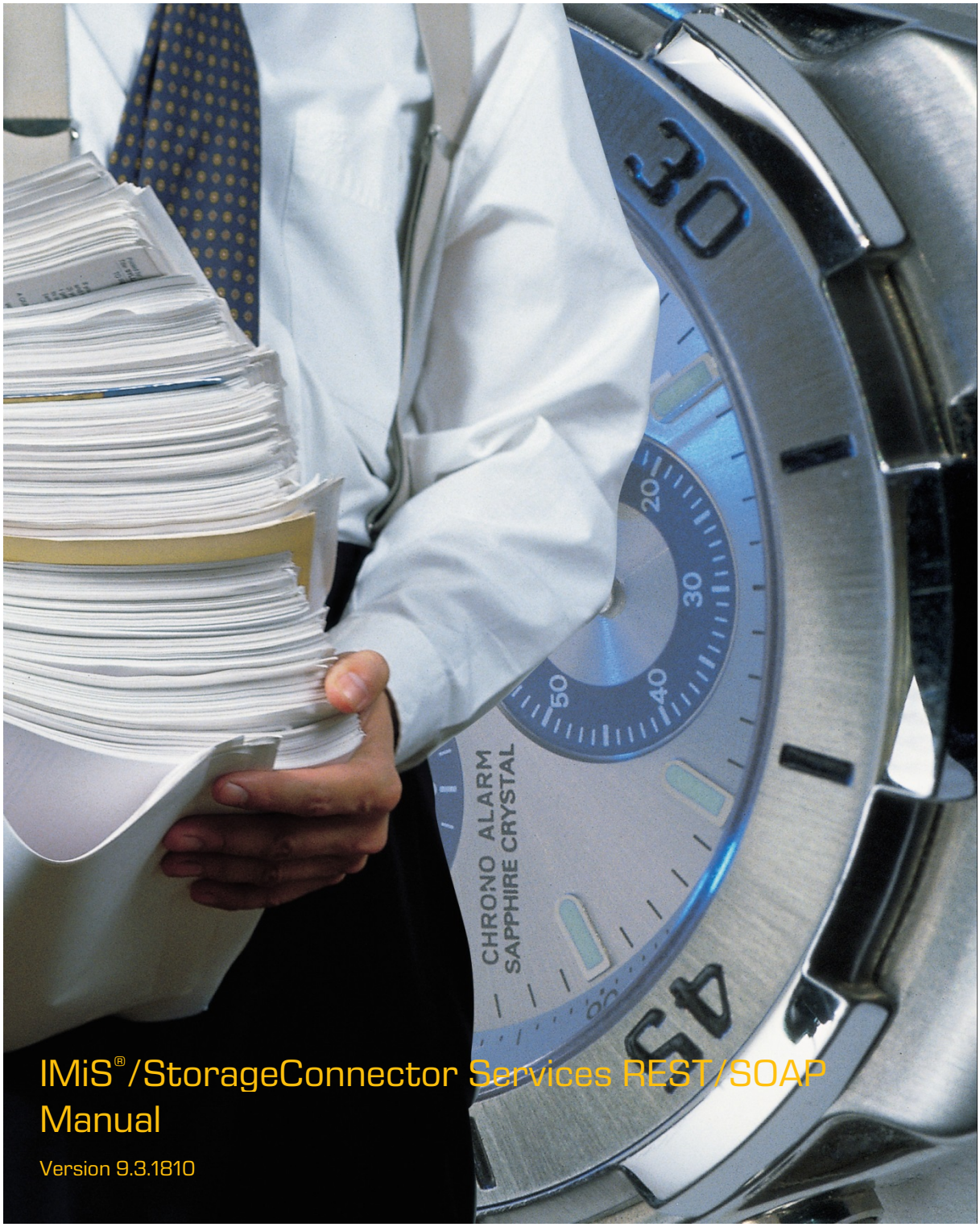

IMiS®/StorageConnector Services REST/SOAP Manual

Version 9.3.1810

IMAGING SYSTEMS
Imaging Systems Inc.
Brnciceva 41 G
Ljubljana
Slovenia

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1 INTRODUCTION

1.1 About this guide

The IMiS®/Storage Connector Services Manual describe the REST and SOAP API operations and provide examples of use.

1.2 Target audience

This IMiS®/Storage Connector Services manual is intended for administrators and application developers with adequate prior knowledge who require information about installing, configuring and administering the IMiS®/Storage Connector Services interface. It is also intended for integrating applications with IMiS®/ARChive Server.

Application developers have at their disposal development documentation with a detailed description of the IMiS®/Storage Connector interface, which is a part of the *Developer Edition* installation package.

2 GENERAL

IMiS®/Storage Connector Services provide a powerful, convenient, and simple Web services API for interacting with digital archive IMiS®/ARChive Server. The advantages include ease of integration and development, and it's an excellent choice of technology for use with mobile and web-based applications.

2.1 Integration with applications

IMiS®/Storage Connector Services is built around the widely-used Java EE software environment. It contains a wealth of data objects with an easy-to-use interface (API).
This makes it possible to quickly design functionally advanced applications for accessing IMiS®/ARChive Server. A binary protocol is used for communication with the archive server, which essentially speeds up communication and ensures high responsiveness and throughput. Users of applications (DMS, ERP, CRM, BPM ...) view the delivered objects in these applications' integrated browsers.

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IMiS®/Storage Connector Services API is a service layer of IMiS®/Storage Connector, available for system integrators to perform create, retrieve, update and delete operations, ensuring seamless integration of their application with external systems, such as digital archive IMiS®/ARChive Server.

The Service API operations and their formats are described in detail bellow. They can be implemented on Apache Tomcat application server as REST, SOAP or CMIS (currently not available) interfaces and accessed via HTTP/HTTPS.

With the SOAP API you can streamline communication between existing applications (e.g. MFERAC) and IMiS®/ARChive Server digital archive through web services.

RESTfull API web services lets you integrate archive server with your application using simple HTTP methods, in JSON format, making this an ideal API for developing mobile applications (e.g. IMiS®/mClient) or external clients (e.g. IMiS®/wClient). While REST API is based on open standards, you can use any web development language to access the API.

IMiS®/Storage Connector Services is open to different APIs as well. It supports the CMIS standard for accessing CMIS-compatible content and metadata in data warehouses (e.g. IMiS®/ARChive Server) from various ECM systems, accessible via CMIS clients.

In order to provide secure service, we also plan to support Kerberos SSO, which prompts the user to login only for initial access to the network. After initial login, the user can access any browser-based service in the network.

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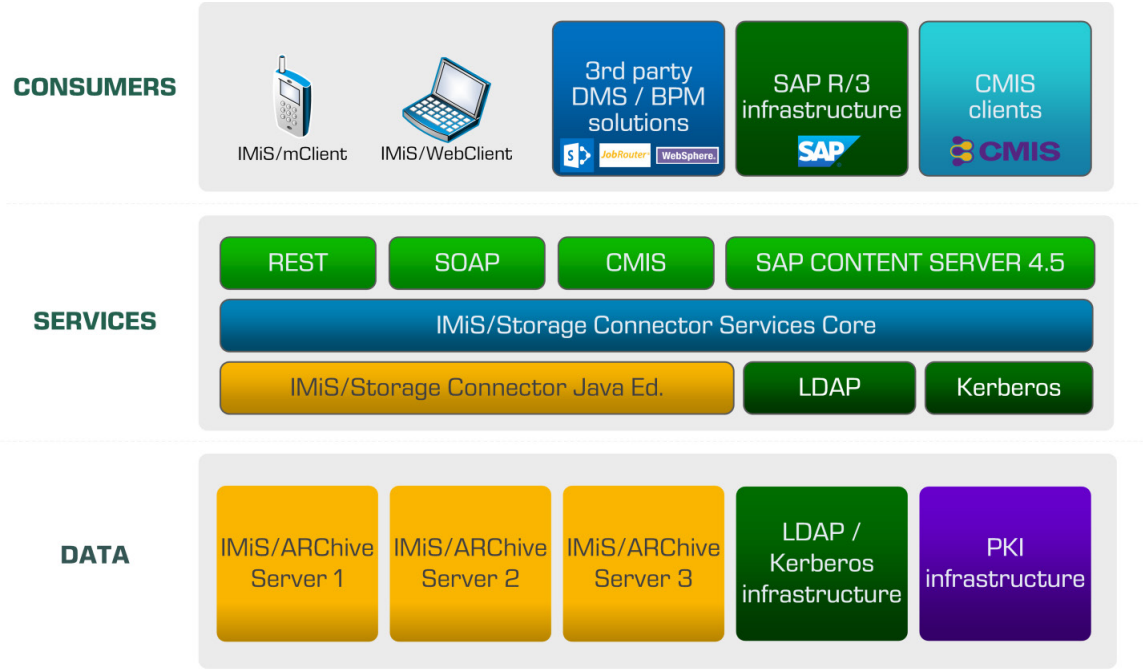

Image 1: IMiS®/Storage Connector Services architecture

2.2 Security

Since HyperText Transfer Protocol (HTTP) is not safe for data exchange, we need to use HyperText Transfer Protocol Secure (HTTPS), which ensures server authentication and protection of exchanged data to IMiS®/Storage Connector REST and SOAP Services.
This setting is available on the Apache Tomcat server.

The security of the IMiS®/ARChive Server access is set by the administrator in the application settings (chapter Archives settings) on the individual archive.
To establish a secure connection with the IMiS®/ARChive server, the administrator sets:

- Trusted issuers of digital certificates, which the framework uses to determine the validity of remote digital certificates.
- A digital certificate with which the IMiS®/Storage Connector Services presents itself to the remote service.

More detailed information on Kerberos authentication you can find in the chapter Kerberos in the IMiS®/ARChive Server Manual.

2.3 Use in SOA architecture

IMiS®/Storage Connector Services ensure that highly loaded application servers are responsive and permeable by using advanced session pulling algorithms for archive systems. The object model ensures all necessary implementation components for applications that require streaming functionalities.

The use of advanced caching algorithms reduces the communication needs between the application and archive server, thus contributing to the greater system permeability.

2.4 Versions

Product version labeling is based on a scheme that includes the following:

- An identifier for the installation package edition (EDITION).
- Four separate numerical identifiers (MAJOR, MINOR, RELEASE, BUILD).

The example of the scheme:

IMiS.StorageConnector.Services.EDITION.MAJOR.MINOR.RELEASE.BUILD.war

The example of installation package names for the REST interface:

IMiS.StorageConnector.Services.REST.9.3.1810.102.war

The scheme consists of the name of the IMiS®/Storage Connector Services product and the following elements:

- EDITION: This identifier represents the product interface version. The possible values are REST and SOAP.
- MAJOR: This identifier represents the major product version or product generation. It rarely changes in terms of changes in the system and features. A change indicates a considerable difference in the product compared to the previously released version. This identifier has a range of values from 1 to n; it is continuous and the values can only increase.

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- MINOR: This identifier indicates a minor version of the product. It changes more frequently than the main version in terms of changes to the system, features and fixes. A change in the minor version represents smaller changes and fixes in the framework of the same product generation (indicated by the main or major version). The range of values is from 1 to n. This number is not continuous. It resets to its base value (1) with each new MAJOR version.
- RELEASE: This identifier represents the time component of the product release in accordance with the YYMM scheme. MM indicates the month of the release (range of values from 01 to 12), and YY indicates the last two digits of the year.

  Example: The RELEASE identifier for a product released in October 2018 will read 1810.

- BUILD: The identifier in this position indicates the unique serial number of the product build; this number never repeats. If smaller changes are made to the product within a single month, this identifier may change. In this case, all other identifiers remain the same. The range of values is from 1 to n. This number is not continuous and can only increase.

3 SYSTEM REQUIREMENTS

For successful installation and execution, the IMiS®/Storage Connector Services have the following hardware and software requirements.

3.1 Hardware

Practically all computers currently available on the market meet the hardware requirements for running IMiS®/Storage Connector Services.
Minimum and recommended requirements are listed below.

3.1.1 Minimum requirements

Minimum requirements for IMiS®/Storage Connector Services:

- 266 MHz Intel Pentium 2 processor*
- 200 MB RAM*
- 150 MB of unused hard disk space *
- Network access using the TCP/IP protocol (IPv4 or IPv6).

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Notes:
** This is a brief summary of the minimum hardware requirements for Java 8 Runtime Environment as listed on Oracle's website:*
https://www.java.com/en/download/help/sysreq.xml

3.1.2 Recommended requirements

Recommended requirements for IMiS®/Storage Connector Services:

- Intel Pentium 1 GHz processor (or faster)
- 2 GB RAM (or more)
- 250 MB of unused hard disk space
- Network access using the TCP/IP protocol (IPv4 or IPv6).

3.2 Software

Requirements for IMiS®/Storage Connector Services:

- Java 8 Runtime Environment version 1.8.0_172,
- Apache Tomcat 9.0.x
- Supported operating systems: *
  - Solaris 11.x, 10 update 9;
  - Windows 10; Windows 8.x; Windows 7 SP1; Windows Vista SP2;
  - Windows server 2012 R2 (64-bit); Windows server 2012 (64-bit); Windows server 2008 R2 SP1 (64-bit);
  - Oracle Linux 7.x (64-bit), 6.x, 5.5+;
  - Red Hat Enterprise Linux 7.x (64-bit), 6.x, 5.5+;
  - Suse Linux Enterprise Linux 12.x (64-bit), 11.x, 10 SP2;
  - Ubuntu Linux 15.10, 15.04, 14.x, 13.x, 12.04 - LTS;
  - OS X 10.9 and above (64-bit), 10.8.3+ (64-bit).

Notes:
** This is a brief summary of the minimum hardware requirements for Java 8 Runtime Environment as listed on Oracle's website:*
http://www.oracle.com/technetwork/java/javase/certconfig-2095354.html

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4 ADMINISTRATION

The IMiS®/Storage Connector Services interface can be administered by administrators and/or application developers. Administration encompasses installation, start up, and shut down, upgrading and removal of the software.

4.1 Installation

Installation can be performed by an administrator in an environment that meets the minimum installation requirements. The minimum requirements can be upgraded if the need to do so is foreseen.

IMiS®/Storage Connector Services is available as a ZIP package containing interface libraries. Installation of the Java package is performed manually and requires the installation of libraries to the appropriate location.
To install the IMiS®/Storage Connector Services, administrator can use the Apache Tomcat server application manager (https://tomcat.apache.org/tomcat-8.0-doc/manager-howto.html).

4.1.1 Installation process

IMiS®/Storage Connector Services installation can be performed by an administrator.

Before the beginning of the installation, administrator must shut down the Apache Tomcat server and complete the following steps:

1. Extract WAR file in the directory located at .../webapps/<project name>/ WEB-INF/config/config.xml in the temporary directory (.../webapps/<project name>/ if accessible from the outside).
2. Add the project to the .../conf/server.xml file.
3. Configure archives .../webapps/<project name>/WEB-INF/config/config.xml.
4. Run the Apache Tomcat server.

4.1.2 Archives settings

To access archive servers from the REST and SOAP interfaces, the settings need to be defined. Archives are defined in the config.xml file.

Service setting location: .../webapps/.../WEB-INF/config/config.xml

Example

```
<services>
  <config>
     <storage
        id="IARC98"
        defaultEntityIdType="ID256"
        host="iarc98.imis.si"
        port="16807"
        name="iarc98.imis.si"
        description="Lorem ipsum dolor sit amet, consectetur"
        idleTimeout="3600000" />
     <storage
        id="IARC98"
        defaultEntityIdType="ID256"
        name="iarc98.imis.si"
        description="Lorem ipsum dolor sit amet, consectetur"
        host="iarc98.imis.si"
        port="16807"
        idleTimeout="3600000" />
  </config>
</services>
```

services / config / storage - Attributes

id	String	Unique identifier of the archive.
name	String	Unique name of the archive.
description	String	A description of the archive (optional).
host	String	The address of the archive server.
port	Integer	Archive server port.
linksIdType	String	Entity identifier type (optional; default value: I). The set of types - C, - I.
defaultEntityIdEncoding	String	Entity identifier encoding (optional). The set of values: - BASE16, - BASE64, - BASE85.
idleTimeout	Integer	Session timeout (in ms). After a certain time the session is deleted (optional, default value is 300.000).
trustStoreFilePath	String	Absolute path to the jks. Sets the trust anchors used for remote certificate verification that can be set in session initialization stage (optional).
trustStorePassword	String	Password of the trustStore (optional).
remoteCertificateFingerprint	String	Fingerprint certificate of the archive server (optional).

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keyStoreFilePath	String	Absolute path to the jks. Sets the local certificate used for establishing an SSL connection in the local certificate selection stage (optional).
keyStorePassword	String	Password of the keyStore (optional).
certificateAlias	String	The alias name in the keyStore (optional).
certificatePassword	String	Password of the localCertificateAlias (optional).
defaultEntityIdType	String	Entity identifier type (optional; default value: ID192). The set of types: - ID192, - ID265.
maxSessionsPerUser	Integer	Maximum number of the sessions per user (optional; default value: 10).
maxStorageSessionsPerUser	Integer	Maximum number of sessions per user from the service to the archive (optional; default value: 10).
entityCollectionPageCount	Integer	he number of he entity collection pages. (optional).
entityCollectionPageSize	Integer	The size of the entity collection page (optional).
defaultObjectRangeSize	Long	Default response size when reading a part of the object (optional, default value: 2 MB).
signingCertificateAlias	String	The alias name in the keyStore which is used for XML signatures when exporting entities (optional).
signingCertificateAliasPassword	String	The alias password which is used for XML signatures when exporting entities (optional).
workDirectory	String	Absolute path to the directory which is used for exporting entities (optional, default value is the temporary directory).
maxIOPayloadSize	Integer	The required maximum size of data used to communicate with the archive (optional).
includeLinksInResponses	Boolean	Specifies whether links are generated in responses; for REST only (optional, default value is true).

4.2 Start up and shut down

IMiS®/Storage Connector Services start through the start of the Apache Tomcat server.

The interface shuts down by the Apache Tomcat server shut down.

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4.3 Upgrading

If an administrator would like to upgrade a past version of the IMiS®/Storage Connector Services interface to a newer version, follow the upgrade process described below or use the Apache Tomcat server application manager (https://tomcat.apache.org/tomcat-8.0-doc/manager-howto.html).

4.3.1 Upgrading process

Before starting upgrading the administrator must shut down the Apache Tomcat server.

When using the project configuration:

1. Make a copy of the current configuration located at .../webapps/<project name>/WEB-INF/config/config.xml in the temporary directory .../webapps/<project name>/ (if accessible from the outside).
2. Remove directory .../webapps/<project name>.
3. Expand .war file in the directory .../webapps/<project name>.
4. Replace .../webapps/<project name>/WEB-INF/config/config.xml with the previous file (see Step 1).
5. Run the server.

When using the path to the configuration file:

1. As administrator save the path to the configuration located at .../webapps/<project name>/WEB-INF/web.xml
2. Delete directory .../webapps/<project name>.
3. Expand .war file in the directory .../webapps/<project name>.
4. In .../webapps/<project name>/WEB-INF/web.xml set the path to the configuration file.
5. Run the server.

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4.4 Removal

Before removal the IMiS®/Storage Connector Services administrator must shut down the Apache Tomcat server and complete the following steps:

1. Remove directory …/webapps/<project name>.
2. Remove project from the …/conf/server.xml file.
3. Run the Apache Tomcat server.

5 OBJECTS

REST and SOAP are methods of accessing web services. REST (Representational State Transfer) is an architectural style or a lighter weight approach to point-to-point communication between computer systems on the internet. It's more flexible and does not require processing.
SOAP (Simple Object Access Protocol) is Web services access protocol based on standards. It relies on XML in order to provide messaging services.

REST provides several advantages over the SOAP:

- Designed for use over the internet. It requires use of HTTP and it's perfect choice for web applications, specially cloud based platforms.
- Faster. It uses small message formats and no extensive processing is required.
- Easier to use. It's flexible and more efficient. Sending and receiving messages are smaller and consume less bandwidth and resources.
- Easier to implement. Learning curve is shorter. Creating clients, developing APIs and documentation is much easier to understand.
- No expensive tools required to interact with web service.
- Provides better performance, scalability and cost over time, while it uses smaller message format than SOAP.
- Requires less bandwidth and resources which makes it a better fit for use over the internet. It uses web caching mechanism.
- Permits many different data formats, like plain text, XML, HTML, JSON, etc.
  SOAP is restricted to XML only.
- Can be written in any programming language and executed on any platform.

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REST is often used in mobile applications, social networking web sites, mashup tools, APIs and automated business processes. It is also chosen as the architecture for services that are exposed to the internet (most cloud providers).

SOAP provides following advantages when compared to the REST:

- Language, platform and transport independent.
- Standardized.
- Highly secure as it defines its own security. In addition to SSL support, SOAP also supports WS-Security, which adds some enterprise security features. It also provides a standard implementation of data integrity and data privacy.
- Provides two-phase commit across distributed transactional environments. Internet applications generally don't need this level of transactional reliability, while enterprise applications sometimes do.
- Build-in error handling. SOAP has retry logic build in and provides reliability. REST does not have standard messaging system. Clients deals with communication failures by retrying.

SOAP is commonly used in payment gateways, financial and telecommunication services, where security is major concern and resources are not limited.

5.1 REST interface

RESTfull Web services provide access to resources (data entities) via URI paths, using a uniform and predefined set of standard HTTP 1.1 stateless operations: create (POST), retrieve/read (GET), update (PUT) and delete (DELETE).

By using these operations, REST aim for fast performance, reliability, and the ability to grow, by re-using components that can be managed and updated without affecting the systems as a whole, even while it is running. HTTP requests made to resources (data entries) via URI paths, will elicit a response that may be in JSON or some other defined format.

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5.1.1 Operations

All supported REST operations are described below.

GET archives.json
GET archives/{archiveId}.json
GET archives/{archiveId}/account.json
GET archives/{archiveId}/account/avatar
GET archives/{archiveId}/create.json
GET archives/{archiveId}/deleted.json
GET archives/{archiveId}/deleted/{id}.json
GET archives/{archiveId}/deleted/{id}/audit_log.json
GET archives/{archiveId}/deleted/{id}/entities.json
GET archives/{archiveId}/directory.json
GET archives/{archiveId}/directory/{id}.json
GET archives/{archiveId}/directory/{id}/avatar
GET archives/{archiveId}/directory/{id}/members.json
GET archives/{archiveId}/disposition_holds.json
GET archives/{archiveId}/disposition_holds/{id}.json
GET archives/{archiveId}/disposition_holds/{id}/audit_log.json
GET archives/{archiveId}/disposed.json
GET archives/{archiveId}/disposed/{id}.json
GET archives/{archiveId}/disposed/{id}/audit_log.json
GET archives/{archiveId}/disposed/{id}/entities.json
GET archives/{archiveId}/drafts.json
GET archives/{archiveId}/entities.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/acl.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit_log.csv
GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit_log.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit_log.xml
GET archives/{archiveId}/entities/{entityIdKind}:{id}/close.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/create.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/edit.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/entities.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/nonrepudiation.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/nonrepudiation.zip
GET archives/{archiveId}/entities/{entityIdKind}:{id}/object
GET archives/{archiveId}/entities/{entityIdKind}:{id}/object/stream
GET archives/{archiveId}/entities/{entityIdKind}:{id}/object.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectsId}
GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectsId}/stream
GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{id}/objects.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/open.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/references.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/references/{referenceId}.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/save_log.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/search.json
GET archives/{archiveId}/entities/{entityIdKind}:{id}/stub.json

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GET archives/{archiveId}/entities/{entityIdKind}:{id}/versions.json
GET archives/{archiveId}/log/export.json
GET archives/{archiveId}/log/import.json
GET archives/{archiveId}/retention_policies.json
GET archives/{archiveId}/retention_policies/{id}.json
GET archives/{archiveId}/retention_policies/{id}/audit_log.json
GET archives/{archiveId}/retention_policies/{id}/objects.json
GET archives/{archiveId}/retention_policies/{id}/objects/{objectId}
GET archives/{archiveId}/retention_policies/{id}/objects/{objectId}.json
GET archives/{archiveId}/reviews.json
GET archives/{archiveId}/reviews/{id}.json
GET archives/{archiveId}/reviews/{id}/acl.json
GET archives/{archiveId}/reviews/{id}/audit_log.csv
GET archives/{archiveId}/reviews/{id}/audit_log.json
GET archives/{archiveId}/reviews/{id}/audit_log.xml
GET archives/{archiveId}/reviews/{id}/handle/close.json
GET archives/{archiveId}/reviews/{id}/handle/edit.json
GET archives/{archiveId}/reviews/{id}/handle/open.json
GET archives/{archiveId}/reviews/{id}/items/{itemId}.json
GET archives/{archiveId}/reviews/{id}/nonrepudiation.zip
GET archives/{archiveId}/reviews/{id}/stub.json
GET archives/{archiveId}/reviews/{id}/template.json
GET archives/{archiveId}/search.json
GET archives/{archiveId}/templates.json
GET archives/{archiveId}/templates/{id}.json

POST archives/{archiveId}.json
POST archives/{archiveId}/account/avatar
POST archives/{archiveId}/drafts/{id}/discard.json
POST archives/{archiveId}/drafts/{id}/check_in.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/acl.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/check_out.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/export.zip
POST archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{id}/detach.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{id}/manage.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/objects
POST archives/{archiveId}/entities/{entityIdKind}:{id}/references.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies.json
POST archives/{archiveId}/entities/{entityIdKind}:{id}/retention/disposition_holds.json
POST archives/{archiveId}/reviews.json
POST archives/{archiveId}/reviews/{id}/create.json
POST archives/{archiveId}/reviews/{id}/acl.json
POST archives/{archiveId}/reviews/{id}/confirm_transfer
POST archives/{archiveId}/reviews/{id}/transfer.zip
POST archives/{archiveId}/session/close.json
POST archives/{archiveId}/session/open.json

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PUT archives/{archiveId}/account.json
PUT archives/{archiveId}/account/password.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{entryId}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{propertyName}/{entryId}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/move.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/move/{entityIdKind}:{id}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/object
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{id}
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/move/{parentIdKind}:{parentId}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/copy/{parentIdKind}:{parentId}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/references/{referenceId}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies/{idRetentionPolicy}.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/status.json
PUT archives/{archiveId}/entities/{entityIdKind}:{id}/security_class.json
PUT archives/{archiveId}/reviews/{id}.json
PUT archives/{archiveId}/reviews/{id}/acl/{entryId}.json
PUT archives/{archiveId}/reviews/{id}/acl/{propertyName}/{entryId}.json
PUT archives/{archiveId}/reviews/{id}/items/{itemId}/entity/{entityId}.json

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{entryId}.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{propertyName}/{entryId}.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/object.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{id}.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/retention/disposition_holds/{idDispositionHold}.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies/{idRetentionPolicy}.json
DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/references/{referenceId}.json
DELETE archives/{archiveId}/reviews/{id}/acl/{entryId}.json
DELETE archives/{archiveId}/reviews/{id}/acl/{propertyName}/{entryId}.json

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5.1.2 Types

All supported REST objects in JSON format are described below.

5.1.2.1 Account

Object provides information on user profile.

Definition

```
{
   "deleted" : false,
   "description" : "String",
   "description_editable" : true,
   "email" : "String",
   "email_editable" : true,
   "enabled" : true,
   "first_name" : "String",
   "first_name_editable" : true,
   "icon_editable" : true,
   "icon_url" : "String",
   "id" : "String",
   "last_name" : "String",
   "last_name_editable" : true,
   "security_class_level" : "String",
   "type" : "String - GROUP/USER"
}
```

Fields

deleted	Boolean	Specifies whether the user profile is deleted.
description	String	A description of the user profile.
description_editable	Boolean	Specifies whether the description is editable.
email	String	Email address of the user profile.
email_editable	Boolean	Specifies whether the email is editable.
enabled	Boolean	Specifies whether the user profile is enabled.
first_name	String	First name of the user profile.
first_name_editable	Boolean	Specifies whether the first name is editable.
icon_editable	Boolean	Specifies whether the icon is editable.
icon_url	String	Link to the icon (optional).
id	String	Unique identifier of the user profile.
last_name	String	Last name of the user profile.
last_name_editable	Boolean	Specifies whether the last name is editable.
security_class_level	String	The security class level of the directory entity.
type	String	User profile type. The set of values: - GROUP: directory entity is a group. - USER: directory entity is a user.

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5.1.2.2 AccountResponse

Object provides information on user profile.

Definition

```
{
  "directory_entity" : {
     "deleted" : false,
     "description" : "String",
     "description_editable" : true,
     "email" : "String",
     "email_editable" : true,
     "enabled" : true,
     "first_name" : "String",
     "first_name_editable" : true,
     "icon_editable" : true,
     "icon_url" : "String",
     "id" : "String",
     "last_name" : "String",
     "last_name_editable" : true,
     "security_class_level" : "String",
     "type" : "String - GROUP/USER"
  }
}
```

Fields

directory_entity	Account	Object provides information on user profile.

5.1.2.3 AccountUpdateRequest

Object provides request on the user profile update information.

Definition

```
{
  "description" : "String",
  "email" : "String",
  "first_name" : "String",
  "last_name" : "String"
}
```

Fields

description	String	A description of the user profile (optional).
email	String	Email address of the user profile (optional).
first_name	String	First name of the user profile (optional).
last_name	String	Last name of the user profile (optional).

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5.1.2.4 Archive

Object provides information on archive server.

Definition

```
{
  "id" : "String",
  "name" : "String",
  "description" : "String",
  "host" : "String",
  "uri" : "String - URI"
}
```

Fields

id	String	Unique identifier of the archive server.
name	String	The name of the archive server.
description	String	A description of the archive server.
host	String	The address of the archive server.
uri	String	Unique identifier of the link to the archive server.

5.1.2.5 ArchiveAdministrationAccess

Object provides information on the access to the administration folders.

Definition

```
{
  "deleted_entities" : true,
  "deleted_queue" : true,
  "disposed_entities" : true,
  "export_logs" : true,
  "import_logs" : true,
  "reviews" : true
}
```

Fields

deleted_entities	Boolean	Specifies whether the access to deleted entities is enabled.
deleted_queue	Boolean	Specifies whether the access to entities in the queue for deletion is enabled.
disposed_entities	Boolean	Specifies whether the access to disposed entities is enabled.
export_logs	Boolean	Specifies whether the access to export logs is enabled.
import_logs	Boolean	Specifies whether the access to import logs is enabled.
reviews	Boolean	Specifies whether the access to reviews is enabled.

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5.1.2.6 ArchiveCapabilities

Object provides information on the user roles.

Definition

```
{
  "audit_query" : true,
  "content_management" : true,
  "draft_management" : true,
  "import_export" : true,
  "reports" : true
}
```

Fields

audit_query	Boolean	Allows access to the audit log.
content_management	Boolean	Enables content management.
draft_management	Boolean	Enables draft management.
import_export	Boolean	Enables import and export of the entities.
reports	Boolean	The role allows: - Display system reports on export and import. - Display system reports on user access, folders, documents, content and retention policies. - Print information on classes, folders and documents. - Print classes and folders.

5.1.2.7 ArchiveFeatures

Object provides information on the archive functionalities.

Definition

```
{
  "content_convert" : true,
  "content_detach" : true,
  "content_index" : true,
  "content_move" : true
}
```

Fields

content_convert	Boolean	Enables conversion of the entity content object.
content_detach	Boolean	Enables detachment of the entity content object.
content_index	Boolean	Enables indexing of the entity content object.
content_move	Boolean	Enables moving content object to another entity.

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5.1.2.8 ArchiveResponse

Object provides information on archive.

Definition

```
{
  "archive": {
     "capabilities": {
        "audit_query": true,
        "content_management": true,
        "import_export": true,
        "reports": true
     },
     "description": "String",
     "effective_rights": { // Optional
        "read_access": true,
        "write_access": true,
        "move_access": true,
        "delete_access": true,
        "change_rights": true,
        "create_sub_entities": true,
        "change_security_class": true,
        "change_status": true,
        "change_retention": true
     },
     "features": {
        "content_convert": true,
        "content_detach": true,
        "content_index": true,
        "content_move": true
     },
     "host": "String",
     "links": [{
           "type": "disposition_holds",
           "uri": "String - URI"
        }, {
           "type": "directory",
           "uri": "String - URI"
        }, {
           "type": "entities",
           "uri": "String - URI"
        }, {
           "type": "retention_policies",
           "uri": "String - URI"
        }, {
           "type": "search",
           "uri": "String - URI"
        }, {
           "type": "templates",
           "uri": "String - URI"
        }
     ],
     "name": "String",
     "secure": true
  }
}
```

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Fields

administration_access	ArchiveAdministrationAccess	Object provides information on the access to the administration system folders.
capabilities	ArchiveCapabilities	Object provides information on user roles.
description	String	A description of the archive server.
effective_rights	EntityRights	Rights of current user on the archive.
features	ArchiveFeatures	Object provides information on archive's functionalities.
host	String	The address of the archive server.
links	Link []	Links to the objects on archive server. The set of links: - "disposition_holds": Link to the disposition hold. - "directory": Link to the directory entities. - "entities": Link to the archive root entities. - "retention_policies": Link to the retention policies. - "search": Link to the entities search on the archive server root. - "templates": Link to the templates.
name	String	The name of the archive server.
secure	Boolean	Specifies whether the iarcs secure protocol is used between the interface and archive server.
service_name	String	The name of the archive service.
service_version	Long	The version of the archive service. The set of values: Value: Version 590: 9 670: 9.7 685: 9.8 690: 9.9

5.1.2.9 ArchivesResponse

Object provides information on archives.

Definition

```
{
  "archives": [{
     "id" : "String",
     "name" : "String",
     "description" : "String",
     "host" : "String",
     "uri" : "String - URI"
     }, {
     "id" : "String",
     "name" : "String",
     "description" : "String",
     "host" : "String",
     "uri" : "String - URI"
     }
  ]
}
```

Fields

archives	Archive []	A collection of the archive servers.

5.1.2.10 AuditLog

Object provides information on audit log events.

Definition

```
{
  "events" :  [{
     "time" : "String - DateTime",
     "pubic_address" : "String",
     "local_address" : "String",
     "computer_name" : "String",
     "type" : "String -
INVALID/ENTITY_CREATE/ENTITY_OPEN_READ_ONLY/ENTITY_OPEN_READ_WRITE/ENTITY_SAVE/ENTITY_MOVE/ENT
ITY_DELETE/AUDIT_LOG_QUERY/CONFIGURATION_CHANGE/PROPERTY_VALUE_CHANGE/ACL_ENTRY_CHANGE/PHYSICA
L_ENTITY_CHANGE/SECURITY_CLASS_CHANGE/STATUS_CHANGE/RETENTION_CHANGE/CONTENT_PART_OPEN_READ_ON
LY/CONTENT_PART_OPEN_READ_WRITE/CONTENT_PART_CREATE/CONTENT_PART_DELETE/CONTENT_PART_SAVE/CONT
ENT_PART_METADATA_CHANGE/ENTITY_DISPOSED/ENTITY_PERMANENT/ENTITY_TRANSFERRED/ENTITY_REVIEWED",
     "details" : "String",
     "user" : {
        "id" : "String",
        "uri" : "String"
     }
  }]
}
```

Fields

events	AuditLogEvent []	Audit log events.

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5.1.2.11 AuditLogCSV

Object provides information on audit log events in CSV format.

Definition

```
Time;User;Address;Computer;InternalAddress;EventType;EventDetails;Delegate
2018-10-29T16:07:57Z;admin;192.168.50.15;apps.imis.eu;192.168.80.64;ENTITY_OPEN_READ_ONLY;;
2018-10-24T08:11:41Z;admin;192.168.50.15;apps.imis.eu;192.168.80.67;ENTITY_SAVE;;
```

Fields

Time	String	Date and time of the event.
User	String	User who carried out the event.
Address	String	External IP address.
Computer	String	The name of the device.
InternalAddress	String	Internal IP address.
EventType	String	The type of the event.
EventDetails	String	Event description.
Delegate	String	Delegate.

5.1.2.12 AuditLogEvent

Object provides information on the audit log event.

Definition

```
{
  "computer_name" : "String",
  "delegate" : {
     "email" : "String",
     "first_name" : "String",
     "icon_url" : "String",
     "id" : "String",
     "last_name" : "String",
     "uri" : "String",
     "type" : "String"
  },
  "details" : "String",
  "local_address" : "String",
  "pubic_address" : "String",
  "time" : "String - DateTime",
  "type" : "String",
  "user" : {
     "email" : "String",
     "first_name" : "String",
     "icon_url" : "String",
     "id" : "String",
     "last_name" : "String",
     "uri" : "String",
     "type" : "String"
  }
}
```

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Fields

computer_name	String	The name of the device.
delegate	DirectoryEntityLink	Delegate (optional).
details	String	A detailed description of the event (optional).
local_address	String	Internal IP address.
public_address	String	External IP address.
time	String - DateTime	Date and time of the event.
type	String	Event type. The set of events: - "INVALID", - "ENTITY_CREATE", - "ENTITY_OPEN_READ_ONLY", - "ENTITY_OPEN_READ_WRITE", - "ENTITY_SAVE", - "ENTITY_MOVE", - "ENTITY_DELETE", - "AUDIT_LOG_QUERY", - "CONFIGURATION_CHANGE", - "PROPERTY_VALUE_CHANGE", - "ACL_ENTRY_CHANGE", - "PHYSICAL_ENTITY_CHANGE", - "SECURITY_CLASS_CHANGE", - "STATUS_CHANGE", - "RETENTION_CHANGE", - "CONTENT_PART_OPEN_READ_ONLY", - "CONTENT_PART_OPEN_READ_WRITE", - "CONTENT_PART_CREATE", - "CONTENT_PART_DELETE", - "CONTENT_PART_SAVE", - “CONTENT_PART_MOVE”, - "CONTENT_PART_METADATA_CHANGE", - "ENTITY_DISPOSED", - "ENTITY_PERMANENT", - "ENTITY_TRANSFERRED", - "ENTITY_REVIEWED", - "ENTITY_CHECK_OUT", - "ENTITY_CHECK_IN", - "ENTITY_DISCARD".
user	DirectoryEntityLink	User who carried out the event.

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5.1.2.13 Authentication

Object provides information on user authentication.

Definition

```
{
  "username" : "String",
  "password" : "String",
  "ldap_password" : "String",
  "kerberos5_service_ticket" : "String - Base64"
}
```

Fields

username	String	The name of the user.
password	String	The user password (optional).
ldap_password	String	LDAP password (optional).
kerberos5_service_ticket	String - Base64	Kerberos5 service ticket (optional).

5.1.2.14 Category

Object provides information on category.

Definition

```
{
  "name" : "String",
  "size" : 1
}
```

Fields

name	String	The name of the category.
size	Integer	The category size.

5.1.2.15 DeletionStub

Object provides information on deleted entity.

Definition

```
{
  "agent" : {
     "email" : "String",
     "first_name" : "String",
     "icon_url" : "String",
     "id" : "String",
     "last_name" : "String",
     "uri" : "String",
  },
  "classification_code" : "String",
  "container" : false,
  "child_count" : 0,
  "deleted " : "String",
  "description" : "String",
  "id" : "String",
  "public_classification_code" : "String",
  "reason" : "String",
  "reference" : "String",
  "title" : "String"
}
```

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Fields

agent	DirectoryEntityLink	Directory entity that deleted an entity.
classification_code	String	The canonical form of the full classification code.
container	Boolean	Specifies whether an entity can contain child entities.
child_count	Integer	The number of child entities.
deleted	String	Specifies whether the directory entity is deleted.
description	String	A description of the deleted entity.
id	String	Unique identifier of the deleted entity.
public_classification_code	String	Entity classification code in the classification scheme.
reason	String	The reason for entity deletion.
reference	String	The reference to an entity (internal, external) which is relevant for deleted entity.
title	String	The title of the entity.

5.1.2.16 DeletionStubResponse

Object provides information on deleted entity.

Definition

```
{
  "deletion_stub" : {
     "agent" : {
        "email" : "String",
        "first_name" : "String",
        "icon_url" : "String",
        "id" : "String",
        "last_name" : "String",
        "uri" : "String",
     },
     "classification_code" : "String",
     "container" : false,
     "child_count" : 0,
     "deleted " : "String",
     "description" : "String",
     "id" : "String",
     "public_classification_code" : "String",
     "reason" : "String",
     "title" : "String"
  }
}
```

Fields

deletion_stub	DeletionStub	Object provides information on the deleted entity.

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5.1.2.17 DeletionStubsResponse

Object provides information on deleted entities.

Definition

```
{
  "entities" : [...],
  "page_size" : 1,
  "page_start" : 0,
  "size" : 1
}
```

Fields

entities	DeletionStub []	A collection of the deleted entities.
page_size	Integer	The size of the page.
page_start	Integer	The page index in the collection of the deleted entities.
size	Integer	The size of the collection.

5.1.2.18 DirectoryEntity

Object provides information on directory entity.

Definition

```
{
  "id" : "String",
  "first_name" : "String",
  "last_name" : "String",
  "email" : "String",
  "description" : "String",
  "security_class" : "String",
  "type" : "String - GROUP/USER",
  "deleted" : true,
  "enabled" : true,
  "members" : { // Optional
     "id" : "String",
     "uri" : "String - URI"
  }
}
```

Fields

id	String	Unique identifier of the directory entity.
first_name	String	First name of the directory entity.
last_name	String	Last name of the directory entity.
email	String	Email address of the directory entity.
description	String	A description of the directory entity.
security_class	String	The security class of the directory entity.
type	String	Directory entity type. The set of values: - GROUP: Directory entity is a group. - USER: Directory entity is a user.

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deleted	Boolean	Specifies whether the directory entity is deleted.
enabled	Boolean	Specifies whether the directory entity is enabled.
members	ObjectLink	Link to the members of the directory entity group (optional).

5.1.2.19 DirectoryEntityLink

Object provides link to the directory entity.

Definition

```
{
  "email" : "String",
  "first_name" : "String",
  "id" : "String",
  "icon_url" : "String",
  "last_name" : "String",
  "type" : "String - GROUP/USER",
  "uri" : "String - URI"
}
```

Fields

email	String	Email address of the directory entity.
first_name	String	First name of the directory entity.
id	String	Unique identifier of the directory entity.
icon_url	String	Link to the user icon (optional).
last_name	String	Last name of the directory entity.
type	String	Directory entity type. The set of values: - GROUP: Directory entity is a group. - USER: Directory entity is a user.
uri	String	Link to the directory entity (optional).

5.1.2.20 DirectoryEntitiesResponse

Object provides information on directoy entities.

Definition

```
{
  "directory_entities" : [{
     "id" : "String",
     "first_name" : "String",
     "last_name" : "String",
     "email" : "String",
     "description" : "String",
     "security_class" : "String",
     "type" : "String - GROUP/USER",
     "deleted" : true,
     "enabled" : true,
     "members" : { // Optional
        "id" : "String",
        "uri" : "String - URI"
     }
  }]
}
```

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Fields

directory_entities	DirectoryEntity []	Directory entities.

5.1.2.21 DirectoryEntityResponse

Object provides information on directory entity.

Definition

```
{
  "directory_entity" : {
     "id" : "String",
     "first_name" : "String",
     "last_name" : "String",
     "email" : "String",
     "description" : "String",
     "security_class" : "String",
     "type" : "String - GROUP/USER",
     "deleted" : true,
     "enabled" : true,
     "members" : { // Optional
        "id" : "String",
        "uri" : "String - URI"
     }
}
```

Fields

directory_entity	DirectoryEntity	Directory entity.

5.1.2.22 DispositionHold

Object provides information on entity disposition hold.

Definition

```
{
  "accessed" : "String - DateTime",
  "created" : "String - DateTime",
  "modified" : "String - DateTime",
  "description" : "String",
  "id" : "String",
  "name" : "String",
  "reason" : "String",
  "creator" : {
     "id" : "String",
     "uri" : "String - URI"
  }
}
```

Fields

accessed	String - DateTime	Date and time of the disposition hold access.
created	String - DateTime	Date and time of the disposition hold creation.
modified	String - DateTime	Date and time of the disposition hold change.
description	String	A description of the disposition holds.
id	String	Unique identifier of the disposition holds.

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name	String	The name of the disposition holds.
reason	String	The reason for disposition holds creation.
creator	ObjectLink	The author of the disposition holds.

5.1.2.23 DispositionHoldResponse

Object provides information on entity disposition hold.

Definition

```
{
  "disposition_hold" : {
     "accessed" : "String - DateTime",
     "created" : "String - DateTime",
     "modified" : "String - DateTime",
     "description" : "String",
     "id" : "String",
     "name" : "String",
     "reason" : "String",
     "creator" : {
        "id" : "String",
        "uri" : "String - URI"
     }
  }
}
```

Fields

disposition_hold	DispositionHold	Entity disposition hold.

5.1.2.24 DispositionHoldsResponse

Object provides information on entity disposition holds.

Definition

```
{
  "disposition_holds" : [{
     "accessed" : "String - DateTime",
     "created" : "String - DateTime",
     "modified" : "String - DateTime",
     "description" : "String",
     "id" : "String",
     "name" : "String",
     "reason" : "String",
     "creator" : {
        "id" : "String",
        "uri" : "String - URI"
     }
  }]
}
```

Fields

disposition_holds	DispositionHold []	Entity disposition holds.

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5.1.2.25 EmailProperties

Object provides information on email properties.

Definition

```
{
  "subject" : "String",
  "from" : "String",
  "to" : [
     "String"
  ],
  "cc" : [
     "String"
  ],
  "bcc" : [
     "String"
  ],
  "date" : "String - DateTime",
  "message_id" : "String",
  "priority" : "String",
  "signed" : true
}
```

Fields

subject	String	Email subject.
from	String	Email address of the sender.
to	String []	Email addresses of the recipients.
cc	String []	Email addresses of the carbon copy recipients.
bcc	String []	Email addresses of the hidden recipients.
date	String - DateTime	Date and time email were sent or received.
message_id	String	Automatically generated message identifier.
priority	String	The priority status of the email.
signed	Boolean	A value that registers if the email message was electronically signed.

5.1.2.26 EntitiesResponse

Object provides public information on entities.

Definition

```
{
  "categories" : [],
  "entities" : [{
     "classification_code" : "String",
     "public_classification_code" : "String",
     "id" : "String",
     "links" : [{
        "type" : "entity",
           "uri" : "String - URI"
        }, {
        "type" : "entity:stub",
           "uri" : "String - URI"
     }],
     "title" : "String",
     "type" : "String - CLASS/FOLDER/DOCUMENT",
  "page_size" : 1,
  "page_start" : 0,
```

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```
  "size" : 1
}
```

Fields

categories	Category []	Categories of the entity
entities	EntityStub []	Entities. Fields *id, title, description, classification_code, public_classification_code* and *type* are always present.
page_size	Integer	The size of the page.
page_start	Integer	The beginning of the page.
size	Integer	The size of the category collection.

5.1.2.27 Entity

Object provides entity information.

Definition

```
{
  "links" : [{
     "type" : "entity:acl",
     "uri" : "String - URI"
     }, {
     "type" : "entity:audit_log",
     "uri" : "String - URI"
     }, {
     "type" : "nonrepudiation",
     "uri" : "String - URI"
     }, {
     "type" : "objects",
     "uri" : "String - URI"
     }, {
     "type" : "search",
     "uri" : "String - URI"
     }, {
     "type" : "parent",
     "uri" : "String - URI"
     }, {
     "type" : "entity:stub",
     "uri" : "String - URI"
     }, {
     "type" : "entity#edit",
     "uri" : "String - URI"
     }, {
     "type" : "entity#delete",
     "uri" : "String - URI"
     }, {
     "type" : "entity:status#edit",
     "uri" : "String - URI"
     }, {
     "type" : "entity:security_class#edit",
     "uri" : "String - URI"
     }, {
     "type" : "entity#move",
     "uri" : "String - URI"
     }
  ],
  "classification_code" : "String",
  "public_classification_code" : "String",
  "id" : "String",
  "type" : "String - CLASS/FOLDER/DOCUMENT",
  "created" : "String - DateTime",
  "accessed" : "String - DateTime",
  "modified" : "String - DateTime",
```

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```
"closed" : "String - DateTime",
"opened" : "String - DateTime",
"creator" : {
   "id" : "String",
   "uri" : "String - URI"
},
"owner" : {
   "id" : "String",
   "uri" : "String - URI"
},
"description" : "",
"external_ids" : [
   "String"
],
"keywords" : [
   "String"
],
"security_class" : {
   "inherited" : true,
   "value" : "String"
},
"significance" : {
   "inherited" : true,
   "value" : "String"
},
"status" : {
   "inherited" : true,
   "value" : "String"
},
"title" : "String",
"template" : {
   "id" : "String",
   "uri" : "String - URI"
},
"sub_entities_templates" : [{
      "id" : "String",
      "uri" : "String - URI"
   }
],
"permanent" : true,
"child_count" : 0,
"effective_rights" : {
   "read_access" : true,
   "write_access" : true,
   "move_access" : true,
   "delete_access" : true,
   "change_rights" : true,
   "create_sub_entities : true",
   "change_security_class" : true,
   "change_status" : true
   "change_retention" : true
},
"properties" : [{
   "name" : "String",
   "description" : "String",
   "type" : "String - T",
   "options" : {
      "append_only" : false,
      "included_in_aip" : false,
      "inherited" : false,
      "multi_value" : false,
      "non_empty" : false,
      "pick_list" : false,
      "public" : false,
      "read_only" : false,
      "required" : false,
      "searchable" : false,
      "unique" : false
   },
   "values" : [
      T
```

```
      ],
      "effective_rights" : {
         "create_access" : true,
         "delete_access" : true,
         "read_access" : true,
         "write_access" : true,
         "valid_from" : "String - DateTime",
         "valid_to" : "String - DateTime"
      }
   }
   ],
   "retention" : {
      "policies" : [{
         "id" : "String",
         "uri" : "String - URI",
         "name" : "String",
         "description" : "String",
         "explicit_context" : {
            "scope" : "String - ALLOW/DENY",
            "filter" : {
               "classes" : true,
               "folders" : true,
               "documents" : true
            },
            "effective" : true
            },
         "inherited_context" : [{
            "scope" : "String - ALLOW/DENY",
            "filter" : {
               "classes" : true,
               "folders" : true,
               "documents" : true
            },
            "effective" : true
            }
            ],
            "links" : [{
               "type" : "retention_policy#edit",
               "uri" : "String - URI",
               }, {
               "type" : "retention_policy#delete",
               "uri" : "String - URI",
            }
            ]
         }
      ],
      "disposition_holds" : [{
         "id" : "String",
         "uri" : "String - URI",
         "name" : "String",
            "description" : "String",
            "links" : [{
               "type" : "disposition_hold#delete",
               "uri" : "String - URI",
            }
         ]
      }
      ]
   },
   "child_classification_code_generated" : true,
      "email_properties" : {
      "subject" : "String",
      "from" : "String",
      "to" : [
         "String"
      ],
      "cc" : [
         "String"
      ],
      "bcc" : [
         "String"
```

```
      ],
      "date" : "String - DateTime",
      "message_id" : "String",
      "priority" : "String",
      "signed" : true
   },
   "physical_properties" : {
      "current_location" : "String",
      "custodian" : "String",
      "description" : "String",
      "home_location" : "String",
      "id" : "String",
      "return_due" : "String - Date",
      "status" : "String",
      "status_change" : "String - DateTime"
   }
}
```

Fields

links	Link []	Links to the entity. The set of links: - "entity:acl": Link to the entity access rights. - "entity:audit_log": Link to the entity audit log. - "nonrepudiation": Link to the entity authenticity and integrity proofs. - "objects": Link to the entity objects. - "search": Link to the entity search. - "parent": Link to the parent entity. - "entity:stub": Link to the entity information. - "entity#edit": Link to the entity edit action. - "entity#delete": Link to the entity delete action. - "entity:status#edit": Link to the entity status edit action. - "entity:security_class#edit": Link to the entity security class edit action. - "entity#move": Link to the entity move action.
classification_code	String	The canonical form of the full classification code.
public_classification_code	String	Entity classification code in the classification scheme.
id	String	Unique identifier of the entity.
type	String	Entity type. The set of types: - CLASS, - FOLDER, - DOCUMENT.
created	String - DateTime	Date and time of the entity creation.

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accessed	String - DateTime	Date and time of the entity access.
modified	String - DateTime	Date and time of the entity change.
modified_by	DirectoryEntityLink	The user who last modified the entity.
closed	String - DateTime	Date and time of the entity status change to Closed.
opened	String - DateTime	Date and time of the entity status change to Opened.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.
has_references	Boolean	Specifies whether an entity has references.
version	Integer	Identifier of the entity version.
version_label	String	The label of the Entity version.
check_in_comment	String	The comment of the version.
draft	Boolean	Specifies whether the entity is draft.
draft_creator	DirectoryEntityLink	User who created draft.
has_versions	Boolean	Specifies whether an entity has versions.
has_draft	Boolean	Specifies whether an entity has draft.
draft_id	String	The identifier of draft.
creator	ObjectLink	The author of the entity.
content_options	EntityContentOption []	The properties of the content.
owner	ObjectLink	The owner of the entity.
description	String	A description of the entity.
external_ids	String	External identifier of the entity (unique value).
keywords	String	Keywords of the entity.
categories	String []	Categories of the entity.
security_class	InheritedStringProperty	The security class of the entity.
significance	InheritedStringProperty	The significance of the entity.
status	InheritedStringProperty	The status of the entity.
title	String	The title of the entity.
template	ObjectLink	The type of the template.
sub_entities_templates	ObjectLink []	Templates for sub-entities creation.
permanent	Boolean	The permanent entity.
child_count	Int	The number of child entities.

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effective_rights	EntityRights	Effective rights of current user on the entity.
properties	EntityProperty []	Entity properties.
retention	EntityRetention	Retention policies and disposition holds.
child_classification_ code_generated	Boolean	Child classification code generation. Valid for entities type CLASS only.
email_properties	EmailProperties	Email properties.
physical_properties	PhysicalProperties	Physical content properties.

5.1.2.28 EntityACL

Object provides information on explicit and inherited access rights of the entity and its properties.

Definition

```
{
  "entries" : [{
     "id" : "String",
     "type" : "String",
     "links" : [{
        "type" : "entity:acl:entry#edit",
        "uri" : "String - URI"
        }, {
        "type" : "entity:acl:entry#delete",
        "uri" : "String - URI"
     }
     ],
     "directory_entity" : {
        "email" : "String",
        "first_name" : "String",
        "id" : "String",
        "icon_url" : "String",
        "last_name" : "String",
        "uri" : "String - URI",
        "type" : "String"
     },
     "effective_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true,
     },
     "explicit_allow_rights" : { // Optional
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true,
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime" // Optional
```

```
      },
      "explicit_deny_rights" : { // Optional
         "read_access" : true,
         "write_access" : true,
         "move_access" : true,
         "delete_access" : true,
         "change_rights" : true,
         "create_sub_entities" : true,
         "create_references" : true,
         "change_security_class" : true,
         "change_status" : true,
         "change_retention" : true,
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime" // Optional
      },
      "inherited_allow_rights" : { // Optional
         "write_access" : true,
         "move_access" : true,
         "delete_access" : true,
         "change_rights" : true,
         "create_sub_entities" : true,
         "create_references" : true,
         "change_security_class" : true,
         "change_status" : true,
         "change_retention" : true,
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime" // Optional
      },
      "inherited_deny_rights" : { // Optional
         "read_access" : true,
         "write_access" : true,
         "move_access" : true,
         "delete_access" : true,
         "change_rights" : true,
         "create_sub_entities" : true,
         "create_references" : true,
         "change_security_class" : true,
         "change_status" : true,
         "change_retention" : true,
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime" // Optional
      },
   }
   ],
   "property_entries" : [{
      "property_id" : "String",
      "entries" : [{
      "id" : "String",
      "type" : "String",
         "links" : [{
            "type" : "entity:acl:property_entry#edit",
            "uri" : "String - URI"
            }, {
            "type" : "entity:acl:property_entry#delete",
            "uri" : "String - URI"
         }
         ],
         "directory_entity" : {
            "email" : "String",
            "first_name" : "String",
            "id" : "String",
            "icon_url" : "String",
            "last_name" : "String",
            "uri" : "String - URI",
            "type" : "String"
         },
         "effective_rights" : {
            "create_access" : true,
            "delete_access" : true,
            "read_access" : true,
            "write_access" : true
```

```
        },
        "explicit_allow_rights" : { // Optional
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "write_access" : true
           "valid from" : "String - DateTime", // Optional
           "valid to" : "String - DateTime" // Optional
        },
        "explicit_deny_rights" : { // Optional
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "valid from" : "String - DateTime", // Optional
           "valid to" : "String - DateTime" // Optional
        },
        "inherited_allow_rights" : { // Optional
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "write_access" : true
           "valid from" : "String - DateTime", // Optional
           "valid to" : "String - DateTime" // Optional
        },
        "inherited_deny_rights" : { // Optional
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "write_access" : true
           "valid from" : "String - DateTime", // Optional
           "valid to" : "String - DateTime" // Optional
        },
     }
     ]
  ]
  }
}
```

Fields

entries	EntityACLEntry []	The right to access the entity.
property_entries	EntityPropertyACL []	The right to access the entity property.

5.1.2.29 EntityACLCreate

Object creates the explicit access rights of the entity and its properties.

Definition

```
{
     "entries" : [{ // Optional
        "subject" : "String",
        "type" : "String",
        "explicit_allow_rights" : { // Optional
           "valid_from" : "String - DateTime", // Optional
           "valid_to" : "String - DateTime", // Optional
           "read_access" : true, // Optional
           "write_access" : true, // Optional
           "move_access" : true, // Optional
           "delete_access" : true, // Optional
           "change_rights" : true, // Optional
           "create_sub_entities" : true, // Optional
           "create_references" : true, // Optional
           "change_security_class" : true, // Optional
           "change_status" : true, // Optional
           "change_retention" : true // Optional
        },
```

```
        "explicit_deny_rights" : { // Optional
           "valid_from" : "String - DateTime", // Optional
           "valid_to" : "String - DateTime", // Optional
           "read_access" : true, // Optional
           "write_access" : true, // Optional
           "move_access" : true, // Optional
           "delete_access" : true, // Optional
           "change_rights" : true, // Optional
           "create_sub_entities" : true, // Optional
           "create_references" : true, // Optional
           "change_status" : true, // Optional
           "change_retention" : true // Optional
        }
     }
     ]
     "property_entries" : [{ // Optional
        "property_id" : "String",
        "entries" : [{ // Optional
           "subject" : "String",
           "type" : "String",
           "explicit_allow_rights" : { // Optional
              "valid_from" : "String - DateTime", // Optional
              "valid_to" : "String - DateTime", // Optional
              "create_access" : true, // Optional
              "delete_access" : true, // Optional
              "read_access" : true, // Optional
              "write_access" : true // Optional
           },
           "explicit_deny_rights" : { // Optional
              "valid_from" : "String - DateTime", // Optional
              "valid_to" : "String - DateTime", // Optional
              "create_access" : true, // Optional
              "delete_access" : true, // Optional
              "read_access" : true, // Optional
              "write_access" : true // Optional
           }
        }
        ]
     }
     ]
}
```

Fields

entries	EntityACLEntryCreate []	The right to create the entity.
property_entries	EntityPropertyACLCreate []	The right to create the entity property.

5.1.2.30 EntityACLEntry

Object provides information on explicit and inherited access rights of the entity.

Definition

```
  {
     "id" : "String",
     "type" : "String",
     "links" : [{
        "type" : "entity:acl:entry#edit",
        "uri" : "String - URI"
        }, {
        "type" : "entity:acl:entry#delete",
        "uri" : "String - URI"
     }
     ],
     "directory_entity" : {
        "email" : "String",
        "first_name" : "String",
        "id" : "String",
```

```
        "icon_url" : "String",
        "last_name" : "String",
        "uri" : "String - URI",
        "type" : "String"
     },
     "effective_ rights" : {
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true
     },
     "explicit_allow_rights" : { // Optional
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true,
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime" // Optional
     },
     "explicit_deny_rights" : { // Optional
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true,
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime" // Optional
     },
     "inherited_allow_rights" : { // Optional
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true,
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime" // Optional
     },
     "inherited_deny_rights" : { // Optional
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true,
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime" // Optional
```

```
    }
  }
```

Fields

id	String	The identifier of the access right.
type	String	The type of the access right. The set of values: - DIRECTORY, - ATTRIBUTE (IMiS®/ARChive Server 9.9 or higher).
links	Link []	Links on the entity. The set of links: - "entity:acl:entry#edit" - "entity:acl:entry#delete".
directory_entity	ObjectLink	Link to the user or group.
effective_rights	EntityRights	Effective rights of the entity.
explicit_allow_rights	EntityRights	Explicit allow rights to access the entity (optional).
explicit_deny_rights	EntityRights	Explicit deny rights to access the entity (optional).
inherited_allow_rights	EntityRights	Inherited allow rights to access the entity (optional).
inherited_deny_rights	EntityRights	Inherited deny rights to access the entity (optional).

5.1.2.31 EntityACLEntryRequest

Object provides information request on entity explicit access rights.

Definition

```
{
  "entity_acl_entry" : {
     "explicit_allow_rights" : { // Optional
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime", // Optional
        "read_access" : true, // Optional
        "write_access" : true, // Optional
        "move_access" : true, // Optional
        "delete_access" : true, // Optional
        "change_rights" : true, // Optional
        "create_sub_entities" : true, // Optional
        "change_security_class" : true, // Optional
        "change_status" : true, // Optional
        "change_retention" : true // Optional
     },
     "explicit_deny_rights" : { // Optional
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime", // Optional
        "read_access" : true, // Optional
        "write_access" : true, // Optional
        "move_access" : true, // Optional
        "delete_access" : true, // Optional
        "change_rights" : true, // Optional
        "create_sub_entities" : true, // Optional
        "change_security_class" : true, // Optional
        "change_status" : true, // Optional
        "change_retention" : true // Optional
     }
  }
}
```

Fields

entity_acl_entry	EntityACLEntryUpdate	Explicit allow and deny rights to update the entity.

5.1.2.32 EntityACLRequest

Object provides request on entity and its properties explicit access rights.

Definition

```
{
  "acl" : {
     "entries" : [{ // Optional
        "subject" : "String",
        "type" : "String",
        "explicit_allow_rights" : { // Optional
           "valid_from" : "String - DateTime", // Optional
           "valid_to" : "String - DateTime", // Optional
           "read_access" : true, // Optional
           "write_access" : true, // Optional
           "move_access" : true, // Optional
           "delete_access" : true, // Optional
           "change_rights" : true, // Optional
           "create_sub_entities" : true, // Optional
           "create_references" : true, // Optional
           "change_security_class" : true, // Optional
           "change_status" : true, // Optional
           "change_retention" : true // Optional
        },
        "explicit_deny_rights" : { // Optional
           "valid_from" : "String - DateTime", // Optional
           "valid_to" : "String - DateTime", // Optional
           "read_access" : true, // Optional
           "write_access" : true, // Optional
           "move_access" : true, // Optional
           "delete_access" : true, // Optional
           "change_rights" : true, // Optional
           "create_sub_entities" : true, // Optional
           "create_references" : true, // Optional
           "change_security_class" : true, // Optional
           "change_status" : true // Optional
           "change_retention" : true // Optional
        }
     }
     ]
     "property_entries" : [{ // Optional
        "property_id" : "String",
        "entries" : [{ // Optional
           "subject" : "String",
           "type" : "String",
           "explicit_allow_rights" : { // Optional
              "valid_from" : "String - DateTime", // Optional
              "valid_to" : "String - DateTime", // Optional
              "create_access" : true, // Optional
              "delete_access" : true, // Optional
              "read_access" : true, // Optional
              "write_access" : true // Optional
           },
           "explicit_deny_rights" : { // Optional
              "valid_from" : "String - DateTime", // Optional
              "valid_to" : "String - DateTime", // Optional
              "create_access" : true, // Optional
              "delete_access" : true, // Optional
              "read_access" : true, // Optional
              "write_access" : true // Optional
           }
        }
        ]
```

```
      }
      ]
   }
}
```

Fields

acl	EntityACLCreate	The explicit right to create entity and entity properties.

5.1.2.33 EntityACLResponse

Object provides response to the entity and its properties access rights information request.

Definition

```
{
  "acl" : {
     "entries" : [],
     "property_entries" : []
  }
}
```

Fields

acl	EntityACL	The right to access the entity and entity properties.

5.1.2.34 EntityACLEntryCreate

Object creates the explicit access rights of the entity.

Definition

```
{
  "subject" : "String",
  "type" : "String",
  "explicit_allow_rights" : { // Optional
     "valid_from" : "String - DateTime", // Optional
     "valid_to" : "String - DateTime", // Optional
     "read_access" : true, // Optional
     "write_access" : true, // Optional
     "move_access" : true, // Optional
     "delete_access" : true, // Optional
     "change_rights" : true, // Optional
     "create_sub_entities" : true, // Optional
     "create_references" : true, // Optional
     "change_security_class" : true, // Optional
     "change_status" : true, // Optional
     "change_retention" : true // Optional
  },
  "explicit_deny_rights" : { // Optional
     "valid_from" : "String - DateTime", // Optional
     "valid_to" : "String - DateTime", // Optional
     "read_access" : true, // Optional
     "write_access" : true, // Optional
     "move_access" : true, // Optional
     "delete_access" : true, // Optional
     "change_rights" : true, // Optional
     "create_sub_entities" : true, // Optional
     "change_security_class" : true, // Optional
     "change_status" : true, // Optional
     "change_retention" : true // Optional
  }
}
```

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Fields

subject	String	Unique identifier of the directory entity or attribute.
type	String	The type of the access right. The set of values: - DIRECTORY, - ATTRIBUTE.
explicit_allow_rights	EntityRights	Explicit allow rights to access the entity (optional).
explicit_deny_rights	EntityRights	Explicit deny rights to access the entity (optional).

5.1.2.35 EntityACLEntryUpdate

Object updates an entity explicit access rights.

Definition

```
{
  "explicit_allow_rights" : { // Optional
     "valid_from" : "String - DateTime", // Optional
     "valid_to" : "String - DateTime", // Optional
     "read_access" : true, // Optional
     "write_access" : true, // Optional
     "move_access" : true, // Optional
     "delete_access" : true, // Optional
     "change_rights" : true, // Optional
     "create_sub_entities" : true, // Optional
     "change_security_class" : true, // Optional
     "change_status" : true, // Optional
     "change_retention" : true // Optional
  },
  "explicit_deny_rights" : { // Optional
     "valid_from" : "String - DateTime", // Optional
     "valid_to" : "String - DateTime", // Optional
     "read_access" : true, // Optional
     "write_access" : true, // Optional
     "move_access" : true, // Optional
     "delete_access" : true, // Optional
     "change_rights" : true, // Optional
     "create_sub_entities" : true, // Optional
     "change_security_class" : true, // Optional
     "change_status" : true, // Optional
     "change_retention" : true // Optional
  }
}
```

Fields

explicit_allow_rights	EntityRights	Explicit allow rights to access the entity (optional).
explicit_deny_rights	EntityRights	Explicit deny rights to access the entity (optional).

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5.1.2.36 EntityACLEntryResponse

Object provides information on the entity access rights.

Definition

```
{
  "entity_acl_entry" : {
  }
}
```

Fields

entity_acl_entry	EntityACLEntry	Explicit and inherited access right to the entity and entity properties.

5.1.2.37 EntityCheckInRequest

Object provides information request on entity draft check in.

Definition

```
{
  "check_in" : {
     "position" : 0,
     "comment" : ""
  }
}
```

Fields

check_in.position	Integer	The position of the entity version. The set of values: **Value** / **Description** 0 / Major (e.g. 2) 1 / Minor (e.g. 2.1) 2 / 3rd level (e.g. 2.1.1) 3 / 4th level (e.g. 2.1.1.1) null / Overwrite current version.
check_in.comment	String	The comment of the draft check in.

5.1.2.38 EntityContentOption

Object provides information on entity content properties.

Definition

```
{
  "container_id" : "String",
  "public" : false,
  "read_only" : false,
  "read_only_after_check_in" : false,
  "read_only_after_create" : false,
  "versionable" : false
}
```

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Fields

container_id	String	Unique identifier of additional entity content object container (optional).
public	Boolean	Specifies whether the content is public.
read_only	Boolean	Specifies whether the content is read-only.
read_only_after_check_in	Boolean	Specifies whether the content is read-only after check in.
read_only_after_create	Boolean	Specifies whether the content is read-only after create.
versionable	Boolean	Specifies whether the content is versionable.

5.1.2.39 EntityCreate

Object creates an entity.

Definition

```
{
     "template" : "String",
     "title" : "String",
     "classification_code" : "String",
     "status" : {
        "inherited" : true,
        "value" : "String"
     },
     "security_class" : {
        "inherited" : true,
        "value" : "String"
     },
     "child_classification_code_generated" : true,
     "description" : "String",
     "owner" : "String",
     "significance" : {
        "inherited" : true,
        "value" : "String"
     },
     "external_ids" : [
        "String"
     ],
     "keywords" : [
        "String"
     ],
     "properties" : [{
           "id" : "String",
           "values" : [T]
        }
     ],
     "retention" : {
        "policies" : [{
           "id" : "String",
           "name" : "String",
           "scope" : "String - ALLOW/DENY",
           "filter" : {
              "classes" : true,
              "folders" : true,
              "documents" : true
           }
        }
        ],
        "disposition_holds" : [{
              "id" : "String"
              "name" : "String"
        }
```

```
        ]
    },
    "email_properties" : {
       "subject" : "String",
       "from" : "String",
       "to" : [
          "String"
       ],
       "cc" : [
          "String"
       ],
       "bcc" : [
          "String"
       ],
       "date" : "String - DateTime",
       "message_id" : "String",
       "priority" : "String",
       "signed" : true
    },
    "physical_properties" : {
       "current_location" : "String",
       "custodian" : "String",
       "description" : "String",
       "home_location" : "String",
       "id" : "String",
       "return_due" : "String - Date",
       "status" : "String"
    }
 }
```

Fields

template	String	Unique identifier of the template.
title	String	The title of the entity.
classification_code	String	The canonical form of the full classification code (optional).
status	InheritedStringProperty	The status of the entity (optional).
security_class	InheritedStringProperty	The security class of the entity (optional).
child_classification_ code_generated	Boolean	Child classification code generation. Valid for entities type CLASS only (see *template*).
description	String	A description of the entity. (optional)
owner	String	The owner of the entity (optional).
significance	InheritedStringProperty	The significance of the entity (optional).
external_ids	String []	External identifier of the entity.
keywords	String []	Keywords of the entity.
categories	String []	Categories of the entity.
properties	EntityPropertyUpdate []	Entity properties.
retention	EntityRetentionCreate	Retention policies and disposition holds.
email_properties	EmailProperties	Email properties.
physical_properties	PhysicalPropertiesUpdate	Physical content properties.

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5.1.2.40 EntityCreateRequest

Object provides request to create the entity.

Definition

```
{
  "entity_create" : {
     "template" : "String",
     "title" : "String",
     "classification_code" : "String",
     "status" : {
        "inherited" : true,
        "value" : "String"
     },
     "security_class" : {
        "inherited" : true,
        "value" : "String"
     },
     "child_classification_code_generated" : true,
     "description" : "String",
     "owner" : "String",
     "significance" : {
        "inherited" : true,
        "value" : "String"
     },
     "external_ids" : [
        "String"
     ],
     "keywords" : [
        "String"
     ],
     "properties" : [{
           "id" : "String",
           "values" : [T]
        }
     ],
     "retention" : {
        "policies" : [{
           "id" : "String",
           "name" : "String",
           "scope" : "String - ALLOW/DENY",
           "filter" : {
              "classes" : true,
              "folders" : true,
              "documents" : true
           }
        }
        ],
        "disposition_holds" : [{
              "id" : "String"
              "name" : "String"
        }
        ]
     },
     "email_properties" : {
        "subject" : "String",
        "from" : "String",
        "to" : [
           "String"
        ],
        "cc" : [
           "String"
        ],
        "bcc" : [
           "String"
        ],
        "date" : "String - DateTime",
        "message_id" : "String",
        "priority" : "String",
        "signed" : true
```

```
      },
      "physical_properties" : {
         "current_location" : "String",
         "custodian" : "String",
         "home_location" : "String",
         "id" : "String",
         "return_due" : "String - Date",
         "status" : "String"
      }
   }
}
```

Fields

entity_create	EntityCreate	Entity creation.

5.1.2.41 EntityMoveRequest

Object provides request to move the entity.

Definition

```
{
  "reason" : "String"
}
```

Fields

reason	String	The reason for the entity move.

5.1.2.42 EntityNonrepudiation

Object provides information on entity authenticity and integrity proofs (AIP and ERS).

Definition

```
{
  "archival_information_package" : "String - Base64",
  "evidence_records" : [
     "String - Base64",
     "String - Base64"
  ]
}
```

Fields

archival_information_package	String - Base64	Archival information package (AIP).
evidence_records	String - Base64 []	Evidence records (ERS).

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5.1.2.43 EntityNonrepudiationResponse

Object provides information on entity authenticity and integrity proofs (AIP and ERS).

Definition

```
{
  "nonrepudiation" : {
     "archival_information_package" : "String - Base64",
     "evidence_records" : [
        "String - Base64",
        "String - Base64"
     ]
  }
}
```

Fields

nonrepudiation	EntityNonrepudiation	Entity authenticity and integrity proofs (AIP and ERS).

5.1.2.44 EntityOpenResponse

Object provides entity open information.

Definition

```
{
  "handle" : "String"
}
```

Fields

handle	String	Temporary identifier of the open entity.

5.1.2.45 EntityProperty

Object provides information on entity property.

Definition

```
  {
     "id" : "String",
     "description" : "String",
     "type" : "String - T",
     "options" : {
        "append_only" : false,
        "included_in_aip" : false,
        "inherited" : false,
        "multi_value" : false,
        "non_empty" : false,
        "pick_list" : false,
        "public" : false,
        "read_only" : false,
        "required" : false,
        "searchable" : false,
        "unique" : false
     },
     "values" : [
        T
     ],
     "effective_rights" :
        "create_access" : true,
        "delete_access" : true,
        "read_access" : true,
        "write_access" : true,
        "valid_from" : "String - DateTime",
        "valid_to" : "String - DateTime"
```

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```
    }
    "inherited" : false
}
```

Fields

id	String	Unique name of the entity property.
description	String	A description of the entity property.
type	String	Entity property type.
options	PropertyOptions	Entity property options.
values	T	The attribute property value. The value is dynamic.
effective_rights	PropertyRights	Effective entity property access rights (optional).
inherited	Boolean	Specifies whether the metadata value is inherited.

5.1.2.46 EntityPropertyACL

Object provides information on entity property access rights.

Definition

```
{
   "property_id" : "String",
   "entries" : [{
      "id" : "String",
      "type" : "String",
      "links" : [{
         "type" : "entity:acl:property_entry#edit",
         "uri" : "String - URI"
         }, {
         "type" : "entity:acl:property_entry#delete",
         "uri" : "String - URI"
      }
      ],
      "directory_entity" : {
         "email" : "String",
         "first_name" : "String",
         "id" : "String",
         "icon_url" : "String",
         "last_name" : "String",
         "uri" : "String - URI",
         "type" : "String"
      },
      "effective_rights" : {
         "create_access" : true,
         "delete_access" : true,
         "read_access" : true,
         "write_access" : true
      },
      "explicit_allow_rights" : { // Optional
         "create_access" : true,
         "delete_access" : true,
         "read_access" : true,
         "write_access" : true
         "valid from" : "String - DateTime", // Optional
         "valid to" : "String - DateTime" // Optional
      },
      "explicit_deny_rights" : { // Optional
         "create_access" : true,
         "delete_access" : true,
         "read_access" : true,
         "write_access" : true
         "valid from" : "String - DateTime", // Optional
         "valid to" : "String - DateTime" // Optional
```

```
        },
        "inherited_allow_rights" : { // Optional
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "write_access" : true
           "valid from" : "String - DateTime", // Optional
           "valid to" : "String - DateTime" // Optional
        },
        "inherited_deny_rights" : { // Optional
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "write_access" : true
           "valid from" : "String - DateTime", // Optional
           "valid to" : "String - DateTime" // Optional
        },
     }
     ]
  }
```

Fields

property_id	String	Unique identifier of the entity property.
entries	EntityPropertyACLEntry []	Entity property access right.

5.1.2.47 EntityPropertyACLCreate

Object creates and entity property access rights.

Definition

```
{
  "property_id" : "String",
  "entries" : [{ // Optional
     "directory_entity_id" : "String",
     "explicit_allow_rights" : { // Optional
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime", // Optional
        "create_access" : true, // Optional
        "delete_access" : true, // Optional
        "read_access" : true, // Optional
        "write_access" : true // Optional
     },
     "explicit_deny_rights" : { // Optional
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime", // Optional
        "create_access" : true, // Optional
        "delete_access" : true, // Optional
        "read_access" : true, // Optional
        "write_access" : true // Optional
     }
  }]
}
```

Fields

property_id	String	Unique identifier of the entity property.
entries	EntityPropertyACLEntryCreate []	The right to create entity property.

5.1.2.48 EntityPropertyACLEntry

Object provides information on entity property explicit and inherited access rights.

Definition

```
{
   "id" : "String",
   "type" : "String",
   "links" : [{
   "type" : "entity:acl:property_entry#edit",
      "uri" : "String - URI"
      }, {
      "type" : "entity:acl:property_entry#delete",
      "uri" : "String - URI"
   }
   ],
   "direcory_entity" : {
      "email" : "String",
      "first_name" : "String",
      "id" : "String",
      "icon_url" : "String",
      "last_name" : "String",
      "uri" : "String - URI",
      "type" : "String"
   },
   "effective_rights" : {
      "create_access" : true,
      "delete_access" : true,
      "read_access" : true,
      "write_access" : true
   },
   "explicit_allow_rights" : { // Optional
      "create_access" : true,
      "delete_access" : true,
      "read_access" : true,
      "write_access" : true
      "valid_from" : "String - DateTime", // Optional
      "valid_to" : "String - DateTime" // Optional
   },
   "explicit_deny_rights" : { // Optional
      "create_access" : true,
      "delete_access" : true,
      "read_access" : true,
      "write_access" : true
      "valid_from" : "String - DateTime", // Optional
      "valid_to" : "String - DateTime" // Optional
   },
   "inherited_allow_rights" : { // Optional
      "create_access" : true,
      "delete_access" : true,
      "read_access" : true,
      "write_access" : true
      "valid_from" : "String - DateTime", // Optional
      "valid_to" : "String - DateTime" // Optional
   },
   "inherited_deny_rights" : { // Optional
      "create_access" : true,
      "delete_access" : true,
      "read_access" : true,
      "write_access" : true
      "valid_from" : "String - DateTime", // Optional
      "valid_to" : "String - DateTime" // Optional
   },
}
```

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Fields

id	String	The identifier of the entity access right.
links	Link []	Links to the entity property. The set of links: - "entity:acl:property_entry#edit": Link to the entity property access right edit action. - "entity:acl:property_entry#delete": Link to the entity property access right delete action.
directory_entity	String	Unique identifier of the directory entity.
effective_rights	PropertyRights	Directory entity effective rights to access the entity property.
explicit_allow_rights	PropertyRights	Explicit allow rights to access entity property (optional).
explicit_deny_rights	PropertyRights	Explicit deny rights to access entity property (optional).
inherited_allow_rights	PropertyRights	Inherited allow rights to access entity property (optional).
inherited_deny_rights	PropertyRights	Inherited deny rights to access entity property (optional).

5.1.2.49 EntityPropertyACLEntryResponse

Object provides information on entity property explicit and inherited access rights.

Definition

```
{
  "property_acl_entry" : {
     "id" : "String",
     "type" : "String",
     "links" : [{ // Optional
        "type" : "entity:acl:property_entry#edit",
        "uri" : "String - URI"
        }, { // Optional
        "type" : "entity:acl:property_entry#delete",
        "uri" : "String - URI"
        }
     ],
     "directory_entity" : {
        "email" : "String",
        "first_name" : "String",
        "id" : "String",
        "icon_url" : "String",
        "last_name" : "String",
        "uri" : "String - URI",
        "type" : "String"
     },
     "effective_rights" : {
        "create_access" : false,
        "delete_access" : false,
        "read_access" : false,
        "write_access" : false
     },
     "explicit_allow_rights" : { // Optional
        "create_access" : false,
        "delete_access" : false,
        "read_access" : false,
        "write_access" : false,
```

```
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime" // Optional
      },
      "explicit_deny_rights" : { // Optional
         "create_access" : false,
         "delete_access" : false,
         "read_access" : false,
         "write_access" : false,
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime", // Optional
      }
   }
}
```

Fields

property_acl_entry	EntityPropertyACLEntry	The right to access the entity property.

5.1.2.50 EntityPropertyACLEntryRequest

Object provides request on entity property explicit access rights.

Definition

```
{
   "property_acl_entry" : {
      "explicit_allow_rights" : { // Optional
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime", // Optional
         "create_access" : true, // Optional
         "delete_access" : true, // Optional
         "read_access" : true, // Optional
         "write_access" : true // Optional
      },
      "explicit_deny_rights" : { // Optional
         "valid_from" : "String - DateTime", // Optional
         "valid_to" : "String - DateTime", // Optional
         "create_access" : true, // Optional
         "delete_access" : true, // Optional
         "read_access" : true, // Optional
         "write_access" : true // Optional
      }
   }
}
```

Fields

property_acl_entry	EntityPropertyACLEntryUpdate	The right to update the entity property.

5.1.2.51 EntityPropertyACLEntryCreate

Object creates an entity property access rights.

Definition

```
{
   "subject" : "String",
   "type" : "String",
   "explicit_allow_rights" : { // Optional
      "valid_from" : "String - DateTime", // Optional
      "valid_to" : "String - DateTime", // Optional
      "create_access" : true, // Optional
      "delete_access" : true, // Optional
      "read_access" : true, // Optional
      "write_access" : true // Optional
   },
```

```
  "explicit_deny_rights" : { // Optional
     "valid_from" : "String - DateTime", // Optional
     "valid_to" : "String - DateTime", // Optional
     "create_access" : true, // Optional
     "delete_access" : true, // Optional
     "read_access" : true, // Optional
     "write_access" : true // Optional
  }
}
```

Fields

subject	String	Unique identifier of the directory entity or attribute.
type	String	The type of entity access right. The set of values: - DIRECTORY, - ATTRIBUTE.
explicit_allow_rights	PropertyRights	Explicit allow rights to access entity property.
explicit_deny_rights	PropertyRights	Explicit deny rights to access entity property.

5.1.2.52 EntityPropertyACLEntryUpdate

Object updates an entity property access rights.

Definition

```
{
     "explicit_allow_rights" : { // Optional
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime", // Optional
        "create_access" : true, // Optional
        "delete_access" : true, // Optional
        "read_access" : true, // Optional
        "write_access" : true // Optional
     },
     "explicit_deny_rights" : { // Optional
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime", // Optional
        "create_access" : true, // Optional
        "delete_access" : true, // Optional
        "read_access" : true, // Optional
        "write_access" : true // Optional
     }
}
```

Fields

explicit_allow_rights	PropertyRights	Explicit allow rights to update entity property.
explicit_deny_rights	PropertyRights	Explicit deny rights to update entity property.

5.1.2.53 EntityPropertyUpdate

Object updates an entity property.

Definition

```
{
  "id" : "String",
  "values" : [T]
}
```

Fields

id	String	Unique identifier of the entity property.
value	String []	The attribute property value. The value is dynamic.

5.1.2.54 EntityReference

Object provides information on entity reference.

Definition

```
{
  "created" : "",
  "creator" : {},
  "description" : "",
  "effective_rights" : {},
  "entities" : [ ... ],
  "id" : "",
  "title" : ""
}
```

Fields

created	String	Date and time of the entity reference creation.
creator	DirectoryEntityLink	The author of the entity reference.
description	String	The description of the reference (optional).
effective_rights	EntityRights	Effective rights of current user on the entity reference.
entities	EntityStub []	The collection of entities.
id	String	Unique identifier of the entity reference.
title	String	The title of the entity reference (optional).

5.1.2.55 EntityReferenceCreateEntry

Object provides information on entity reference identifier.

Definition

```
{
  "id_type" : "",
  "value" : ""
}
```

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Fields

id_type	String	The entity reference identifier type. The set of values: - C, - E, - I.
value	String	The identifier value.

5.1.2.56 EntityReferenceCreateRequest

Object provides request to create the entity reference.

Definition

```
{
  "description" : "",
  "entries" : [ ... ],
  "title" : ""
}
```

Fields

description	String	The description of the entity reference (optional).
entries	EntityReferenceCreateEntry []	The collection of entity references identifiers.
title	String	The title of the entity reference (optional).

5.1.2.57 EntityReferenceResponse

Object provides information on entity reference.

Definition

```
{
  "reference" : {}
}
```

Fields

reference	EntityReference	The entity reference information.

5.1.2.58 EntityReferencesResponse

Object provides information on entity references.

Definition

```
{
  "references" : [ ... ]
}
```

Fields

references	EntityReference []	The collection of entity references.

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5.1.2.59 EntityResponse

Object provides entity information.

Definition

```
{
  "entity" : {
  },
  "save_report" : "String"
}
```

Fields

entity	Entity	Entity information.
save_report	String	Entity save log.

5.1.2.60 EntityRetention

Object provides information on entity retention policies and disposition holds.

Definition

```
{
  "policies" : [{
     "id" : "String",
     "uri" : "String - URI",
     "name" : "String",
     "description" : "String",
     "explicit_context" : {
        "scope" : "String - ALLOW/DENY",
        "filter" : {
           "classes" : true,
           "folders" : true,
           "documents" : true
        },
        "effective" : true
     },
     "inherited_context" : [{
        "scope" : "String - ALLOW/DENY",
        "filter" : {
           "classes" : true,
           "folders" : true,
           "documents" : true
        },
        "effective" : true
        }
        ],
     "links" : [{
        "type" : "retention_policy#edit",
        "uri" : "String - URI",
        }, {
        "type" : "retention_policy#delete",
        "uri" : "String - URI",
     }
     ]
  }
  ],
  "disposition_holds" : [{
        "id" : "String",
        "uri" : "String - URI",
        "name" : "String",
           "description" : "String",
           "links" : [{
              "type" : "disposition_hold#delete",
              "uri" : "String - URI",
           }
```

```
            ]
        }
        ]
    }
    ]
}
```

Fields

policies	EntityRetentionPolicyEntry []	Entity retention policies.
disposition_holds	EntityRetentionDispositionHoldEntry []	Entity disposition holds.

5.1.2.61 EntityRetentionCreate

Object creates the entity retention policies and disposition holds.

Definition

```
{
  "policies" : [],
  "disposition_holds" : []
}
```

Fields

policies	EntityRetentionPolicyEntryCreate []	Entity retention policies.
disposition_holds	EntityRetentionDispositionHoldCreate []	Entity disposition holds.

5.1.2.62 EntityRetentionDispositionHoldCreate

Object creates an entity disposition hold.

Definition

```
{
  "id" : "String",
  "name" : "String"
}
```

Fields

id	String	Unique identifier of the entity disposition hold (optional, if field *name* is defined).
name	String	The name of the entity disposition hold (optional if field *id* is defined).

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5.1.2.63 EntityRetentionDispositionHoldEntry

Object provides information on entity disposition hold.

Definition

```
{
  "id" : "String",
  "uri" : "String - URI",
  "name" : "String",
  "description" : "String",
  "inherited" : false,
  "links" : [{
     "type" : "disposition_hold#delete",
     "uri" : "String - URI",
  }]
}
```

Fields

id	String	Unique identifier of the disposition hold.
uri	String	Unique identifier of the link to the disposition hold.
name	String	Unique name of the disposition hold.
description	String	A description of the disposition hold.
inherited	Boolean	Specifies whether the disposition hold is inherited.
links	Link []	Links on disposition hold. The set of links: - "disposition_hold#delete".

5.1.2.64 EntityRetentionDispositionHoldsRequest

Object provides request to the entity disposition holds.

Definition

```
{
  "disposition_holds" : [{
     "id" : "String",
     "name" : "String"
  }]
}
```

Fields

disposition_holds	EntityRetentionDispositionHoldCreate []	Entity disposition holds.

5.1.2.65 EntityRetentionDispositionHoldsResponse

Object provides response to the entity disposition holds information request.

Definition

```
{
  "disposition_holds" : []
}
```

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Fields

disposition_holds	EntityRetentionDispositionHoldEntry []	Entity disposition holds.

5.1.2.66 EntityRetentionPoliciesRequest

Object provides request to the entity retention policies.

Definition

```
{
  "retention_policies" : [{
     "id" : "String",
     "name" : "String",
     "scope" : "String - ALLOW/DENY",
     "filter" : {
        "classes" : true,
        "documents" : true,
        "folders" : true
     }
  }]
}
```

Fields

retention_policies	EntityRetentionPolicyEntryCreate []	The information on entity retention policies.

5.1.2.67 EntityRetentionPoliciesResponse

Object provides information on entity retention policies.

Definition

```
{
  "retention_policies" : []
}
```

Fields

retention_policies	EntityRetentionPolicyEntry []	The information on entity retention policies.

5.1.2.68 EntityRetentionPolicyContext

Object provides information on entity retention policy context.

Definition

```
{
  "scope" : "String - ALLOW/DENY",
  "filter" : {
     "classes" : true,
     "folders" : true,
     "documents" : true
  },
  "effective" : true
}
```

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Fields

scope	String	Scope of the entity explicit retention policy. The set of values: - ALLOW, - DENY.
filter	EntityRetentionPolicyContextFilter	Entity types that apply to the retention policy.
effective	Boolean	Entity effective retention policy.

5.1.2.69 EntityRetentionPolicyContextFilter

Object provides information on entity retention policy context filter.

Definition

```
{
  "classes" : true,
  "folders" : true,
  "documents" : true
}
```

Fields

classes	Boolean	CLASS entity type.
folders	Boolean	FOLDER entity type.
documents	Boolean	DOCUMENT entity type.

5.1.2.70 EntityRetentionPolicyEntry

Object provides information on entity retention policy.

Definition

```
{
   "id" : "String",
   "uri" : "String - URI",
   "name" : "String",
   "description" : "String",
   "explicit_context" : {
      "scope" : "String - ALLOW/DENY",
      "filter" : {
         "classes" : true,
         "folders" : true,
         "documents" : true
      },
      "effective" : true
   },
   "inherited_context" : [{
      "scope" : "String - ALLOW/DENY",
      "filter" : {
         "classes" : true,
         "folders" : true,
         "documents" : true
      },
      "effective" : true
   }
   ],
   "links" : [{
      "type" : "retention_policy#edit",
      "uri" : "String - URI",
      }, {
```

```
        "type" : "retention_policy#delete",
        "uri" : "String - URI",
    }
    ]
  }
```

Fields

id	String	Unique identifier of the entity retention policy.
uri	String	Unique identifier of the link to the entity retention policy.
name	String	The name of the entity retention policy.
descripion	String	A description of the entity retention policy.
explicit_context	EntityRetentionPolicyContext	Explicit context of the retention policy.
inherited_context	EntityRetentionPolicyContext []	Inherited context of the retention policy.
links	Link []	Links to the entity retention policy. The set of links: - "retention_policy#edit" - "retention_policy#delete".

5.1.2.71 EntityRetentionPolicyEntryCreate

Object creates an entity retention policy.

Definition

```
{
  "id" : "String",
  "name" : "String",
  "scope" : "String - ALLOW/DENY",
  "filter" : {
     "classes" : true,
     "documents" : true,
     "folders" : true
  }
}
```

Fields

id	String	Unique identifier of the entity retention policy.
name	String	The name of the entity retention policy.
filter	EntityRetentionPolicyContextFilter	Entity types that apply to the retention policy.
scope	String	Scope of the entity retention policy. The set of values: - ALLOW, - DENY.

5.1.2.72 EntityRetentionPolicyEntriesUpdateRequest

Object provides information on the collection of retention policies.

Definition

```
{
  "retention_policies": [{
        "id": "String ",
        "scope": "String - ALLOW/DENY",
        "filter": {
           "classes": true,
           "folders": true,
           "documents": true
        }
     }
  ]
}
```

Fields

retention_policies	EntityRetentionPolicyEntryUpdate []	The information on retention policies.

5.1.2.73 EntityRetentionPolicyEntriesUpdateResponse

Object provides response to the entity retention policy update request.

Definition

```
{
  "retention_policies": [{
        "id": "String",
        "uri": "String - URI",
        "name": "String",
        "description": "String",
        "explicit_context": {
           "scope": "String - ALLOW/DENY",
           "filter": {
              "classes": true,
              "folders": true,
              "documents": true
           },
           "effective": true
        },
        "inherited_context": [{
              "scope": "String - ALLOW/DENY",
              "filter": {
                 "classes": true,
                 "folders": true,
                 "documents": true
              },
              "effective": true
           }
        ],
        "links": [{
              "type": "retention_policy#edit",
              "uri": "String - URI",
           }, {
              "type": "retention_policy#delete"
              "uri": "String - URI",
           }
        ]
     }
  ]
}
```

Fields

retention_policies	EntityRetentionPolicyEntry []	The information on retention policies.

5.1.2.74 EntityRetentionPolicyEntryUpdate

Object updates an entity retention policy.

Definition

```
{
  "id": "String",
  "scope": "String - ALLOW/DENY",
  "filter": {
     "classes" : true,
     "folders" : true,
     "documents" : true
  }
}
```

Fields

id	String	Unique identifier of the retention policy.
scope	String	The scope of the entity retention policy context. The set of values: - ALLOW, - DENY.
filter	EntityRetentionPolicyContextFilter	Entity types that apply to the retention policy.

5.1.2.75 EntityRetentionPolicyEntryRequest

Object provides request to the entity retention policy.

Definition

```
{
  "retention_policy": {
     "scope": "String - ALLOW/DENY",
     "filter": {
        "classes" : true,
        "folders" : true,
        "documents" : true
     }
  }
}
```

Fields

retention_policy	EntityRetentionPolicyEntryUpdate	Entity retention policy.

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5.1.2.76 EntityRetentionPolicyEntryResponse

Object provides information on entity retention policy.

Definition

```
{
  "retention_policy": {
     "id" : "String",
     "uri" : "String - URI",
     "name" : "String",
     "description" : "String",
     "explicit_context" : {
        "scope" : "String - ALLOW/DENY",
        "filter" : {
           "classes" : true,
           "folders" : true,
           "documents" : true
        },
        "effective" : true
     },
     "inherited_context" : [{
        "scope" : "String - ALLOW/DENY",
        "filter" : {
           "classes" : true,
           "folders" : true,
           "documents" : true
        },
        "effective" : true
     }
     ],
     "links" : [{
        "type" : "retention_policy#edit",
        "uri" : "String - URI",
        }, {
        "type" : "retention_policy#delete",
        "uri" : "String - URI",
     }
     ]
  }
}
```

Fields

retention_policy	EntityRetentionPolicyEntry	Entity retention policy.

5.1.2.77 EntityRights

Object provides information on entity access rights.

Definition

```
{
   "read_access" : true,
   "write_access" : true,
   "move_access" : true,
   "delete_access" : true,
   "change_rights" : true,
   "create_sub_entities : true,
   "change_security_class" : true,
   "change_status" : true,
   "change_retention" : true,
   "valid_from" : "String - DateTime",
   "valid_to" : "String - DateTime"
}
```

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Fields

read_access	Boolean	The right to read the entity.
write_access	Boolean	The right to write the entity.
move_access	Boolean	The right to move the entity.
delete_access	Boolean	The right to delete the entity.
change_rights	Boolean	The right to change entity access rights.
create_sub_entities	Boolean	The right to create sub-entities.
change_security_class	Boolean	The right to change entity security class.
change_status	Boolean	The right to change entity status.
change_retention	Boolean	The right to change entity retention policies and disposition holds.
valid_from	String - DateTime	The validity of the access rights from a given date and time (optional).
valid_to	String - DateTime	The validity of the access rights until a given date and time (optional).

5.1.2.78 EntityStatusUpdateRequest

Object provides request to update the entity status.

Definition

```
{
  "status" : {
     "inherited" : true,
     "value" : "String"
  },
  "reason" : "String"
}
```

Fields

status	InheritedStringProperty	The status value.
reason	String	The reason for status change.

5.1.2.79 EntityStatusUpdateResponse

Object provides response to the entity status update.

Definition

```
{
  "status" : {
     "inherited" : true,
     "value" : "String"
  }
}
```

Fields

status	InheritedStringProperty	Status value.

5.1.2.80 EntitySecurityClassUpdateRequest

Object provides request to update the entity security class.

Definition

```
{
  "security_class" : {
     "inherited" : true,
     "value" : "String"
  },
  "reason" : "String"
}
```

Fields

security_class	InheritedStringProperty	Value of the security class.
reason	String	The reason for security class update.

5.1.2.81 EntitySecurityClassUpdateResponse

Object provides response to the entity security class update request.

Definition

```
{
  "security_class" : {
     "inherited" : true,
     "value" : "String"
  }
}
```

Fields

security_class	InheritedStringProperty	Value of the security class.

5.1.2.82 EntityStub

Object provides public entity information.

Definition

```
{
  "links" : [{
     "type" : "entity:acl",
     "uri" : "String - URI"
     }, {
     "type" : "entity:audit_log",
     "uri" : "String - URI"
     }, {
     "type" : "nonrepudiation",
     "uri" : "String - URI"
     }, {
     "type" : "objects",
     "uri" : "String - URI"
     }, {
     "type" : "search",
     "uri" : "String - URI"
```

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```
    }, {
    "type" : "parent",
    "uri" : "String - URI"
    }, {
    "type" : "entity:stub",
    "uri" : "String - URI"
    }, {
    "type" : "entity#edit",
    "uri" : "String - URI"
    }, {
    "type" : "entity#delete",
    "uri" : "String - URI"
    }, {
    "type" : "entity:status#edit",
    "uri" : "String - URI"
    }, {
    "type" : "entity:security_class#edit",
    "uri" : "String - URI"
    }, {
    "type" : "entity#move",
    "uri" : "String - URI"
    }
  ],
  "classification_code" : "String",
  "public_classification_code" : "String",
  "id" : "String",
  "type" : "String - CLASS/FOLDER/DOCUMENT",
  "created" : "String - DateTime",
  "accessed" : "String - DateTime",
  "modified" : "String - DateTime",
  "modified_by" : {},
  "closed" : "String - DateTime",
  "opened" : "String - DateTime",
  "creator" : {
     "id" : "String",
     "uri" : "String - URI"
  },
  "owner" : {
  "id" : "String",
     "uri" : "String - URI"
  },
  "description" : "",
  "external_ids" : [
     "String"
  ],
  "keywords" : [
     "String"
  ],
  "categories" : [
     "String"
  ],
  "security_class" : {
     "inherited" : true,
     "value" : "String"
  },
  "significance" : {
     "inherited" : true,
     "value" : "String"
  },
  "status" : {
     "inherited" : true,
     "value" : "String"
  },
  "title" : "String",
  "template" : {
     "id" : "String,
     "uri" : "String - URI"
  },
  "sub_entities_templates" : [{
     "id" : "String",
     "uri" : "String - URI"
```

```
}
],
"aip" : true,
"has_references" : true,
"version" : 1,
"version_label" : "String",
"check_in_comment" : "String",
"draft" : true,
"draft_creator" : {},
"has_versions" : true,
"has_draft" : true,
"draft_id" : "String",
"child_classification_code_generated" : true,
"permanent" : true,
"child_count" : 0,
"effective_rights" : {
   "read_access" : true,
   "write_access" : true,
   "move_access" : true,
   "delete_access" : true,
   "change_rights" : true,
   "create_sub_entities" : true,
   "create_references" : true,
   "change_security_class" : true,
   "change_status" : true,
   "change_retention" : true
},
"properties" : [{
   "id" : "String",
   "description" : "String",
   "type" : "String - T",
   "options" : {
      "append_only" : false,
      "included_in_aip" : false,
      "inherited" : true,
      "multi_value" : false,
      "non_empty" : false,
      "pick_list" : false,
      "public" : true,
      "read_only" : false,
      "read_only_after_check_in" : false,
      "read_only_after_create" : false,
      "required" : false,
      "searchable" : true,
      "unique" : false
   },
   "values" : [
      T
   ],
   "effective_rights" : {
      "create_access" : true,
      "delete_access" : true,
      "read_access": true,
      "write_access" : true,
   }
}
],
"retention" : {
   "policies" : [{
      "id" : "String",
      "uri" : "String - URI",
      "name" : "String",
      "description" : "String",
      "explicit_context" : {
         "scope" : "String - ALLOW/DENY",
         "filter" : {
            "classes" : true,
            "folders" : false,
            "documents" : false
         },
         "effective" : true
```

```
        },
        "inherited_context" : [{
           "scope" : "String - ALLOW/DENY",
           "filter" : {
              "classes" : true,
              "folders" : false,
              "documents" : false
           },
           "effective" : true
        }
        ],
        "links" : [{
           "type" : "retention_policy#edit",
           "uri" : "String - URI",
           }, {
           "type" : "retention_policy#delete",
           "uri" : "String - URI",
        }
        ]
     }
     ],
     "disposition_holds" : [{
        "id" : "String",
        "uri" : "String - URI",
        "name" : "String",
        "description" : "String",
        "links" : [{
           "type" : "disposition_hold#delete",
           "uri" : "String - URI",
        }
        ]
     }
     ]
  }
}
```

Fields

links	Link []	Links to the entity. The set of links: - "entity:acl": Link to the entity access rights. - "entity:audit_log": Link to the entity audit log. - "nonrepudiation": Link to the entity authenticity and integrity proofs. - "objects": Link to the entity objects. - "search": Link to the entity search. - "parent": Link to the parent entity. - "entity#edit": Link to the entity edit action. - "entity#delete": Link to the entity delete action. - "entity:status#edit": Link to the entity status edit action. - "entity:security_class#edit": Link to the entity security class edit action. - "entity#move": Link to the entity move action. - "entity".

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classification_code	String	The canonical form of the full classification code.
public_classification_code	String	Entity classification code in the classification scheme.
id	String	Unique identifier of the entity.
type	String	Entity type. The set of types: - CLASS, - FOLDER, - DOCUMENT.
created	String - DateTime	Date and time of the entity creation.
accessed	String - DateTime	Date and time of the entity access.
modified	String - DateTime	Date and time of the entity change.
modified_by	DirectoryEntityLink	The last entity modifier.
closed	String - DateTime	Date and time of the entity status change to Closed.
opened	String - DateTime	Date and time of the entity status change to Opened.
creator	ObjectLink	The author of the entity.
owner	ObjectLink	The owner of the entity.
description	String	A description of the entity.
external_ids	String	External identifier of the entity (unique value).
keywords	String	Keywords of the entity.
categories	String []	Categories of the entity.
security_class	InheritedStringProperty	The security class of the entity.
significance	InheritedStringProperty	The significance of the entity.
status	InheritedStringProperty	The status of the entity.
title	String	The title of the entity.
template	ObjectLink	Template type.
sub_entity_templates	ObjectLink []	Templates for sub-entities creation.
parmanent	Boolean	Permanent entity.
child_count	Int	Number of child entities.
effective_rights	EntityRights	Effective rights of current user on the entity.
properties	EntityProperty []	Entity properties.

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retention	EntityRetention	Retention policies and disposition holds.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.
has_references	Boolean	Specifies whether an entity has references.
version	Integer	Identifier of the entity version.
version_label	String	The label of the Entity version.
check_in_comment	String	The comment of the version.
draft	Boolean	Specifies whether the entity is draft.
draft_creator	DirectoryEntityLink	User who created draft.
has_versions	Boolean	Specifies whether an entity has versions.
has_draft	Boolean	Specifies whether an entity has draft.
draft_id	String	The identifier of draft.
child_classification_ code_generated	Boolean	Child entity classification code generation.

5.1.2.83 EntityStubResponse

Object provides entity public information.

Definition

```
{
  "entity_stub" : {
     "classification_code" : "String",
     "public_classification_code" : "String",
     "id" : "String",
     "type" : "String - CLASS/FOLDER/DOCUMENT",
     ... (see definition of EntityStub object)
  }
}
```

Fields

entity_stub	EntityStub	Public entity information.

5.1.2.84 EntityUpdate

Object provides information on entity update.

Definition

```
{
     "title" : "String",
     "child_classification_code_generated" : true,
     "description" : "String",
     "owner" : "String",
     "significance" : {
        "inherited" : true,
        "value" : "String"
     },
     "external_ids" : [
        "String"
     ],
     "keywords" : [
        "String"
     ],
```

```
    "categories" : [
       "String"
    ],
    "properties" : [{
          "id" : "String",
          "values" : [T]
       }
    ],
    "email_properties" : {
       "subject" : "String",
       "from" : "String",
       "to" : [
          "String"
       ],
       "cc" : [
          "String"
       ],
       "bcc" : [
          "String"
       ],
       "date" : "String - DateTime",
       "message_id" : "String",
       "priority" : "String",
       "signed" : true
    },
    "physical_properties" : {
       "current_location" : "String",
       "custodian" : "String",
       "description" : "String",
       "home_location" : "String",
       "id" : "String",
       "return_due" : "String - Date",
       "status" : "String"
    }
 }
```

Fields

title	String	The title of the entity (optional).
child_classification_ code_generated	Boolean	Child classification code generation (optional). Valid for entities type CLASS only.
description	String	A description of the entity (optional).
owner	String	The owner of the entity (optional).
significance	InheritedStringProperty	The significance of the entity (optional).
external_ids	String []	External identifiers of the entity (optional).
keywords	String []	Keywords of the entity (optional).
categories	String []	Categories of the entity (optional).
properties	EntityPropertyUpdate []	Entity properties (optional).
email_properties	EmailProperties	Email properties (optional).
physical_properties	PhysicalPropertiesUpdate	Physical content properties (optional).

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5.1.2.85 EntityUpdateRequest

Object provides request to update the entity.

Definition

```
{
  "entity_update" : {
     "title" : "String",
     "child_classification_code_generated" : true,
     "description" : "String",
     "owner" : "String",
     "significance" : {
        "inherited" : true,
        "value" : "String"
     },
     "external_ids" : [
        "String"
     ],
     "categories" : [
        "String"
     ],
     "keywords" : [
        "String"
     ],
     "properties" : [{
           "id" : "String",
           "values" : [T]
        }
     ],
     "email_properties" : {
        "subject" : "String",
        "from" : "String",
        "to" : [
           "String"
        ],
        "cc" : [
           "String"
        ],
        "bcc" : [
           "String"
        ],
        "date" : "String - DateTime",
        "message_id" : "String",
        "priority" : "String",
        "signed" : true
     },
     "physical_properties" : {
        "current_location" : "String",
        "custodian" : "String",
        "description" : "String",
        "home_location" : "String",
        "id" : "String",
        "return_due" : "String - Date",
        "status" : "String"
     }
  }
}
```

Fields

entity_update	EntityUpdate	Entity update.

5.1.2.86 InheritedStringProperty

Object provides information on entity property with the inherited value.

Definition

```
{
  "inherited" : true,
  "value" : String
}
```

Fields

inherited	Boolean	Information on whether property is inherited (optional).
value	String	Inherited property value (optional).

5.1.2.87 Link

Object provides the link to entities.

Definition

```
{
  "type" : String,
  "uri" : String
}
```

Fields

type	String	Entity type. The set of the possible types: - "entity:acl": Link to the entity access rights. - "entity:audit_log": Link to the entity audit log. - "nonrepudiation": Link to the proofs of the authenticity of the entity object. - "objects": Link to the entity objects. - "search": Link to the entity search. - "parent": Link to the parent entity. - "entity:stub": Link to entity properties. - "entity#edit": Link to edit the entity. - "entity#delete": Link to delete the entity. - "entity:status#edit": Link to edit the entity status. - "entity:security_class#edit": Link to edit the security class. - "entity#move": Link to move the entity.
uri	String	Unique identifier of the link to the entity in the archive server.

5.1.2.88 ObjectLink

Identifier of the content object linked to the entity.

Definition

```
{
  "id" : "String",
  "uri" : "String - URI"
}
```

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Fields

id	String	Identifier of the content.
uri	String	Link to the content.

5.1.2.89 ObjectManageRequest

Object provides information on request to mark the entity content object.

Definition

```
{
  "manage": {
     "queue_for_indexing": true,
     "queue_for_conversion": true
  }
}
```

Fields

queue_for_indexing	Boolean	Specifies whether the object is marked for indexing.
queue_for_conversion	Boolean	Specifies whether the object is marked for conversion.

5.1.2.90 ObjectsResponse

Object provides information on entity content objects.

Definition

```
{
  "objects": [{
        "id": "String",
        "container_id": "String", // Optional
        "description": "String",
        "size": 0,
        "created": "String",
        "accessed": "String",
        "modified": "String",
        "content_type": "String",
        "extension": "String",
        "effective_rights": { // Optional
           "create_access": true,
           "delete_access": true,
           "read_access": true,
           "write_access": true
        },
        "links": [{
              "type": "content",
              "uri": "String - URI"
           }, {
              "type": "content_with_metadata",
              "uri": "String - URI"
           }
        ],
        "child_count": 0,
        "signed": false,
        "indexed": false,
        "children": [{
              "id": "String",
              "container_id": "String", // Optional
              "description": "String",
              "size": 0,
              "created": "String",
```

```
                "accessed": "String",
                "modified": "String",
                "content_type": "String",
                "extension": "String",
                "effective_rights": { // Optional
                   "create_access": true,
                   "delete_access": true,
                   "read_access": true,
                   "write_access": true
                },
                "links": [{
                      "type": "content",
                      "uri": "String - URI"
                   }, {
                      "type": "content_with_metadata",
                      "uri": "String - URI"
                   }
                ],
                "child_count": 0,
                "signed": false,
                "indexed": false,
                "children": [],
                "parent_id": "String"
             }
          ],
          "parent_id": "String"
       }
   ]
}
```

Fields

objects	ObjectStub []	Entity content objects.

5.1.2.91 ObjectStub

Object provides public information on the entity content object.

Definition

```
{
  "container_id" : "String", // Optional
  "id" : "String",
  "description" : "String",
  "size" : 0,
  "created" : "String - DateTime",
  "accessed" : "String - DateTime",
  "modified" : "String - DateTime",
  "content_type" : "String",
  "extension" : "String",
  "effective_rights" : { // Optional
     "create_access" : true,
     "delete_access" : true,
     "read_access" : true,
     "write_access" : true
  }
}
```

Fields

container_id	String	Unique identifier of the content object container (optional).
id	String	Unique identifier of the content object.

description	String	A description of the content object.
size	Int	The content object size (in bytes).
created	String - DateTime	Date and time of the content object creation.
accessed	String - DateTime	Date and time of the content object access.
modified	String - DateTime	Date and time of the content object change.
content_type	String	Content object type.
extension	String	Extension of the content object file.
effective_rights	PropertyRights	Effective rights to access the content object (optional).
child_count	Int	Number of child objects.
signed	Boolean	Value that shows whether the physical content is electronically signed.
indexed	Boolean	Value that shows whether the physical content is indexed.
parent_id	String	Unique identifier of the parent physical content (optional).
children	ObjectStub []	Collection of child objects.

5.1.2.92 ObjectStubResponse

Object provides information on entity content object.

Definition

```
{
  "object" : {
     "container_id" : "String", // Optional
     "id" : "String",
     "description" : "String",
     "size" : 0,
     "created" : "String - datetime",
     "accessed" : "String - datetime",
     "modified" : "String - datetime",
     "content_type" : "String",
     "extension" : "String",
     "effective_rights" : { // Optional
        "create_access" : true,
        "delete_access" : true,
        "read_access" : true,
        "write_access" : true
     },
     "child_count" : 0,
     "signed" : false,
     "indexed" : false,
     "parent_id" : "String"
  }
}
```

Fields

object	ObjectStub	Entity content object.

5.1.2.93 PasswordChangeRequest

Object provides information on password change.

Definition

```
{
  "new_password" : "String",
  "old_password" : "String"
}
```

Fields

new_password	String	New password.
old_password	String	Current password.

5.1.2.94 PhysicalProperties

Object provides information on entity physical content properties.

Definition

```
{
  "current_location" : "String",
  "custodian" : "String",
  "description" : "String",
  "home_location" : "String",
  "id" : "String",
  "return_due" : "String - Date",
  "status" : "String",
  "status_change" : "String - DateTime"
}
```

Fields

current_location	String	Current location of the physical content.
custodian	String	The custodian of the content.
description	String	A description of the content.
home_location	String	The home location of the content.
id	String	The identifier of the physical content.
return_due	String - Date	The return date of the issued content.
status	String	The status of the content.
status_change	String - DateTime	Date and time of the content status change.

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5.1.2.95 PhysicalPropertiesUpdate

Object updates an entity physical properties.

Definition

```
{
  "current_location" : "String",
  "custodian" : "String",
  "description" : "String",
  "home_location" : "String",
  "id" : "String",
  "return_due" : "String - Date",
  "status" : "String"
}
```

Fields

current_location	String	The current location of the physical content.
custodian	String	The custodian of the content.
description	String	A description of the content.
home_location	String	The home location of the content.
id	String	The identifier of the physical content.
return_due	String - Date	The return date of the issued content.
status	String	The status of the content.

5.1.2.96 Property

Object provides information on entity property.

Definition

```
{
  "description" : "String",
  "label" : "String",
  "id" : "String",
  "options" : {
     "append_only" : false,
     "included_in_aip" : false,
     "inherited" : false,
     "multi_value" : false,
     "non_empty" : false,
     "pick_list" : false,
     "public" : false,
     "read_only" : false,
     "read_only_after_check_in" : false,
     "read_only_after_create" : false,
     "required" : false,
     "searchable" : false,
     "unique" : false
  "type" : "String - T",
  "values" : [ // Optional
     T
]
}
```

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Fields

description	String	A description of the attribute property.
label	String	The property label.
id	String	Unique identifier of the attribute property.
options	PropertyOptions	The attribute property options.
type	String	Attribute property type. The set of types: - BINARY - BOOL - DATE - DATE_TIME - DECIMAL1 - DECIMAL2 - DECIMAL3 - DECIMAL4 - DECIMAL5 - DECIMAL6 - DECIMAL7 - DECIMAL8 - DECIMAL9 - DECIMAL10 - DIRECTORY_ENTITY - DOUBLE - INT8 - INT16 - INT32 - INT64 - INT128 - STRING10 - STRING20 - STRING30 - STRING40 - STRING50 - STRING100 - STRING200 - STRINGMAX - TIME - UINT8 - UINT16 - UINT32 - UINT64 - UINT128

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values	T []	The set of values is dynamic and depends on type and properties (optional). If *options.pick_list* is *true* see PropertyValue, otherwise the set of values depend on the *type*:

Metadata type	**T**
BINARY	PropertyBinaryValue
BOOL	Boolean
DATE	String - Date
DATE_TIME	String - DateTime
DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE	Double
DIRECTORY_ENTITY	DirectoryEntityLink
INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128	Int
STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX	String
TIME	String - Time

5.1.2.97 PropertyBinaryValue

Object provides information on »Binary« property value.

Definition

```
{
  "content" : "String - Base64",
  "content_type" : "String"
}
```

Fields

content	String - Base64	The content.
content_type	String	The content type.

5.1.2.98 PropertyOptions

Object provides information on entity property options.

Definition

```
{
   "append_only" : false,
   "included_in_aip" : false,
   "inherited" : false,
   "multi_value" : false,
   "non_empty" : false,
   "pick_list" : false,
   "public" : false,
   "read_only" : false,
   "read_only_after_check_in" : false,
   "read_only_after_create" : false,
   "required" : false,
   "searchable" : false,
   "unique" : false,
   "versionable" : false
}
```

Fields

append_only	Boolean	Entity property values can only append.
included_in_aip	Boolean	Entity property values are part of the archival information package.
inherited	Boolean	Entity property values are inherited from the parent entity.
multi_value	Boolean	Entity property has multiple values.
non_empty	Boolean	Entity property value can't be empty.
pick_list	Boolean	Entity property has multiple values.
public	Boolean	Entity property is publicly accessible to all users.
read_only	Boolean	Entity property value cannot be changed.
read_only_after_check_in	Boolean	Entity property is read only after new version creation.
read_only_after_create	Boolean	Entity property is read only after entity creation.
required	Boolean	Entity property value is mandatory.
searchable	Boolean	Entity property is searchable.
unique	Boolean	Entity property value must be unique.
versionable	Boolean	Entity property is versionable.

5.1.2.99 PropertyRights

Object provides information on entity property access rights.

Definition

```
{
  "create_access" : true,
  "delete_access" : true,
  "read_access" : true,
  "write_access" : true,
  "valid_from" : "String - DateTime",
  "valid_to" : "String - DateTime"
}
```

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Fields

create_access	Boolean	The right to create attributes property.
delete_access	Boolean	The right to delete attributes property.
read_access	Boolean	The right to read attributes property.
write_access	Boolean	The right to write attributes property.
valid_to	String - DateTime	The validity of the attribute property access rights from a given date and time (optional).
valid_from	String - DateTime	The validity of the attribute property access rights until a given date and time (optional).

5.1.2.100 PropertyValue

Object provides information on attribute property value.

Definition

```
{
  "key" : "String"
  "value" : T
}
```

Fields

key	String	The key attribute property value.
value	T	Attribute property value is dynamic. Set of the possible values based on the property type: - BINARY: See PropertyBinaryValue, - BOOL: Boolean, - DATE: See String - Date, - DATE_TIME: See String - DateTime, - DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE: Double, - DIRECTORY_ENTITY: See ObjectLink, - INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128: Int, - STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX: String, - TIME: See String - Time.

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5.1.2.101 RetentionPoliciesResponse

Object provides information on retention policies.

Definition

```
{
  "retention_policies" : [{
     "id" : "String",
     "name" : "String",
     "accessed" : "String - DateTime",
     "created" : "String - DateTime",
     "modified" : "String - DateTime",
     "action" : "String",
     "creator" : {
        "id" : "String",
        "uri" : "String - URI"
     },
     "description" : "String",
     "detailed_description" : "String",
     "reason" : "String",
     "trigger" : "String",
     "links" : [{
        "type" : "objects",
        "uri" : "String - URI"
     }
     ]
  }
  ]
}
```

Fields

retention_policies	RetentionPolicy []	The information on retention policies.

5.1.2.102 RetentionPolicy

Object provides information on retention policy.

Definition

```
{
   "id" : "String",
   "name" : "String",
   "accessed" : "String - DateTime",
   "created" : "String - DateTime",
   "modified" : "String - DateTime",
   "action" : "String",
   "creator" : {
      "id" : "String",
      "uri" : "String - URI"
   },
   "has_mandates" : true,
   "description" : "String",
   "detailed_description" : "String",
   "reason" : "String",
   "trigger" : "String",
   "links" : [{
      "type" : "objects",
      "uri" : "String - URI"
   }]
}
```

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Fields

id	String	Unique identifier of the entity retention policy.
name	String	The name of the entity retention policy.
accessed	String - DateTime	Date and time of the entity retention policy access.
created	String - DateTime	Date and time of the entity retention policy creation.
modified	String - DateTime	Date and time of the entity retention policy update.
action	String	Default action of the entity retention policy.
creator	ObjectLink	The author of the entity retention policy.
has_mandates	Boolean	Specifies whether the retention policy mandates exist.
description	String	A description of the entity retention policy.
detailed_description	String	A detailed description of the entity retention policy.
reason	String	The reason for entity retention policy creation.
trigger	String	Search string to determine a time frame of a entity retention period.
links	Link []	Links to the entity retention policy.

5.1.2.103 RetentionPolicyResponse

Object provides information on retention policy.

Definition

```
{
  "retention_policy" : {
     "id" : "String",
     "name" : "String",
     "accessed" : "String - DateTime",
     "created" : "String - DateTime",
     "modified" : "String - DateTime",
     "action" : "String",
     "creator" : {
        "id" : "String",
        "uri" : "String - URI"
     },
     "description" : "String",
     "detailed_description" : "String",
     "reason" : "String",
     "trigger" : "String",
     "links" : [{
        "type" : "objects",
        "uri" : "String - URI"
     }
  }]
}
```

Fields

retention_policy	RetentionPolicy	Entity retention policy information.

5.1.2.104 Review

Object provides information on review.

Definition

```
{
   "accessed" : "String - DateTime",
   "aip" : true,
   "comments" : "String",
   "created" : "String - DateTime",
   "creator" : {
      "email" : "String",
      "first_name" : "String",
      "icon_url" : "String - URI ",
      "id" : "String",
      "last_name" : "String",
      "type" : "String",
      "uri" : "String - URI"
   },
   "description" : "String",
   "documents" : [],
   "effective_rights" : {},
   "id" : "String",
   "items" : [],
   "keywords" : [],
   "members" : [],
   "message" : "String",
   "modified" : "String - DateTime",
   "opened" : "String - DateTime",
   "owner" : {
      "email" : "String",
      "first_name" : "String",
      "icon_url" : "String - URI ",
      "id" : "String",
      "last_name" : "String",
      "type" : "String",
      "uri" : "String - URI"
   },
   "retention_policies" : [],
   "state" : "String",
   "title" : "String"
}
```

Fields

accessed	String - DateTime	Date and time of the review access.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.
comments	String	The comment of the review.
created	String - DateTime	Date and time of the review creation.
creator	DirectoryEntityLink	The author of the review.
description	String	A description of the review (optional).
documents	EntityStub []	Documents of the review (optional).
effective_rights	EntityRights	Effective rights of the current user on the review.
id	String	Unique identifier of the review.
items	ReviewItemEntry []	The pages of the review (optional).

keywords	String []	Keywords of the review (optional).
members	String []	The review members (optional).
message	String	The review message.
modified	String - DateTime	Date and time of the review modification.
opened	String - DateTime	Date and time of the review open.
owner	DirectoryEntityLink	The owner of the review.
retention_policies	RetentionPolicy []	The retention policies of the review.
state	String	The review state.
title	String	The title of the review.

5.1.2.105 ReviewCreate

Object creates a review.

Definition

```
{
   "action" : "String",
   "comments" : "String",
   "description" : "String",
   "keywords" : [],
   "members" : [],
   "owner" : "String",
   "retention_policies" : [],
   "scope_id" : "String",
   "scope_id_type" : "String",
   "status" : {},
   "title" : "String",
   "query_expression" : "String"
}
```

Fields

Action	String	Default action of the review.
comments	String	The comments of the review (optional).
description	String	A description of the review (optional).
keywords	String []	Keywords of the review (optional).
members	String []	The review members (optional).
owner	String	The owner of the review (optional).
retention_policies	String []	The retention policies identifier (optional; if query_expression is present, this field must not be sent).
scope_id	String	The identifier of the entity (optional).

scope_id_type	String	Entity identifier type (optional). The set of values: - C - I (default value) - E.
status	InheritedStringProperty	The status of the review (optional).
title	String	The title of the review.
query_expression	String	The query expression (optional; if retention_policies is present, this field must not be sent).

5.1.2.106 ReviewCreateRequest

Object provides request to create the review.

Definition

```
{
   "review" : {
      "action" : "String",
      "comments" : "String",
      "description" : "String",
      "keywords" : [],
      "members" : [],
      "owner" : "String",
      "retention_policies" : [],
      "scope_id" : "String",
      "scope_id_type" : "String",
      "status" : {},
      "title" : "String",
      "query_expression" : "String"
   }
}
```

Fields

review	ReviewCreate	The review creation.

5.1.2.107 ReviewCreateHandleRequest

Object provides request to create the review.

Definition

```
{
   "retention_policies" : [],
   "scope_id" : "String",
   "scope_id_type" : "String",
   "query_expression" : "String"
}
```

Fields

retention_policies	String []	A collection of retention policies identifiers (optional; if query_expression is present, this field must not be sent).
scope_id	String	The identifier of the entity (optional).

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scope_id_type	String	The type of the entity identifier (optional). The set of values: - C - I (default value) - E.
query_expression	String	The query expression (optional; if retention_policies is present, this field must not be sent).

5.1.2.108 ReviewEntityStub

Object provides information on entity of the review page.

Definition

```
{
   "action" : "String ",
   "classification_code" : "String ",
   "id" : "String ",
   "reason" : "String",
   "title" : "String",
   "transfer_id" : "String",
   "transferred" : true,
   "type" : "String"
}
```

Fields

action	String	Entity action.
classification_code	String	Entity classification code.
id	String	Unique identifier of the entity.
reason	String	Reason.
title	String	The title of the entity.
transfer_id	String	Unique identifier of the transferred entity (optional).
transferred	Boolean	Specifies whether the entity was transferred (optional).
type	String	Entity type. The set of values: - CLASS - DOCUMENT - FOLDER.

5.1.2.109 ReviewEntityStubUpdate

Object updates entity of the review page.

Definition

```
{
  "action" : "String ",
  "comment" : "String ",
  "reason" : "String",
  "transfer_id" : "String",
  "transferred" : true
}
```

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Fields

action	String	Entity action (optional).
comment	String	The comment for the review (optional).
reason	String	Reason (optional).
transfer_id	String	Unique identifier of the transferred entity (optional).
transferred	Boolean	Specifies whether the entity was transferred (optional).

5.1.2.110 ReviewEntityStubUpdateRequest

Object provides request to update the entity of the review page.

Definition

```
{
  "entity" : {
     "action" : "String ",
     "comment" : "String ",
     "reason" : "String",
     "transfer_id" : "String",
     "transferred" : true
  }
}
```

Fields

entity	ReviewEntityStubUpdate	The entity of the review page information.

5.1.2.111 ReviewEntityStubResponse

Object provides information on entity of the review page.

Definition

```
{
   "entity" : {
      "action" : "String ",
      "classification_code" : "String ",
      "id" : "String ",
      "reason" : "String",
      "title" : "String",
      "transfer_id" : "String",
      "transferred" : true,
      "type" : "String"
   }
}
```

Fields

entity	ReviewEntityStub	The entity of the review page information.

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5.1.2.112 ReviewUpdate

Object provides information on entity update.

Definition

```
{
  "action" : "String",
  "comments" : "String",
  "description" : "String",
  "keywords" : [],
  "members" : [],
  "owner" : "String",
  "status" : {},
  "title" : "String"
}
```

Fields

action	String	Default action of the review.
comments	String	The comments of the review (optional).
description	String	A description of the review (optional).
keywords	String []	Keywords of the review (optional).
members	String []	The review members (optional).
owner	String	The owner of the review (optional).
status	InheritedStringProperty	The status of the review (optional, only in editing mode).
title	String	The title of the review.

5.1.2.113 ReviewUpdateRequest

Object provides request to update the review.

Definition

```
{
   "review" : {
      "action" : "String",
      "comments" : "String",
      "description" : "String",
      "keywords" : [],
      "members" : [],
      "owner" : "String",
      "status" : {},
      "title" : "String"
   }
}
```

Fields

review	ReviewUpdate	The review information.

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5.1.2.114 ReviewItem

Object provides information on review page.

Definition

```
{
   "accessed" : "String - DateTime",
   "created" : "String - DateTime",
   "id" : "String",
   "modified" : "String - DateTime",
   "title" : "String"
}
```

Fields

actions	String []	The actions of the review page.
entities	ReviewEntityStub []	The entities of the review page.
id	String	Unique identifier of the review page.
title	String	The title of the review page.

5.1.2.115 ReviewItemEntry

Object provides information on review page.

Definition

```
{
   "accessed" : "String - DateTime",
   "created" : "String - DateTime",
   "id" : "String",
   "modified" : "String - DateTime",
   "title" : "String"
}
```

Fields

accessed	String - DateTime	Date and time of the review access.
created	String - DateTime	Date and time of the review creation.
id	String	Unique identifier of the review page.
modified	String - DateTime	Date and time of the review modification.
title	String	The title of the review page.

5.1.2.116 ReviewItemResponse

Object provides information on review page.

Definition

```
{
  "item" : {
     "actions" : [],
     "entities" : [],
     "id" : "String",
     "title" : "String"
  }
}
```

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Fields

item	ReviewItem	The information on review page.

5.1.2.117 ReviewsResponse

Object provides information on reviews.

Definition

```
{
   "categories" : [],
"reviews" : [],
   "page_size" : 1,
   "page_start" : 0,
   "size" : 1
}
```

Fields

categories	Category []	Categories of the entity.
reviews	Review []	The information on reviews.
page_size	Integer	The review page size.
page_start	Integer	The beginning of the page.
size	Integer	The size of the reviews.

5.1.2.118 ReviewResponse

Object provides information on review.

Definition

```
{
  "review" : {
     "accessed" : "String - DateTime",
     "aip" : true,
     "comments" : "String",
     "created" : "String - DateTime",
     "creator" : {
        "email" : "String",
        "first_name" : "String",
        "icon_url" : "String - URI ",
        "id" : "String",
        "last_name" : "String",
        "type" : "String",
        "uri" : "String - URI"
     },
     "description" : "String",
     "documents" : [],
     "effective_rights" : {},
     "id" : "String",
     "items" : [],
     "keywords" : [],
     "members" : [],
     "message" : "String",
     "modified" : "String - DateTime",
     "opened" : "String - DateTime",
     "owner" : {
        "email" : "String",
        "first_name" : "String",
        "icon_url" : "String - URI ",
        "id" : "String",
        "last_name" : "String",
```

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```
        "type" : "String",
        "uri" : "String - URI"
      },
      "state" : "String",
      "title" : "String"
  }
}
```

Fields

review	Review	The review information.

5.1.2.119 SaveLogResponse

Object provides information on entity save log.

Definition

```
{
   "save_logs" : []
}
```

Fields

save_logs	String []	The entity save logs.

5.1.2.120 SearchEntity

Object provides information on entity search.

Definition

```
{
  "classification_code" : "String",
  "public_classification_code" : "String",
  "objects" : [{
     "description" : "String"
  }
  ],
  "id" : "String",
  "links" : [{
     "type" : "entity",
     "uri" : "String - URI"
     }, {
     "type" : "entity:stub",
     "uri" : "String - URI"
  }
  ],
  "title" : "String",
  "type" : "String - CLASS/FOLDER/DOCUMENT"
}
```

Fields

classification_code	String	The canonical form of the full classification code.
public_classification_code	String	Entity classification code in the classification scheme.
objects	SearchEntityObject []	Content objects in the entity search result.

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id	String	Unified identifier of the entity.
links	Link []	Links to the entity.
title	String	The title of the entity.
type	String	Entity types. The set of types: - CLASS, - FOLDER, - DOCUMENT.

5.1.2.121 SearchEntityObject

Object provides information on entity content objects search.

Definition

```
{
  "description" : "String"
}
```

Fields

description	String	A description of the entity object.

5.1.2.122 SearchResponse

Object provides information on entity search.

Definition

```
{
  "results" : [{
     "classification_code" : "String",
     "public_classification_code" : "String",
     "objects" : [{
        "description" : "String"
     }
     ],
     "id" : "String",
     "links" : [{
        "type" : "entity",
        "uri" : "String - URI"
        }, {
        "type" : "entity:stub",
        "uri" : "String - URI"
        }
     ],
     "title" : "String",
     "type" : "String - CLASS/FOLDER/DOCUMENT"
  }]
}
```

Fields

results	SearchEntity []	Entities in the search result.

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5.1.2.123 SessionCloseRequest

Object provides request to close the session.

Definition

```
{
  "token" : "String"
}
```

Fields

token	String	Unique identifier of the session (token).

5.1.2.124 SessionOpenRequest

Object provides request to open the session.

Definition

```
{
   "authentication" : {
      "username" : "String",
      "password" : "String",
      "ldap_password" : "String",
      "kerberos5_service_ticket" : "String - Base64"
   },
   "api_version" : 0,
   "computer_name" : "String",
   "application_name" : "String",
   "impersonate" : "String"
}
```

Fields

authentication	Authentication	The user authentication information.
api_version	Int	API version (optional).
computer_name	String	The name of the computer (optional).
application_name	String	The name of the application (optional).
impersonate	String	The username of the user being impersonated (optional).

5.1.2.125 SessionOpenResponse

Object provides response to open the session information request.

Definition

```
{
  "token" : "String",
  "api_version" : 1
}
```

Fields

token	String	Unique identifier of the session (token).
api_version	Int	API version.

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5.1.2.126 String - Date

Object represents a set of values: Date and time zone.

Format: "yyyy-MM-ddZ".

5.1.2.127 String - DateTime

Object represents a set of values: Date, time and time zone.

Format: "yyyy-MM-ddTHH:mm:ss.SSSZ".

5.1.2.128 String - Time

Object represents a set of values: Time and time zone.

Format: "HH:mm:ss.SSSZ".

5.1.2.129 SystemProperties

Object provides information on system properties.

Definition

```
"system_properties": {
  "title": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  },
  "description": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  },
  "keywords": {
```

```
      "id": "String",
      "description": "String",
      "type": "String",
      "options": {
         "append_only": false,
         "included_in_aip": false,
         "inherited": false,
         "multi_value": false,
         "non_empty": false,
         "pick_list": false,
         "public": false,
         "read_only": false,
         "required": false,
         "searchable": false,
         "unique": false
      }
   },
   "status": {
      "id": "String",
      "description": "String",
      "type": "String",
      "options": {
         "append_only": false,
         "included_in_aip": false,
         "inherited": false,
         "multi_value": false,
         "non_empty": false,
         "pick_list": false,
         "public": false,
         "read_only": false,
         "required": false,
         "searchable": false,
         "unique": false
      },
      "values": [
         "String"
      ]
   },
   "security_class": {
      "id": "String",
      "description": "String",
      "type": "String",
      "options": {
         "append_only": false,
         "included_in_aip": false,
         "inherited": false,
         "multi_value": false,
         "non_empty": false,
         "pick_list": false,
         "public": false,
         "read_only": false,
         "required": false,
         "searchable": false,
         "unique": false
      },
      "values": [
         "String"
      ]
   },
   "owner": {
      "id": "String",
      "description": "String",
      "type": "String",
      "options": {
         "append_only": false,
         "included_in_aip": false,
         "inherited": false,
         "multi_value": false,
         "non_empty": false,
         "pick_list": false,
         "public": false,
```

```
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "external_ids": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "opened": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "closed": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "creator": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
```

```
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "physical_properties": {
         "id": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "description": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "status": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            },
            "values": [
               "String"
            ]
         },
         "status_change": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
```

```
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "home_location": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "current_location": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "custodian": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "return_due": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
```

```
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      }
   },
   "email_properties": {
      "subject": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "from": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "to": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "cc": {
         "id": "String",
```

```
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "bcc": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "date": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "message_id": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "priority": {
```

```
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         },
         "values": [
            "String"
         ]
      },
      "signed": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      }
   },
   "significance": {
      "id": "String",
      "description": "String",
      "type": "String",
      "options": {
         "append_only": false,
         "included_in_aip": false,
         "inherited": false,
         "multi_value": false,
         "non_empty": false,
         "pick_list": false,
         "public": false,
         "read_only": false,
         "required": false,
         "searchable": false,
         "unique": false
      },
      "values": [
         "String"
      ]
   }
}
```


Fields

title	Property	The title of the entity.
description	Property	A description of the entity.

keywords	Property	Keywords of the entity.
status	Property	The status of the entity.
security_class	Property	The security class of the entity.
owner	Property	The owner of the entity.
external_ids	Property	The external identifiers of the entity.
opened	Property	Date and time of the entity status update to Opened.
closed	Property	Date and time of the entity status update to Closed.
creator	Property	The author of the entity
physical_properties	TemplatePhysicalProperties	Physical content properties.
email_properties	TemplateEmailProperties	Email properties.
significance	Property	The significance of the entity.

5.1.2.130 Template

Object provides information on template.

Definition

```
{
  "template": {
     "id": "String",
     "label": "String",
     "description": "String",
     "entity_count": 0,
     "entity_type": "String - CLASS/DOCUMENT/FOLDER/UNKNOWN",
     "properties": [{
           "name": "String",
           "description": "String",
           ... (see Property definition)
     ],
     "physical_properties": true,
     "email_properties": true,
     "versionable": true,
     "security_class_values": [
        "String"
     ],
     "status_values": [
        "String"
     ],
     "significance_values": [
        "String"
     ],
     "physical_property_status_values": [
        "String"
     ],
     "system_properties": {
        ... (see SystemProperties definition)
     }
  }
}
```

Fields

id	String	Unique identifier of the template.
label	String	The label of the template (optional).
description	String	A description of the template.
entity_count	Int	The number of entities where template is used.
entity_type	String	Entity type. The set of types: - "CLASS" - "FOLDER" - "DOCUMENT".
properties	Property []	Properties linked to the template.
physical_properties	Boolean	Specifies whether the template provides information on physical properties.
email_properties	Boolean	Specifies whether the template provides information on email properties.
versionable	Boolean	Specifies whether template is versionable.
security_class_values	String []	Set of the possible security class values for the template.
status_values	String []	Set of the possible status values for the template.
significance_values	String []	Set of the possible significance values for the template.
physical_property_status_values	String []	Set of the possible physical property status values for the template.
system_properties	SystemProperties	Set of system properties.

5.1.2.131 TemplateLink

Object provides information on template link.

Definition

```
{
 "entity_type" : "String",
 "id" : "String",
 "label" : "String",
 "uri" : "String"
}
```

Fields

entity_type	String	Entity type. The set of the entity types: - "CLASS" - "FOLDER" - "DOCUMENT".
id	String	Unique identifier of the template.
label	String	The label of the template (optional).
uri	String	The link to the template (optional).

5.1.2.132 TemplateEmailProperties

Object provides information on email properties.

Definition

```
{
  "subject": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  },
  "from": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  },
  "to": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
```

```
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "cc": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "bcc": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "date": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "message_id": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
```

```
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      },
      "priority": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         },
         "values": [
            "String"
         ]
      },
      "signed": {
         "id": "String",
         "description": "String",
         "type": "String",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "non_empty": false,
            "pick_list": false,
            "public": false,
            "read_only": false,
            "required": false,
            "searchable": false,
            "unique": false
         }
      }
   }
```


Fields

subject	Property	Email subject.
from	Property	Email address of the sender.
to	Property	Email addresses of the recipients.
cc	Property	Email addresses of the carbon copy recipients.
bcc	Property	Email addresses of the hidden recipients.
date	Property	Date and time email was sent or received.
message_id	Property	Automatically generated message identifier.
priority	Property	The priority status of the email.
signed	Property	A value that registers if the email message was electronically signed.

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5.1.2.133 TemplatePhysicalProperties

Object provides information on physical properties.

Definition

```
{
  "id": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  },
  "description": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  },
  "status": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     },
     "values": [
        "String"
     ]
  },
  "status_change": {
     "id": "String",
     "description": "String",
     "type": "String",
     "options": {
        "append_only": false,
        "included_in_aip": false,
```

```
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
    }
},
"home_location": {
    "id": "String",
    "description": "String",
    "type": "String",
    "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
    }
},
"current_location": {
    "id": "String",
    "description": "String",
    "type": "String",
    "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
    }
},
"custodian": {
    "id": "String",
    "description": "String",
    "type": "String",
    "options": {
        "append_only": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
    }
},
"return_due": {
    "id": "String",
    "description": "String",
    "type": "String",
    "options": {
        "append_only": false,
```

```
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": false,
        "read_only": false,
        "required": false,
        "searchable": false,
        "unique": false
     }
  }
}
```

Fields

id	Property	The identifier of the physical content.
description	Property	A description of the content.
status	Property	The status of the content.
status_change	Property	Date and time of the content status change.
home_location	Property	Home location of the content.
current_location	Property	Current location of the physical content.
custodian	Property	The custodian of the content.
return_due	Property	The return date of the issued content.

5.1.2.134 TemplateResponse

Object provides information on template.

Definition

```
{
  "template": {
     "id": "String",
     "description": "String",
     "entity_count": 0,
     "entity_type": "String - CLASS/DOCUMENT/FOLDER/UNKNOWN",
     "properties": [{
           "name": "String",
           "description": "String",
           "type": "String - T",
           "options": {
              "append_only": false,
              "included_in_aip": false,
              "inherited": false,
              "multi_value": false,
              "pick_list": false,
              "public": false,
              "read_only": false,
              "required": false,
              "searchable": false,
              "unique": false
           },
           "values": [{ // Optional
                 "key": "String",
                 "value": T
              }
           ]
        }
```

```
      ],
      "physical_properties": true,
      "email_properties": true,
      "security_class_values": [
         "String"
      ],
      "status_values": [
         "String"
      ],
      "significance_values": [
         "String"
      ],
      "physical_property_status_values": [
         "String"
      ]
   }
```

Fields

template	Template	The template information.

5.1.2.135 TemplatesResponse

Object provides information on templates.

Definition

```
{
  "templates": [{
        "id": "String",
        "description": "String",
        "entity_count": 0,
        "entity_type": "String - CLASS/DOCUMENT/FOLDER/UNKNOWN",
        "properties": [{
              "name": "String",
              "description": "String",
              "type": "String - T",
              "options": {
                 "append_only": false,
                 "included_in_aip": false,
                 "inherited": false,
                 "multi_value": false,
                 "pick_list": false,
                 "public": false,
                 "read_only": false,
                 "required": false,
                 "searchable": false,
                 "unique": false
              },
              "values": [{ // Optional
                    "key": "String",
                    "value": T
                 }
              ]
           }
        ],
        "physical_properties": true,
        "email_properties": true,
        "security_class_values": [
           "String"
        ],
        "status_values": [
           "String"
        ],
        "significance_values": [
           "String"
        ],
        "physical_property_status_values": [
```

```
            "String"
         ],
         "system_properties": {
            "title": {
               "id": "String",
               "description": "String",
               "type": "String",
               "options": {
                  "append_only": false,
                  "included_in_aip": false,
                  "inherited": false,
                  "multi_value": false,
                  "non_empty": false,
                  "pick_list": false,
                  "public": false,
                  "read_only": false,
                  "required": false,
                  "searchable": false,
                  "unique": false
               }
            },
            "description": {
               "id": "String",
               "description": "String",
               "type": "String",
               "options": {
                  "append_only": false,
                  "included_in_aip": false,
                  "inherited": false,
                  "multi_value": false,
                  "non_empty": false,
                  "pick_list": false,
                  "public": false,
                  "read_only": false,
                  "required": false,
                  "searchable": false,
                  "unique": false
               }
            },
            "keywords": {
               "id": "String",
               "description": "String",
               "type": "String",
               "options": {
                  "append_only": false,
                  "included_in_aip": false,
                  "inherited": false,
                  "multi_value": false,
                  "non_empty": false,
                  "pick_list": false,
                  "public": false,
                  "read_only": false,
                  "required": false,
                  "searchable": false,
                  "unique": false
               }
            },
            "status": {
               "id": "String",
               "description": "String",
               "type": "String",
               "options": {
                  "append_only": false,
                  "included_in_aip": false,
                  "inherited": false,
                  "multi_value": false,
                  "non_empty": false,
                  "pick_list": false,
                  "public": false,
                  "read_only": false,
                  "required": false,
```

```
                "searchable": false,
                "unique": false
            },
            "values": [
                "String"
            ]
        },
        "security_class": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            },
            "values": [
                "String"
            ]
        },
        "owner": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "external_ids": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "opened": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
```

```
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "closed": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "creator": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "physical_properties": {
            "id": {
                "id": "String",
                "description": "String",
                "type": "String",
                "options": {
                    "append_only": false,
                    "included_in_aip": false,
                    "inherited": false,
                    "multi_value": false,
                    "non_empty": false,
                    "pick_list": false,
                    "public": false,
                    "read_only": false,
                    "required": false,
                    "searchable": false,
                    "unique": false
                }
            },
            "description": {
                "id": "String",
                "description": "String",
                "type": "String",
                "options": {
```

```
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "status": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            },
            "values": [
                "String"
            ]
        },
        "status_change": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "home_location": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "current_location": {
```

```
                "id": "String",
                "description": "String",
                "type": "String",
                "options": {
                   "append_only": false,
                   "included_in_aip": false,
                   "inherited": false,
                   "multi_value": false,
                   "non_empty": false,
                   "pick_list": false,
                   "public": false,
                   "read_only": false,
                   "required": false,
                   "searchable": false,
                   "unique": false
                }
             },
             "custodian": {
                "id": "String",
                "description": "String",
                "type": "String",
                "options": {
                   "append_only": false,
                   "included_in_aip": false,
                   "inherited": false,
                   "multi_value": false,
                   "non_empty": false,
                   "pick_list": false,
                   "public": false,
                   "read_only": false,
                   "required": false,
                   "searchable": false,
                   "unique": false
                }
             },
             "return_due": {
                "id": "String",
                "description": "String",
                "type": "String",
                "options": {
                   "append_only": false,
                   "included_in_aip": false,
                   "inherited": false,
                   "multi_value": false,
                   "non_empty": false,
                   "pick_list": false,
                   "public": false,
                   "read_only": false,
                   "required": false,
                   "searchable": false,
                   "unique": false
                }
             }
          },
          "email_properties": {
             "subject": {
                "id": "String",
                "description": "String",
                "type": "String",
                "options": {
                   "append_only": false,
                   "included_in_aip": false,
                   "inherited": false,
                   "multi_value": false,
                   "non_empty": false,
                   "pick_list": false,
                   "public": false,
                   "read_only": false,
                   "required": false,
                   "searchable": false,
                   "unique": false
```

```
            }
         },
         "from": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "to": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "cc": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
               "unique": false
            }
         },
         "bcc": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": false,
               "read_only": false,
               "required": false,
               "searchable": false,
```

```
                "unique": false
            }
        },
        "date": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "message_id": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            }
        },
        "priority": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            },
            "values": [
                "String"
            ]
        },
        "signed": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
```

```
                    "public": false,
                    "read_only": false,
                    "required": false,
                    "searchable": false,
                    "unique": false
                }
            }
        },
        "significance": {
            "id": "String",
            "description": "String",
            "type": "String",
            "options": {
                "append_only": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "required": false,
                "searchable": false,
                "unique": false
            },
            "values": [
                "String"
            ]
        }
    }
  }
  ]
}
```

Fields

templates	Template []	The information on templates.

5.1.2.136 VersionsResponse

Object provides information on entity versions.

Definition

```
{
  "versions": [ ... ]
}
```

Fields

versions	EntityStub []	The information on versions.

5.1.3 Start page

IMiS®/Storage Connector Services REST enables integrating IMiS®/ARChive Server with applications via the HTTP 1.1 or 2.0 protocol. The start page is shown below.

Image 2: Start page of REST interface

5.1.4 Web.xml configuration

An example of web.xml configuration is given below.

Definition

```
<web-app>
  <context-param>
     <param-name>com.imis.storageconnector.services.config</param-name>
     <param-value>/etc/isc/config.xml</param-value>
  </context-param>
  <context-param>
     <param-name>com.imis.storageconnector.services.CORS.enabled</param-name>
     <param-value>true</param-value>
  </context-param>
</web-app>
```

Parameters

com.imis.storageconnector.services.config	String	Path to the configuration file (optional). Default value "/WEB-INF/config/config.xml".
com.imis.storageconnector.services.CORS.enabled	Boolean	Specifies whether CORS is enabled (optional). The default value is *true*.

5.1.5 Archive

Archive is an archive server that allows structured archiving of electronic content or content digitalized through scanning. At the same time, it enables storing metadata of archived content through structured attributes, connected in metadata schemes and defined in the frame of hierarchical entity templates.

All sets and objects that describe the operation with the archive server are classified under the REST interface »Archive«.

Operation with the archive is described below.

5.1.5.1 Archives read

Operation reads archive servers available to the user.

Request

GET archives.json

Response

See chapter ArchivesResponse

Response status

200 – Information retrieved successfully.

500 – Server error.

Example

An example of the archive servers available to the user.

Request

GET https://apps.imis.eu/scsvc/archives.json

Response

Definition

```
{
  "archives" : [{
     "id" : "IARC2017",
     "name" : "Archive 2017",
     "description" : "Company main archive 2017",
     "host" : "iarc2017.imis.si:16807",
     "uri" : "https://apps.imis.eu/scsvc/archives/IARC2017.json"
     }, {
     "name" : "Archive 2018",
     "description" : "Company main archive 2018",
     "host" : "iarc.imis.si:16807",
     "uri" : " https://apps.imis.eu/scsvc/archives/IARC.json"
     }
  ]
}
```

5.1.5.2 Archive read

Operation reads archive server, user roles and links to significant archive operations.

Request

GET archives/{archiveId}.json

Fields

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token] – See chapter Session

Response

See chapter ArchiveResponse

Response status

200 – Information retrieved successfully.

401 – Unauthorized, username and password are incorrect.

404 – Object not found.

500 – Server error.

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Example

An example of the archive read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "archive": {
     "administration_access": {
        "deleted_entities" : true,
        "deleted_queue" : true,
        "disposed_entities" : true,
        "export_logs" : true,
        "import_logs" : true,
        "reviews" : true
     },
     "capabilities": {
        "audit_query": true,
        "content_management": true,
        "import_export": true,
        "reports": true
     },
     "description": "Company main archive 2018",
     "effective_rights": {
        "read_access": true,
        "write_access": true,
        "move_access": true,
        "delete_access": true,
        "change_rights": true,
        "create_sub_entities": true,
        "create_references": true,
        "change_security_class": true,
        "change_status": true,
        "change_retention": true
     },
     "features": {
        "content_convert": true,
        "content_detach": true,
        "content_index": true,
        "content_move": true
     },
     "host": "iarc.imis.si:16807",
     "links": [{
           "type": "deleted",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/deleted.json"
        }, {
           "type": "disposed",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/disposed.json"
        }, {
           "type": "disposition_holds",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/disposition_holds.json"
        }, {
           "type": "directory",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/directory.json"
```

```
        }, {
           "type": "drafts",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/drafts.json"
        }, {
           "type": "entities",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/entities.json"
        }, {
           "type": "log:export",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/log/export.json"
        }, {
           "type": "log:import",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/log/import.json"
        }, {
           "type": "retention_policies",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/retention_policies.json"
        }, {
           "type": "reviews",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/reviews.json"
        }, {
           "type": "search",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/search.json"
        }, {
           "type": "templates",
           "uri": " https://apps.imis.eu/scsvc/archives/IARC/templates.json"
        }
     ],
     "name": "Archive 2018",
     "secure": true,
     "service_name": "IMiS/ARChive Storage Server",
     "service_version": 690
  }
}
```


5.1.5.3 Archive certificate read

Operation obtains the archive server certificate.

Request

GET archives/{archiveId}/certificate

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token] – See chapter Session

Response

Archive certificate.

Response type

application/x-x509-ca-cert

Response status

200 – Certificate read successfully.

401 - Unauthorized, username and password are incorrect.

404 – Certificate does not exist.

500 – Server error.

Example

An example of the certificate read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/certificate

Request header

Authorization: Bearer: d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
-----BEGIN CERTIFICATE-----
MIIDOjCCAiICCQDOA/zVxFLcTzANBgkqhkiG9w0BAQsFADBfMRcwFQYDVQQDDA5pYXJjOTguaW1pcy5zaTEQMA4GA1UECw
wHU2VydmVyczElMCMGA1UECgwcSU1pUy9BUkNoaXZlIFN0b3JhZ2UgU2VydmVyczELMAkGA1UEBhMCVVMwHhcNMTcwNDI4
MTM0NzIzWhcNMjcwNDI5MTM0NzIzWjBfMRcwFQYDVQQDDA5pYXJjOTguaW1pcy5zaTEQMA4GA1UECwwHU2VydmVyczElMC
MGA1UECgwcSU1pUy9BUkNoaXZlIFN0b3JhZ2UgU2VydmVyczELMAkGA1UEBhMCVVMwggEiMA0GCSqGSIb3DQEBAQUAA4IB
DwAwggEKAoIBAQC8Qwe0A7HFptN90sqM7SDgDDFaFyuWvEqPMEDsROu/fhHwe4EQ0l5jVfdEmSo+PUDfrjGyVlelBoRnHU
RBlK97tyjoRD2R5dYYM9yC9MzkcuL+OD1td7eOsO8m/Vg2MYUjK+z6IG3NhkoPC0swBdlXIUhZHMnNPITrb3Ivetknahq5
wCXiOzx5DIWhbsaHBoAZx5wim9QDj57XSqpDkG2mvu7uvm0vs8Bn3RsbSe7Zn3sDmw/lm1bw6I0NoHcmqcELwaEw9uFVra
xsfQhbqWdn6AzryI7ZvBua+Zp00IgZoKryUck+kRzURCTVvpq2cJV08zc1NjMOk80JjQD3k2pBAgMBAAEwDQYJKoZIhvcN
AQELBQADggEBAFReMIteuw1DeONOiI4+9SKovN3ypJAYVih4dgIht6OVPK8pt/b+cI/KuvvZqwcjx/VGvLmTGh8Mx0e3HR
xE5YoaRMuUCC/oR2veEs5VK918z0qlEKsysNfy5GSglOEB4IjtZ9rtHQdiKynvHY9TR0MSTT+wCnhb1VNni8yey6fRfNUa
mECsZloySkCDTDbDgf/+bAXa2ldO6mxpgWbj4gbdIpU7l5gftDFe+ajY3LLnWXAMUaSvvgIS1JlgeBFFut94ewWzbcK35T
Z4gKEKYJifr/nxF4w+L27f6KHajs0L2z0sw89t0XzRXSQ0eCrMjdVr
8DiWwP6zHRC6sHZQbgA=
-----END CERTIFICATE-----
```


5.1.6 Session

Session enables access to operations in which a session token is sent in the header of the request. The session is created and opened, and the user is authenticated. It remains valid until the user closes it or it expires after a certain period of inactivity, which can be set in the archive configuration.

Operation with sessions is described below.

5.1.6.1 Session open

Operation creates session and retrieves unique identifier. When the session is open, user authenticates and connects to the archive server.

Request

POST archives/{archiveId}/session/open.json

Request parameters

Fields

archiveId	String	Unique identifier of the archive.

Request content

See chapter SessionOpenRequest

Response

See chapter SessionOpenResponse

Response status

200 – OK, session opened.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 – Session not found.

500 – Server error.

Example

An example of the session open.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/session/open.json

Definition

```
{
  "authentication" : {
     "username" : "admin",
     "password" : "xxxxxx"
  }
}
```

Response

Definition

```
{
  "token" : "8f4fd2fb-0e02-4b1d-b7b6-ae9ec4fef67a",
  "api_version" : 1
}
```

5.1.6.2 Session close

Operation closes the session.

Request

POST archives/{archiveId}/session/close.json

Fields

archiveId	String	Unique identifier of the archive.

Request content

See chapter SessionCloseRequest

Response status

200 – OK, session closed.

400 – Bad request.

404 – Session not found.

500 - Server error.

Example

An example of the session close.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/session/close.json

Definition

```
{
  "token" : "f9060203-7a7f-442d-95e3-34886a92694b"
}
```

Response status

200 – OK, session closed.

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5.1.7 Entity

An entity is an independent container of data and content that represents a logical integrity of information. Each entity is determined by: type, classification code, system attributes and entity specific properties.

Operation with entities is described below.

5.1.7.1 Entity resource location

Address

archives/{archiveId}/entities/{entityIdKind}:{id}

Fields

archiveId	String	Unique identifier of the archive.
entityIdKind	String	Entity identifier type. The set of values: - C: Classification code in the canonical form. - E: External identifier of the entity. - I: Internal identifier of the entity. - H: Temporary identifier of the open entity (handle).
id	String	Unique identifier of the entity.

Note:

If the path "/archives/{archiveId}/entities/{C/E/I/H}:{id}/...." exists, a call is possible even without the identifier type "/archives/{archiveId}/entities/{id}/....". In that case, the identifier type is I – Internal.

The only exception applies to "GET archives/{archiveId}/entities/H:{id}/close.json",

where the "GET archives/{archiveId}/entities/{id}/close.json" identifier type is H – Handle.

5.1.7.2 Entity read

The operation obtains an entity collection or a collection of subordinated entities at the root of the archive. With request parameters we can control the entity information sets and the paging of the entity collection. Paging works with pageStart and pageSize parameters.

The operation returns an empty collection if there are no more entities after the specified pageStart value. If paging parameters are not given, the whole collection is returned.

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Request

GET archives/{archiveId}/entities.json

Entities read on the archive root.

and

GET archives/{archiveId}/entities/{id}/entities.json

Child entity collection read.

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/entities.json

Child entities read. Set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request parameters

If filter is not set, basic entity information are: *id*, *title*, *description*, *type*, *classification_code*, *public_classification_code*, *status*, and links are of the type: *entity* and *entity:stub*.

filter	String	Filter defines the scope of the entity information (optional). The set of values: - all: All public information and links to the entities. - links: Links to the entities. - props: Public information on entity properties. - templates: Templates for child entities creation.
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than entity information is created again; otherwise information is created only first time. Parameter is taken into the account when pageStart in pageSize parameters are present (optional).
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code of the entity (default value). - »sys:Creator«: The creator of the entity. - »sys:Owner«: The owner of the entity. - »sys:Opened«: Date and time of the entity status change to Opened.

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		- »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - unique identifier of the property.
sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.
categoryProperties	String	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

Response

See chapter EntitiesResponse

Response status

200 – Entities read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entities read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/I:YQM1ixP8TAOZOQabg-OSRxLf9mrLAFHJt9YDVRK5xNs/entities.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

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Response

Definition


```
{
  "categories" : [],
  "entities" : [{
     "classification_code" : "C=147^D=00001",
     "id" : "Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E",
     "links" : [{
        "type" : "entity",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV
9E.json"
        }, {
        "type" : "entity:stub",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV
9E/stub.json"
        }
        ],
     "public_classification_code" : "147/00001"
     "title" : "Imaging Systems Daily Summary for July 27th",
     "type" : "DOCUMENT"
     }, {
     "classification_code" : "C=147^D=00002",
     "description" : "Daily Summary July",
        "id" : "Y7UiszrpzfCYpUoCA4cvM90XiNLZI1J2tDCHbslVvEo",
        "links" : [{
           "type" : "entity",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:Y7UiszrpzfCYpUoCA4cvM90XiNLZI1J2tDCHbslVv
Eo.json"
        }, {
           "type" : "entity:stub",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:Y7UiszrpzfCYpUoCA4cvM90XiNLZI1J2tDCHbslVv
Eo/stub.json"
        }
        ],
        "public_classification_code" : "147/00002",
        "title" : "Imaging Systems Daily Summary for July 28th",
        "type" : "DOCUMENT"
     }
  ],
  "page_size" : 1,
  "page_start" : 0,
  "size" : 100
}
```


5.1.7.3 Entity public information read

Operation reads an entity public information.

Request

GET archives/{archiveId}/entities/{id}/stub.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/stub.json

The set of entityIdKind values: C, E, I.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityStubResponse

Example

An example of the entity public information read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/I:NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/stub.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "entity_stub" : {
     "accessed" : "2018-11-05T14:17:59.929+02:00",
     "aip" : true,
     "categories" : [],
     "child_count" : 0,
     "classification_code" : "C=164^C=13^C=063",
     "created" : "2018-09-05T13:54:25",
     "creator" : {
        "email" : "marco.welch@acme.com",
        "first_name" : "Marco",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch/avatar",
        "id" : "marcowelch",
        "last_name" : "Welch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch.json"
     },
     "draft" : false,
     "description" : "Employees, salary, payroll, pension, promotions, awards",
     "effective_entity_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_references" : true,
        "create_sub_entities" : true,
        "change_security_class" : true,
        "change_status" : true,
```

```
        "change_retention" : true
     },
     "external_ids" : [],
     "has_draft" : false,
     "has_references" : true,
     "has_versions" : false,
     "id" : "NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0",
     "keywords" : [
        "staff_appointmens",
        "employee_records",
        "promotion_tenure",
        "awards_recognition",
        "pension_benefits",
        "salary_payroll"
     ],
     "links" : [{
        "type" : "entity:acl",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/acl.json"
        }, {
        "type" : "entity:audit_log",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/audit_log.json"
        }, {
        "type" : "nonrepudiation",
        "uri" : "
https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/
nonrepudiation.json"
        }, {
        "type" : "search",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/search.json"
        }, {
        "type" : "parent",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/BUYeEoFc7P8aoMXUMaZXeDRGZwaajdAy9dYhd0OdNB8
/stub.json"
        }, {
        "type" : "entity#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
.json"
        }, {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
.json"
        }, {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/status.json"
        }, {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/security_class.json"
        }, {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/move.json"
        }, {
        "type" : "entity",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
.json"
        }
```

```
      ],
      "modified" : "2018-09-05T13:54:25.466+02:00",
      "opened" : "2018-09-05T13:54:25.466+02:00",
      "owner" : {
         "email" : "marco.welch@acme.com",
         "first_name" : "Marco",
         "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch/avatar",
         "id" : "marcowelch",
         "last_name" : "Welch",
         "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch.json"
      },
      "permanent" : false,
      "properties" : [{
         "description" : "Non mandatory date of verification",
         "label" : "Verification date",
         "id" : "Verification date",
         "options" : {
            "append_only" : false,
            "included_in_aip" : true,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
         },
         "type" : "DATE",
         "values" : [
            "2018-06-27+02:00"
         ],
      }
      ],
      "public_classification_code" : "164.13.063",
      "retention" : {
         "policies" : [{
            "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
            "name" : "10 years",
            "description" : "Dispose after 10 years",
            "explicit_context" : {
               "scope" : "DENY",
               "filter" : {
                  "classes" : false,
                  "folders" : true,
                  "documents" : false
               },
               "effective" : false
               },
            "inherited_context" : [{
               "scope" : "ALLOW",
               "filter" : {
                  "classes" : true,
                  "folders" : false,
                  "documents" : false
               },
               "effective" : true
               }
               ],
               "links" : [{
                  "type" : "retention_policy#edit",
                  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
                  }, {
```

```
                  "type" : "retention_policy#delete",
                  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
               }
               ]
            }
         ],
         "disposition_holds" : [{
            "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7R
fvhIeeGZY.json",
            "name" : "Permanent hold",
            "description" : "Description of hold for permanent entitites",
            "links" : [{
               "type" : "disposition_hold#delete",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json"
            }
            ]
         }
         ]
      },
      "security_class" : {
         "inherited" : false,
         "value" : "Secret"
      },
      "significance" : {
         "inherited" : false,
      },
      "status" : {
         "inherited" : false,
         "value" : "Closed"
      },
      "sub_entity_templates" : [],
      "template" : {
         "entity_type" : "CLASS",
         "id" : "Class",
         "label" : "Class",
         "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
      },
      "title" : "Human resources and Payroll",
      "type" : "CLASS"
   }
}
```


5.1.7.4 Entity open

Operation opens an entity for reading and returns a unique identifier of the open entity, which carry out different operations (where the value of *entityIdKind* can equal to H).

<u>Request</u>

GET archives/{archiveId}/entities/{id}/open.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/open.json

The set of entityIdKind values: C, E, I.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityOpenResponse

Example

An example of the entity open.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=72^D=00024/open.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition

```
{
  "handle" : "b94491ee-55ea-4085-8dab-200a81356191"
}
```

5.1.7.5 Entity edit

Operation opens an entity for reading and writing and returns a unique identifier of the open entity, which carry out different operations (where the value of *entityIdKind* can equal to H).

Request

GET archives/{archiveId}/entities/{id}/edit.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/edit.json

The set of entityIdKind values: C, E, I.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityOpenResponse

Example

An example of the entity update.

Request

GET http://apps.imis.eu/scsvc/archives/IARC/entities/C:C=72^D=00024/edit.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition

```
{
  "handle" : "cc4221a5-f231-4180-b91c-9def998527dd"
}
```

5.1.7.6 Entity create

Operation creates an entity for reading and editing, and returns a unique identifier of the open entity, which carries out different operations (where the value of entityIdKind can equal H).

The entity is saved on attribute change (see chapter Entity update).

Request

GET archives/{archiveId}/create.json

and

GET archives/{archiveId}/entities/{id}/create.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/create.json

The set of entityIdKind values: C, E, I.

Request parameters

template	String	The template of the entity.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityOpenResponse

Example

An example of the entity create.

Request

GET http://apps.imis.eu/scsvc/archives/IARC/create.json?template=Class

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition

```
{
  "handle" : "cc4221a5-f231-4180-b91c-9def998527dd"
}
```

5.1.7.7 Entity close

The operation closes an open entity. The entity is closed with an obtained session token when opening it for reading or editing or creating. When the entity is closed, the answer is without content and the success of the operation is demonstrated with the status of the answer.

Request

GET archives/{archiveId}/entities/{handle}/close.json

and

GET archives/{archiveId}/entities/H:{handle}/close.json

Request header

Authorization: Bearer [session token]

Response status

200 – Open entity closed successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity close.

Request

GET http://apps.imis.eu/scsvc/archives/IARC/entities/H:cc4221a5-f231-4180-b91c-9def998527dd/close.json

Request header

Authorization:Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response status

200 – Open entity closed successfully.

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5.1.7.8 Entity read

Operation reads an entity information. In addition to the publicly available data, data on physical archive and email is available, if it exists.

Request

GET archives/{archiveId}/entities/{id}.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}.json

The set of entityIdKind values: C, E, I, H.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityResponse

Example

An example of the entity read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC98/entities/I:EgNBsFXQy-GZIXaDGET6HwMo4f8KslamaEM3gt5QbqA.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

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Response

Definition


```
{
  "entity" : {
     "accessed" : "2018-11-02T16:41:14.057+01:00",
     "aip" : true,
     "categories" : [],
     "child_classification_code_generated" : "true",
     "child_count" : 1,
     "classification_code" : "C=164^C=15",
     "closed" : "2016-07-15T13:23:12.007+2:00",
     "created" : "2016-07-11T16:43:03.262+2:00",
     "creator" : {
        "email" : "grace.layton@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
        "id" : "gracelayton",
        "last_name" : "Layton",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
     },
     "description" : "",
     "draft" : false,
     "effective_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_references" : true,
        "create_sub_entities" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true
     },
     "external_ids" : [
        "externalId61"
     ],
     "has_draft" : false,
     "has_references" : true,
     "has_versions" : false,
     "id" : "EgNBsFXQy-GZlXaDGET6HwMo4f8KslamaEM3gt5QbqA",
     "keywords" : [
        "planning",
        "control",
        "work_organization",
        "procurement",
        "manufacturing",
        "quality",
        "maintenence"
     ],
     "links" : [{
        "type" : "entity:acl",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/acl.json"
        }, {
        "type" : "entity:audit_log",
        "uri" : "
https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0a
b256a668433782de506ea0.json"
        }, {
        "type" : "entities",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/entities.json"
        }, {
        "type" : "nonrepudiation",
```

```
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/nonrepudiation.json"
        }, {
        "type" : "search",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/search.json"
        }, {
        "type" : "parant",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/I:pkb-
hHfEVShBrCylMmrEHixb7jJPxrmbOiRMkLuuHh0.json"
        }, {
        "type" : "entity:stub",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/stub.json"
        }, {
        "type" : "entity#edit",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0a
b256a668433782de506ea0.json"
        }, {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0.json"
        }, {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/status.json"
        }, {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/security_class.json"
        }, {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/move.json"
        }
     ],
     "modified" : "2018-07-11T16:43:03.262+02:00",
     "modified_by" : {
        "email" : "grace.layton@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
        "id" : "gracelayton",
        "last_name" : "Layton",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
     }
     "opened" : "2018-07-11T16:43:03.262+02:00",
     "owner" : {
        "email" : "grace.layton@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
        "id" : "gracelayton",
        "last_name" : "Layton",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
     },
     "parent_id" : "pkb-hHfEVShBrCylMmrEHixb7jJPxrmbOiRMkLuuHh0",
     "permanent" : false,
     "properties" : [{
        "description" : "Non mandatory date of verification",
        "label" : "Verification date",
        "id" : "Verification date",
        "options" : {
           "append_only" : false,
           "included_in_aip" : true,
```

```
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
         },
         "type" : "DATE",
         "values" : [
            "2018-06-27+2:00"
         ],
         }
      ],
      "public_classification_code" : "164.15"
      "retention" : {
         "policies" : [{
            "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
            "name" : "10 years",
            "description" : "Dispose after 10 years",
            "explicit_context" : {
               "scope" : "ALLOW",
               "filter" : {
                  "classes" : true,
                  "folders" : false,
                  "documents" : true
               },
               "effective" : true
            },
            "inherited_context" : [{
               "scope" : "ALLOW",
               "filter" : {
                  "classes" : true,
                  "folders" : false,
                  "documents" : false
               },
                  "effective" : true
               }
            ],
            "links" : [{
               "type" : "retention_policy#edit",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/120341b055d0cbe1999576831844fa1f0328e1ff0ab
256a668433782de506ea0/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
            }, {
               "type" : "retention_policy#delete",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I20341b055d0cbe1999576831844fa1f0328e1ff0ab
256a668433782de506ea0/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
               }
            ]
            }
         ],
         "disposition_holds" : [{
            "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T
27QH8sQC4.json",
            "name" : "Permanent hold",
            "description" : "Entity is on permanent hold",
            "links" : [{
               "type" : "disposition_hold#delete",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/120341b055d0cbe1999576831844fa1f0328e1ff0ab
256a668433782de506ea0/retention/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.
json"
```

```
                }
            ]
            }
        },
    },
    "security_class" : {
        "inherited" : false,
        "value" : "Top Secret"
    },
    "significance" : {
        "inherited" : false,
        "value" : "Vital"
    },
    "status" : {
        "inherited" : false,
        "value" : "Closed"
    },
    "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
    },
    "title" : "Supply Chain Management",
    "type" : "CLASS"
  }
}
```


5.1.7.9 Entity create

Operation creates an entity under the selected entity or archive root.

Request

POST archives/{archiveId}.json

Create an entity on under the archive root.

and

POST archives/{archiveId}/entities/{id}.json

Create an entity under the selected entity.

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}.json

Create an entity under the selected entity. The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Content-Type: application/json

Request content

See chapter EntityCreateRequest

Response

See chapter EntityResponse

Response status

200 – Entity created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity create.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/entities/5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Content-Type: application/json

Request content

Definition

```
{
  "entity_create" : {
     "categories" : [
        "banking"
     ],
     "description" : "",
     "keywords" : [
        "accounts_payable",
        "accounts_receiveable",
        "banking",
        "budgeting",
        "payments"
     ],
     "owner" : "johnsmith",
     "properties" : [{
```

```
            "id" : "Verification date",
            "values" : ["2018-06-27+09:00"]
         }, {
            "id" : "Validation date",
            "values" : ["2018-06-27T12:12:00.000+1:00"]
         }
      ],
      "template" : "Class",
      "title" : "Finance"
   }
}
```


Response

Definition


```
{
  "entity" : {
     "accessed" : "2018-11-03T10:19:33.817+01:00",
     "aip" : true,
     "categories" : [],
     "child_classification_code_generated" : true,
     "child_count" : 0,
     "classification_code" : "C=196^C=23",
     "created" : "2018-11-03T10:29:33.817+01:00",
     "creator" : {
        "email" : "john.smith@acme.com",
        "first_name" : "John",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith/avatar",
        "id" : "johnsmith",
        "last_name" : "Smith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith.json"
     },
     "description" : "",
     "draft" : false,
     "effective_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_references" : true,
        "create_sub_entities" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true
     },
     "external_ids" : [],
     "has_draft" : false,
     "has_references" : true,
     "has_versions" : false,
     "id" : "WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg",
     "keywords" : [
        "accounts_payable",
        "accounts_receiveable",
        "banking",
        "payments"
     ],
     "links" : [{
        "type" : "entity:acl",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/acl.json"
        }, {
        "type" : "entity:audit_log",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/audit_log.json"
        }, {
```

```
        "type" : "nonrepudiation",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/nonrepudiation.json"
        }, {
        "type" : "search",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/search.json"
        }, {
        "type" : "parent",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
.json"
        }, {
        "type" : "entity:stub",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/stub.json"
        }, {
        "type" : "entity#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
.json"
        }, {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
.json"
        }, {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/status.json"
        }, {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/security_class.json"
        }, {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/move.json"
        }
     ],
     "modified" : "2018-11-03T10:29:33.817+01:00",
     "opened" : "2018-11-03T10:29:33.817+01:00",
     "owner" : {
        "email" : "john.smith@acme.com",
        "first_name" : "John",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith/avatar",
        "id" : "johnsmith",
        "last_name" : "Smith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith.json"
     },
     "parent_id" : "g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s",
     "permanent" : false,
     "properties" : [{
        "id" : "Verification date",
        "description" : "Non mandatory date of verification",
        "type" : "DATE",
        "options" : {
           "append_only" : false,
           "included_in_aip" : true,
           "inherited" : false,
           "multi_value" : false,
           "non_empty" : false,
           "pick_list" : false,
           "public" : true,
           "read_only" : false,
```

```
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
         },
         "values" : [
            "2016-06-27+09:00"
         ],
         "effective_rights" : {
            "read_access" : true,
            "write_access" : true,
            "create_access" : true,
            "delete_access" : true
         }
      } {
         "id" : "Validation date",
         "description" : "Non mandatory validation date",
         "type" : "DATE",
         "options" : {
            "append_only" : false,
            "included_in_aip" : true,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
         },
         "values" : [
            "2016-06-27T12:12:00.000+01:00"
         ]
      }
      ],
      "public_classification_code" : "196.23"
      "retention" : {
         "policies" : [{
            "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
            "name" : "10 years",
            "description" : "Dispose after 10 years",
            "inherited_context" : {
               "scope" : "ALLOW",
               "filter" : {
                  "classes" : true,
                  "folders" : false,
                  "documents" : false
               },
               "effective" : true
            },
            "links" : [{
               "type" : "retention_policy#edit",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=196%5EC=23/retention/policies/AywTRqKde
tY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
               }, {
               "type" : "retention_policy#delete",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=196%5EC=23/retention/policies/AywTRqKde
tY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
            }
            ]
         }
         ],
```

```
        "disposition_holds" : [{
           "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T
27QH8sQC4.json",
           "name" : "Permanent hold",
           "description" : "Description of hold for permanent entitites",
           "links" : [{
              "type" : "disposition_hold#delete",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=196%5EC=23/retention/disposition_holds/
pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.json"
           }
           ]
        }
        ]
     },
     "security_class" : {
        "inherited" : true,
        "value" : "Top secret"
     },
     "significance" : {
        "inherited" : true,
     },
     "status" : {
        "inherited" : true,
        "value" : "Opened"
     },
     "sub_entities_templates" : [{
           "entity_type" : "CLASS",
           "id" : "Class",
           "label" : "Class",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
        }, {
           "entity_type" : "FOLDER",
           "id" : "Case",
           "label" : "Case",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Case.json"
        }, {
           "entity_type" : "DOCUMENT",
           "id" : "Document",
           "label" : "Document",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Document.json"
        }, {
           "entity_type" : "DOCUMENT",
           "id" : "Email",
           "label" : "Email",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Email.json"
        }
     ],
     "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
     },
     "title" : "Administration",
     "type" : "CLASS"
  }
}
```

5.1.7.10 Entity delete

Operation deletes an entity.

Request

DELETE archives/{archiveId}/entities/{id}.json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request parameters

reason	String	The reason for entity deletion.
description	String	A description of the deleted entity (optional).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Response status

200 – Entity deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity delete.

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/I:GNKjyIwN7onZfFJEm-nns0dUEtvEQOGvC-RUxtCgu4w.json?reason=test&description=opis

Response status

200 – Entity deleted successfully.

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5.1.7.11 Entity update

Operation updates an entity attributes.

Request

PUT archives/{archiveId}/entities/{id}.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}.json

The set of entityIdKind values: C, E, I, H.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityUpdateRequest

Response

See chapter EntityResponse

Response status

200 – Entity changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

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Example

An example of the entity change.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "entity_update": {
     "description": "Company documentation, Correspondence, Organization",
     "keywords": [
        "company",
        "documentation",
        "correspondence",
        "organization"
     ],
     "owner": "gracelayton",
     "title": "Administration"
  }
}
```

Response

Definition

```
{
  "entity" : {
     "accessed" : "2018-11-07T16:07:22.728+01:00",
     "aip" : true,
     "child_classification_code_generated" : true,
     "child_count" : 30,
     "classification_code" : "C=196",
     "created" : "2018-09-13T11:13:50.219+02:00",
     "creator" : {
        "email" : "grace.layton@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
        "id" : "gracelayton",
        "last_name" : "Layton",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
     },
     "description" : "Company documentation, Correspondence, Organization",
     "effective_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_references" : true,
        "create_sub_entities" : true,
        "change_security_class" : true,
        "change_status" : true,
```

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```
        "change_retention" : true
     },
     "external_ids" : [],
     "id" : "g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s",
     "keywords" : [
        "company",
        "documentation",
        "correspondence",
        "organization"
     ],
     "links" : [{
        "type" : "entity:acl",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/acl.json"
        }, {
        "type" : "entity:audit_log",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/audit_log.json"
        }, {
        "type" : "entities",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/audit_log.json"
        }, {
        "type" : "nonrepudiation",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/nonrepudiation.json"
        }, {
        "type" : "search",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/search.json"
        }, {
        "type" : "entity:stub",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/stub.json"
        }, {
        "type" : "entity#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
.json"
        }, {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
.json"
        }, {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/status.json"
        }, {
        "type" : "entity:security_class#edit",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s/
security_class.json

        }, {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/move.json"
        }
     ],
     "modified" : "2016-11-07T16:07:22.728+01:00",
     "opened" : "2016-09-13T12:55:42.003+2:00",
     "owner" : {
```

```
        "email" : "grace.layton@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
        "id" : "gracelayton",
        "last_name" : "Layton",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
     },
     "permanent" : false,
     "properties" : [{
        "id" : "Verification date",
        "description" : "Non mandatory date of verification",
        "type" : "DATE",
        "options" : {
           "append_only" : false,
           "included_in_aip" : true,
           "inherited" : false,
           "multi_value" : false,
           "non_empty" : false,
           "pick_list" : false,
           "public" : true,
           "read_only" : false,
           "read_only_after_check_in" : false,
           "read_only_after_create" : false,
           "required" : false,
           "searchable" : true,
           "unique" : false,
           "versionable" : false
        },
        "values" : [
           "2018-06-27Z"
        ],
        "effective_rights" : {
           "create_access" : true,
           "delete_access" : true,
           "read_access" : true,
           "write_access" : true,
        },{
        "id" : "Validation date",
        "description" : "Non mandatory validation date",
        "type" : "DATE",
        "options" : {
           "append_only" : false,
           "included_in_aip" : true,
           "inherited" : false,
           "multi_value" : false,
           "non_empty" : false,
           "pick_list" : false,
           "public" : true,
           "read_only" : false,
           "read_only_after_check_in" : false,
           "read_only_after_create" : false,
           "required" : false,
           "searchable" : true,
           "unique" : false,
           "versionable" : false
        },
        "values" : [
           "2018-09-20T21:40:00.000Z"
        ]
        }
     ],
     "public_classification_code" : "196",
     "retention" : {
        "policies" : [{
           "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
           "name" : "10 years",
           "description" : "Dispose after 10 years",
           "explicit_context" : {
```

```
              "scope" : "ALLOW",
              "filter" : {
                 "classes" : true,
                 "folders" : false,
                 "documents" : false
              },
              "effective" : true
              },
           "inherited_context" : [],
              "links" : [{
                 "type" : "retention_policy#edit",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
                 }, {
                 "type" : "retention_policy#delete",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
                 }
              ]
           }
        ],
        "disposition_holds" : [{
           "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T
27QH8sQC4.json",
           "name" : "Permanent hold",
           "description" : "Description of hold for permanent entitites",
           "links" : [{
                 "type" : "disposition_hold#delete",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmi59IyuBKPyHN_kTGTX8kIGl9s
/retention/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.json"
           }
           ]
        }
        ]
     },
     "security_class" : {
        "inherited" : false,
        "value" : "Top Secret"
     },
     "significance" : {
        "inherited" : true,
     },
     "status" : {
        "inherited" : false,
        "value" : "Opened"
     },
     "sub_entity_templates" : [{
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "id" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
     }
     ],
     "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
     },
     "title" : "Administration",
     "type" : "CLASS"
  }
}
```

5.1.7.12 Entity status change

Operation change the entity status.

Request

PUT archives/{archiveId}/entities/{id}/status.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/status.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityStatusUpdateRequest

Response

See chapter EntityStatusUpdateResponse

Response status

200 – Entity status changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity status change to »Inherited«.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=164^C=06/status.json

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Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "status" : {
     "inherited" : true
  },
  "reason" : "Status check"
}
```

Response

Definition

```
{
  "status" : {
     "inherited" : true,
     "value" : "Opened"
  }
}
```

Example

An example of the entity status change to »Closed«.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=164^C=06/status.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "status" : {
     "value" : "Closed"
  },
  "reason" : "Status check"
}
```

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Response

Definition

```
{
  "status" : {
     "inherited" : false,
     "value" : "Closed"
  }
}
```

5.1.7.13 Entity security class change

Operation change the entity security class.

Request

PUT archives/{archiveId}/entities/{id}/security_class.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/security_class.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntitySecurityClassUpdateRequest

Response

See chapter EntitySecurityClassUpdateResponse

Response Status

200 – Entity security class changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

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Example

An example of the entity security class change to »Inherited«.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=164^C=06/security_class.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "security_class" : {
     "inherited" : true
  },
  "reason" : "Security class check"
}
```

Response

Definition

```
{
  "security_class" : {
     "inherited" : true
  }
}
```

Example

An example of the entity security class change to »Top Secret«.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=164^C=06/security_class.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

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Request content

Definition

```
{
  "security_class" : {
     "value" : "Top Secret"
  },
  "reason" : "Security class check"
}
```

Response

Definition

```
{
  "security_class" : {
     "inherited" : false,
     "value" : "Top Secret"
}
```

5.1.7.14 Entity retention policy create

Operation creates an entity retention policy.

Request

POST archives/{archiveId}/entities/{id}/retention/policies.json

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityRetentionPoliciesRequest

Response

See chapter EntityRetentionPoliciesResponse

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Response status

200 - Entity retention policies created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the retention policies create.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/retention/policies.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "retention_policies" : [{
     "id" : "Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE",
     "scope" : "ALLOW",
     "filter" : {
        "classes" : true,
        "folders" : true
     }
  }
  ]
}
```

Response

Definition

```
{
  "retention_policies" : [{
     "id" : "Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE",
     "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/Pqc5zK58VmPaRlQ-
pIaVhOV15shGuLwvS4OvEkzd3JE.json",
     "name" : "5 years",
     "description" : "Retention 5 years after entity was closed",
     "explicit_context" : {
        "scope" : "ALLOW",
        "filter" : {
           "classes" : true,
           "folders" : true,
           "documents" : false
        },
        "effective" : false
```

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```
      },
      "inherited_context" : [],
      "links" : [{
         "type" : "retention_policy#edit",
         "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/C:C=191/retention/policies/Pqc5zK58VmPaRl
Q-pIaVhOV15shGuLwvS4OvEkzd3JE.json"
         }, {
         "type" : "retention_policy#delete",
         "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/C:C=191/retention/policies/Pqc5zK58VmPaRl
Q-pIaVhOV15shGuLwvS4OvEkzd3JE.json"
         }
         ]
   }
   ]
}
```


5.1.7.15 Entity retention policy change

Operation changes an entity retention policy.

Request

PUT archives/{archiveId}/entities/{id}/retention/policies/{idRetentionPolicy}.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies/

{idRetentionPolicy}.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityRetentionPolicyEntryRequest

Response

See chapter EntityRetentionPolicyEntryResponse

Response status

200 - Entity retention policy changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity retention policy change.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfade77759476b79/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "retention_policy": {
     "scope": "DENY",
     "filter": {
        "documents" : true
     }
  }
}
```

Response

Definition

```
{
  "retention_policy": {
     "id": "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
     "uri":
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
     "name": "10 years",
     "description": "Dispose after 10 years",
     "explicit_context": {
        "scope": "DENY",
        "filter": {
           "classes" : false,
           "folders" : false,
           "documents" : true
```

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```
        }
        "effective": false
     },
     "inherited_context": [
        {
        "scope": "ALLOW",
        "filter": {
           "classes" : true,
           "folders" : false,
           "documents" : false
        }
        "effective": true
        },
        {
        "scope": "ALLOW",
        "filter": {
           "classes" : true,
           "folders" : false,
           "documents" : true
        }
        "effective": true
        }
     ],
     "links": [
        {
           "type": "retention_policy#edit",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:c4ea1c84c7cb42294add3e34da6c7eb87c28de9
0ac48a80dbfade77759476b79/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
        },
        {
        "type": "retention_policy#delete",
        "uri":
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:c4ea1c84c7cb42294add3e34da6c7eb87c28de9
0ac48a80dbfade77759476b79/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
        }
     ]
  }
}
```


5.1.7.16 Entity retention policies change

Operation executes an entity retention policies change.

Request

PUT archives/{archiveId}/entities/{id}/retention/policies.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityRetentionPolicyEntriesUpdateRequest

Response

See chapter EntityRetentionPolicyEntriesUpdateResponse

Response status

200 - Entity retention policies changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Object not found.

500 - Server error.

Example

An example of the entity retention policy change.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/tlw_CODIQQTSR6to1-y6vbojo6ZFT9bS/retention/policies.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "retention_policies": [{
        "id": "1avMancW_MtTbRwpr3p456GYLmDY8SCF",
        "scope": "ALLOW",
        "filter": {
           "classes": false,
           "documents": true,
           "folders": false
        }
     }, {
        "id": "q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk",
        "scope": "ALLOW",
        "filter": {
           "classes": false,
           "documents": true,
           "folders": false
        }
     }
```

```
  ]
}
```

Response

Definition

```
{
  "retention_policies": [{
        "id": "1avMancW_MtTbRwpr3p456GYLmDY8SCF",
        "uri": "
https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/1avMancW_MtTbRwpr3p456GYLmDY8SCF
.json",
        "name": "5 years",
        "description": "Action after 5 years retention",
        "explicit_context": {
           "scope": "ALLOW",
           "filter": {
              "classes": false,
              "folders": false,
              "documents": true
           },
           "effective": true
        },
        "inherited_context": [],
        "links": [{
              "type": "retention_policy#edit",
              "uri": "
https://apps.imis.eu/scsvc/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-
y6vbojo6ZFT9bS/retention/policies/1avMancW_MtTbRwpr3p456GYLmDY8SCF.json"
           }, {
              "type": "retention_policy#delete",
              "uri":
"http://beno:9000/StorageConnectorServicesRest/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-
y6vbojo6ZFT9bS/retention/policies/1avMancW_MtTbRwpr3p456GYLmDY8SCF.json"
           }
        ]
     }, {
        "id": "q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/q96Sd-
Ms1X4pIZEBeTm6JvzlGyKN3oOk.json",
        "name": "3 years",
        "description": "Action after 3 years retention",
        "explicit_context": {
           "scope": "ALLOW",
           "filter": {
              "classes": false,
              "folders": false,
              "documents": true
           },
           "effective": true
        },
        "inherited_context": [],
        "links": [{
              "type": "retention_policy#edit",
              "uri": "
https://apps.imis.eu/scsvc/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-
y6vbojo6ZFT9bS/retention/policies/q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk.json"
           }, {
              "type": "retention_policy#delete",
              "uri": "
https://apps.imis.eu/scsvc/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-
y6vbojo6ZFT9bS/retention/policies/q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk.json"
           }
        ]
     }
  ]
}
```

5.1.7.17 Entity retention policy delete

Operation deletes an entity retention policy.

Request

DELETE archives/{archiveId}/entities/{id}/retention/policies/{idRetentionPolicy}.json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/retention/policies/ {idRetentionPolicy}.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Response status

200 - Entity retention policy deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the retention policy delete.

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/I:NoDrt8_b4hXW4IWmfk XcJP6iTKNKa_5j9phT_bGNRHO/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1bOIC_r4Ipw.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Status: 200 – Entity retention policy deleted successfully.

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5.1.7.18 Entity disposition holds create

Operation creates an entity disposition holds.

Request

POST archives/{archiveId}/entities/{id}/retention/disposition_holds.json

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/retention/disposition_holds.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityRetentionDispositionHoldsRequest

Response

See chapter EntityRetentionDispositionHoldsResponse

Response status

200 – Entity disposition holds created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the disposition holds create.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/retention/disposition_holds.json

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Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "disposition_holds" : [{
     "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4"
  }]
}
```

Response

Definition

```
{
  "disposition_holds" : [{
     "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
     "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5
_T27QH8sQC4.json",
     "name" : "Permanent hold",
     "description" : "Permanent hold for entities",
     "links" : [{
        "type" : "disposition_hold#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/C:C=191/retention/disposition_holds/pmn03
Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.json"
     }
     ]
  }
  ]
}
```

5.1.7.19 Entity disposition holds delete

Operation deletes an entity disposition holds.

Request

DELETE

archives/{archiveId}/entities/{id}/retention/disposition_holds/{idDispositionHold}.

json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/retention/disposition_holds/

{idDispositionHold}.json

The set of entityIdKind values: C, E, I.

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Request header

Authorization: Bearer [session token]

Response status

200 - Entity disposition holds deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity disposition holds delete.

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadkIPV7RfvhleeGZY.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response status

200 - Entity disposition holds deleted successfully.

5.1.7.20 Entity move

Operation moves an entity under the archive root or selected parent entity.

Request

PUT archives/{archiveId}/entities/{id}/move.json

Entity move under the archive root.

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/move.json

Entity move under the archive root. The set of entityIdKind values: C, E, I.

and

PUT archives/{archiveId}/entities/{id}/move/{parentId}.json

Entity move under the selected parent entity.

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/move/

{entityIdKind}:{parentId}.json

Entity move under the selected parent entity. The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityMoveRequest

Response

See chapter EntityStubResponse

Response status

200 - Entity moved successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity move under the archive root.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZ

PsrKPjjT-LHSk8Q/move.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "reason": "Move under appropriate entity"
}
```

Response

Definition


```
{
  "entity_stub" : {
     "accessed" : "2018-11-03T11:38:15.235+01:00",
     "child_count" : 1,
     "classification_code" : "C=230",
     "created" : "2018-10-14T09:46:49.945+02:00",
     "creator" : {
        "email" : "alex.nelson@acme.com",
        "first_name" : "Alex",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson/avatar",
        "id" : " alexnelson ",
        "last_name" : "Nelson",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
     },
     "description" : "Accounts payable, receiveable, banking, budgeting, payments",
     "effective_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_references" : true,
        "create_sub_entities" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true
     },
     "external_ids" : [],
     "id" : "pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q",
     "keywords" : [
        "incomming_invoices",
        "credit_notes",
        "outgoing_invoices",
        "balance_sheets",
        "domestic_accounts",
        "foreign_accounts",
        "bank_statements",
```

```
        "budgets",
        "projects",
        "expenses",
        "reports",
        "cash_management",
        "cheques"
     ],
     "links" : [{
        "type" : "entity:acl",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/
I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q/acl.json"
        }, {
        "type" : "entity:audit_log",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/
I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q/audit_log.json"
        }, {
        "type" : "entities",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/
I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q/entities.json"
        }, {
        "type" : "nonrepudiation",
        "uri" : " https://apps.imis.eu/scsvc/archives/IARC/entities/
I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q/nonrepudiation.json"
        }, {
        "type" : "search",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/
I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q/search.json"
        }, {
        "type" : "entity#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q.json"
        }, {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q.json"
        }, {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/status.json"
        }, {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/security_class.json"
        }, {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/move.json"
        }, {
        "type" : "entity",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q.json"
        }
     ],
     "modified" : "2018-07-27T09:19:43.162+02:00",
     "opened" : "2018-04-22T13:26:16.627+02:00",
     "owner" : {
        "email" : "alex.nelson@acme.com",
        "first_name" : "Alex",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson/avatar",
        "id" : " alexnelson ",
        "last_name" : "Nelson",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
     },
     "permanent" : false,
     "properties" : [{
        "description" : "Non mandatory date of verification",
```

```
        "label" : "Verification date",
        "id" : "Verification date",
        "type" : "DATE",
        "options" : {
           "append_only" : false,
           "included_in_aip" : true,
           "inherited" : false,
           "multi_value" : false,
           "non_empty" : false,
           "pick_list" : false,
           "public" : true,
           "read_only" : false,
           "read_only_after_check_in" : false,
           "read_only_after_create" : false,
           "required" : false,
           "searchable" : true,
           "unique" : false
        },
        "values" : [
           "2018-04-06+02:00"
        ],
     }
     ],
     "public_classification_code" : "C=230",
     "retention" : {
        "policies" : [{
           "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
           "name" : "10 years",
           "description" : "Dispose after 10 years",
           "explicit_context" : {
              "scope" : "ALLOW",
              "filter" : {
                 "classes" : true,
                 "folders" : true,
                 "documents" : true
              },
              "effective" : true
           },
           "inherited_context" : [],
              "links" : [{
                 "type" : "retention_policy#edit",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
                 }, {
                 "type" : "retention_policy#delete",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
              }
              ]
           }, {
           "id" : "C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8m
JXTRVBnHxk.json",
           "name" : "Permanent",
           "description" : "Entity permanent retention",
           "inherited_context" : [{
              "scope" : "ALLOW",
              "filter" : {
                 "classes" : true,
                 "folders" : false,
                 "documents" : false
              },
              "effective" : true
              }
              ],
```

```
              "links" : [{
                 "type" : "retention_policy#edit",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk.json"
                 }, {
                 "type" : "retention_policy#delete",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk.json"
              }
              ]
           }, {
           "id" : "fHLWHBPTgxUZ9FizUvV_tEQT2-LqPCXXi389hm_gIgw",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/fHLWHBPTgxUZ9FizUvV_tEQT2-
LqPCXXi389hm_gIgw.json",
           "name" : "3 years",
           "description" : "Review after 3 years retention period",
           "explicit_context" : {
              "scope" : "ALLOW",
              "filter" : {
                 "classes" : true,
                 "folders" : false,
                 "documents" : true
              },
              "effective" : true
              },
              "inherited_context" : [],
              "links" : [{
                 "type" : "retention_policy#edit",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/fHLWHBPTgxUZ9FizUvV_tEQT2-LqPCXXi389hm_gIgw.json"
                 }, {
                 "type" : "retention_policy#delete",
                 "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/fHLWHBPTgxUZ9FizUvV_tEQT2-LqPCXXi389hm_gIgw.json"
              }
              ]
        }
        ],
        "disposition_holds" : []
     },
     "security_class" : {
        "inherited" : false,
        "value" : "Secret"
     },
     "significance" : {
        "inherited" : false,
        "value" : "Vital"
     },
     "status" : {
        "inherited" : false,
        "value" : "Opened"
     },
     "sub_entity_templates" : [{
           "entity_type" : "CLASS",
           "id" : "Class",
           "label" : "Class",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
        }
     ],
     "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
     },
     "type" : "CLASS"
```

```
  }
}
```

Example

An example of the entity move under the selected parent entity.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/

pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q/move/C:C=212.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "reason": "Move under appropriate entity"
}
```

Response

Definition

```
{
  "entity_stub" : {
     "accessed" : "2018-11-03T11:39:58.919+01:00",
     "child_count" : 1,
     "classification_code" : "C=212^C=07",
     "created" : "2018-10-14T09:46:49.945+02:00",
     "creator" : {
        "email" : "jerry.turner@acme.com",
        "first_name" : "Jerry",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/jerryturner/avatar",
     "id" : "jerryturner",
        "last_name" : "Turner",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/jerryturner.json"
     },
     "description" : "1st and 2nd level class",
     "effective_entity_rights" : {
        "read_access" : true,
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_references" : true,
        "create_sub_entities" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true
     },
     "external_ids" : [],
     "id" : "pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-LHSk8Q",
     "keywords" : [
        "export/import"
     ],
     "links" : [{
```

```
        "type" : "entity:acl",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/acl.json"
        }, {
        "type" : "entity:audit_log",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/audit_log.json"
        }, {
        "type" : "entities",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/entities.json"
        }, {
        "type" : "nonrepudiation",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/nonrepudiation.json"
        }, {
        "type" : "search",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/search.json"
        }, {
        "type" : "parent",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/uOcEHE5pNYzxwpqkcsNi1Kb_OK-
583J0SdBzxYWKBpU/stub.json"
        }, {
        "type" : "entity#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q.json"
        }, {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q.json"
        }, {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/status.json"
        }, {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/security_class.json"
        }, {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/move.json"
        }, {
        "type" : "entity",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q.json"
     }
     ],
     "modified" : "2018-09-05T15:57:34",
     "opened" : "2018-09-05T15:57:34",
     "owner" : {
        "id" : "alexnelson",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
     },
     "parent_id" : "uOcEHE5pNYzxwpqkcsNi1Kb_OK-583J0SdBzxYWKBpU",
     "permanent" : false,
     "properties" : [{
        "description" : "Non mandatory date of verification",
        "label" : "Verification date",
```

```
        "id" : "Verification date",
        "type" : "DATE_TIME",
        "options" : {
           "append_only" : false,
           "included_in_aip" : false,
           "inherited" : true,
           "multi_value" : false,
           "non_empty" : false,
           "pick_list" : false,
           "public" : true,
           "read_only" : false,
           "read_only_after_check_in" : false,
           "read_only_after_create" : false,
           "required" : false,
           "searchable" : true,
           "unique" : false
        },
        "values" : [
           "2018-04-06+02:00"
        ],
     }
     ],
     "public_classification_code" : "212.07",
     "retention" : {
        "policies" : [{
           "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw.json",
           "name" : "10 years",
           "description" : "Dispose after 10 years",
           "explicit_context" : {
              "scope" : "ALLOW",
              "filter" : {
                 "classes" : true,
                 "folders" : true,
                 "documents" : true
              },
              "effective" : true
           },
           "inherited_context" : [],
           "links" : [{
              "type" : "retention_policy#edit",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
              }, {
              "type" : "retention_policy#delete",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw.json"
           }
           ]
           }, {
           "id" : "C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8m
JXTRVBnHxk.json",
           "name" : "3 years",
           "description" : "Dispose after 3 years",
           "explicit_context" : {
              "scope" : "ALLOW",
              "filter" : {
                 "classes" : true,
                 "folders" : false,
                 "documents" : true
              ],
              "effective" : true
           },
           "inherited_context" : [],
           "links" : [{
```

```
              "type" : "retention_policy#edit",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk.json"
              }, {
              "type" : "retention_policy#delete",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/policies/C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk.json"
              }
           ]
           }
        ],
        "disposition_holds" : [{
           "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7R
fvhIeeGZY.json",
           "name" : "Permanent hold",
           "description" : "Description of hold for permanent entitites",
           "links" : [{
              "type" : "disposition_hold#delete",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNBqxXPpS_l5cySkctGb0PZPsrKPjjT-
LHSk8Q/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json"
           }
           ]
        }
        ]
     ]
     },
     "security_class" : {
        "inherited" : false,
        "value" : "Secret"
     },
     "significance" : {
        "inherited" : false,
        "value" : "Vital"
     },
     "status" : {
        "inherited" : false,
        "value" : "Opened"
     },
     "sub_entity_templates" : [{
           "entity_type" : "CLASS",
           "id" : "Class",
           "label" : "Class",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
        }
     ],
     "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
     },
     "title" : "Customer relationship management",
     "type" : "CLASS"
  }
}
```

5.1.8 Access right

IMiS®/ARChive Server uses Access Control Lists (ACL) to check user access rights.

A user with the right to define access rights for an entity (Change permissions) can assign an Access Control List to a user or a user group access rights to an entity and special access rights to an entity. An authorized user can explicitly set Allow or Deny for each group of rights. These values are valid for an individual right within the group, and can also be set for a limited period of time. Operation with entities is described below.

5.1.8.1 Entity access right read

Operation reads directory entity access right on the entity.

Request

GET archives/{archiveId}/entities/{id}/acl.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/acl.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityACLResponse

Response status

200 - Entity access right read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the directory entity access right on the entity read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Response

Definition


```
{
  "acl" : {
     "entries" : [{
        "links" : [{
           "type" : "entity:acl:entry#edit",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/alexnelson.json"
           }, {
           "type" : "entity:acl:entry#delete",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/alexnelson.json"
        }
        ],
        "directory_entity" : {
           "email" : "alex.nelson@acme.com",
           "first_name" : "Grace",
           "icon_url" :
"https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson/avatar",
           "id" : "alexnelson",
           "last_name" : "Nelson",
           "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
        },
        "effective_rights" : {
           "read_access" : true,
           "write_access" : false,
           "move_access" : false,
           "delete_access" : false,
           "change_rights" : true,
           "create_references" : false,
           "create_sub_entities" : false,
           "change_security_class" : false,
           "change_status" : true,
           "change_retention" : false,
        },
        "inherited_allow_rights" : {
           "read_access" : true,
           "write_access" : false,
           "move_access" : false,
           "delete_access" : false,
           "change_rights" : true,
           "create_references" : false,
           "create_sub_entities" : false,
           "change_security_class" : false,
           "change_status" : true,
           "change_retention" : false,
        },
     }
     ],
```

```
     "property_entries" : [{
        "property_id" : "Validation date",
        "entries" : [{
           "links" : [{
              "type" : "entity:acl:property_entry#edit",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/Validation%2520date/alexnelson.
json"
              }, {
              "type" : "entity:acl:property_entry#delete",
              "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/Validation%2520date/alexnelson.
json"
           }
           ],
           "directory_entity" : {
              "email" : "keira.clay@acme.com",
              "first_name" : "Keira",
              "icon_url" :
"https://apps.imis.eu/scsvc/archives/IARC/directory/keiraclay/avatar",
              "id" : "keiraclay",
              "last_name" : "Clay",
              "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/keiraclay.json"
           },
           "effective _rights" : {
              "create_access" : false,
              "delete_access" : false,
              "read_access" : false,
              "write_access" : false
           }
           "inherited_deny_rights" : {
              "create_access" : false,
              "delete_access" : false,
              "read_access" : true,
              "write_access" : true
           }
        }
        ]
     }
     ]
  }
}
```


5.1.8.2 Entity access right create

Operation creates an entity access right.

<u>Request</u>

POST archives/{archiveId}/entities/{id}/acl.json

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/acl.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityACLRequest

Response

See chapter EntityACLResponse

Response status

200 – Entity access right created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity access right create.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl.json

Request content

Definition

```
{
  "acl" : {
     "entries" : [{
        "subject" : "Support group",
        "explicit_allow_rights" : {
           "valid_from" : "2018-08-02T12:12:00.000+06:00",
           "valid_to" : "2018-08-20T12:12:00.000+02:00",
           "read_access" : true,
           "change_status : true"
        },
        "explicit_deny_rights" : {
           "valid_from" : "2018-08-02T12:12:00.000+03:00",
           "valid_to" : "2018-08-20T12:12:00.000Z",
           "write_access" : true
        }
     }
     ]
  }
}
```

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Response

Definition


```
{
   "acl" : {
      "entries" : [{
         "links" : [{
            "type" : "entity:acl:entry#edit",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl.json/acl/Support%2520group.json"
            }, {
            "type" : "entity:acl:entry#delete",
            "uri" : "
https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl.json/acl/Support%2520group.json"
            }
            ],
         "directory_entity" : {
            "id" : "Support group",
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/Support%20group.json"
         },
         "effective_rights" : {
            "read_access" : false,
            "write_access" : false,
            "move_access" : false,
            "delete_access" : false,
            "change_rights" : false,
            "create_references" : false,
            "create_sub_entities" : false,
            "change_security_class" : false,
            "change_status" : false,
            "change_retention" : false,
         },
         "explicit_allow_rights" : {
            "read_access" : true,
            "write_access" : false,
            "move_access" : false,
            "delete_access" : false,
            "change_rights" : false,
            "create_references" : false,
            "create_sub_entities" : false,
            "change_security_class" : false,
            "change_status" : true,
            "change_retention" : false,
            "valid_from" : "2016-08-02T08:12:00.000+02:00",
            "valid_to" : "2016-08-20T12:12:00.000+02:00"
         },
         "explicit_deny_rights" : {
            "read_access" : false,
            "write_access" : true,
            "move_access" : false,
            "delete_access" : false,
            "change_rights" : false,
            "create_references" : false,
            "create_sub_entities" : false,
            "change_security_class" : false,
            "change_status" : false,
            "change_retention" : false,
            "valid_from" : "2016-08-02T12:12:00.000+02:00",
            "valid_to" : "2016-08-20T12:12:00.000+02:00"
         }
      ]
      }
   ]
   }
}
```


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5.1.8.3 Entity access right update

Operation changes an entity explicit access right.

Request

PUT archives/{archiveId}/entities/{id}/acl/{entityId}.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{entityId}.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityACLEntryRequest

Response

See chapter EntityACLEntryResponse

Response status

200 – Entity access right changed successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity access right change.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/Support%20group.json

Request content

Definition

```
{
  "entity_entry" : {
     "explicit_allow_rights" : {
        "valid_from" : "2016-08-02T12:12:00+02:00",
        "valid_to" : "2016-11-01T12:12:00+02:00",
        "change_status " : true
     },
     "explicit_deny_rights" : {
        "delete_access" : true
     }
  }
}
```

Response

Definition

```
{
  "entity_acl_entry" : {
     "links" : [{
        "type" : "entity:acl:entry#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/Support%2520group.json"
        }, {
        "type" : "entity:acl:entry#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=191/acl/Support%2520group.json"
     }
     ],
     "directory_entity" : {
        "id" : "Support group",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/Support%20group.json"
     },
     "explicit_allow_rights" : {
        "read_access" : true,
        "write_access" : false,
        "move_access" : false,
        "delete_access" : false,
        "change_rights" : false,
        "create_sub_entities" : false,
        "change_security_class" : false,
        "change_status" : true,
        "change_retention" : false,
        "valid_from" : "2016-08-02T12:12:00.000+02:00",
        "valid_to" : "2016-11-01T11:12:00.000+01:00"
     },
     "explicit_deny_rights" : {
        "read_access" : false,
        "write_access" : true,
        "move_access" : false,
        "delete_access" : true,
        "change_rights" : false,
        "create_sub_entities" : false,
        "change_security_class" : false,
        "change_status" : false,
        "change_retention" : false,
        "valid_from" : "2016-08-02T12:12:00.000+02:00",
        "valid_to" : "2016-08-20T14:12:00.000+02:00"
     }
  }
}
```

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5.1.8.4 Entity property access right update

Operation changes an entity property explicit access right.

Request

PUT archives/{archiveId}/entities/{id}/acl/{propertyName}/{entityId}.json

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{propertyName}/{entityId}.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityPropertyACLEntryRequest

Response

See chapter EntityPropertyACLEntryResponse

Response status

200 – Entity property access right changed successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity property access right change.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/entities/c830dcdf723f3eb01623c45cb772f2f32d19799f0597abd498142e840debde89/acl/AttrBool/Support%20group.json

Request content

Definition

```
{
  "property_acl_entry" : {
     "explicit_deny_rights" : {
        "valid_from" : "2016-08-02T12:12:00+02:00",
        "valid_to" : "2016-11-01T12:12:00+02:00",
        "read_access" : true,
        "delete_access" : true
     }
  }
}
```

Response

Definition

```
{
  "property_acl_entry" : {
     "links" : [{
        "type" : "entity:acl:property_entry#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:c830dcdf723f3eb01623c45cb772f2f32d19799
f0597abd498142e840debde89/acl/AttrBool/Support%2520group.json"
        }, {
        "type" : "entity:acl:property_entry#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:c830dcdf723f3eb01623c45cb772f2f32d19799
f0597abd498142e840debde89/acl/AttrBool/Support%2520group.json"
     }
     ],
     "directory_entry" : {
        "id" : "Support group",
        "uri" : " https://apps.imis.eu/scsvc/archives/IARC98/directory/Support%20group.json"
     },
     "effective_rights" : {
        "create_access" : false,
        "delete_access" : false,
        "read_access" : true,
        "write_access" : false
     },
     "explicit_deny_rights" : {
        "create_access" : false,
        "delete_access" : true,
        "read_access" : true,
        "write_access" : false,
        "valid_from" : "2016-08-02T12:12:00.000+02:00",
        "valid_to" : "2016-11-01T12:12:00.000+01:00"
     },
  }
}
```

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5.1.8.5 Entity access right delete

Operation deletes an entity access right.

Request

DELETE archives/{archiveId}/entities/{id}/acl/{entityId}.json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{entityId}.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Response status

200 – Entity access right deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity access right delete.

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/cbc80d24496c1cff9ac4cc1031cc7bcfb2d79832c0fdeebcd41e1f3a0dbacc7b/acl/Support%20group.json

Response status

200 – Entity access right deleted successfully.

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5.1.8.6 Entity property access right delete

Operation deletes an entity property access right.

Request

DELETE archives/{archiveId}/entities/{id}/acl/{propertyName}/{entityId}.json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{propertyName}/ {entityId}.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Response status

200 – Entity property access right deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity property access right delete.

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/cbc80d24496c1cff9ac4cc1031cc7bcfb2d79832c0fdeebcd41e1f3a0dbacc7b/acl/AttrBool/keiraclay.json

Response status

200 – Entity property access right deleted successfully.

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5.1.9 Template

Templates prescribe a metadata scheme. Each template contains embedded and previously defined system attributes required for the correct operations of IMiS®/ARChive Server and cannot be changed. All other attributes can be added to or deleted from templates by the administrator, until the first entity has been created.

The operations to work with templates are described in more detail below.

5.1.9.1 Templates read

Operation reads templates.

Request

GET archives/{archiveId}/templates.json

Request header

Authorization: Bearer [session token]

Response

See chapter TemplatesResponse

Response status

200 – Templates read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the templates read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/templates.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "templates": [{
        "id": "Case",
        "label": "Case",
        "description": "Folder/Case entity",
        "entity_count": 125,
        "entity_type": "FOLDER",
        "properties": [{
              "id": "Revision date",
              "description": "Date/time of a revision",
              "type": "DATE_TIME",
              "options": {
                 "append_only": false,
                 "included_in_aip": false,
                 "inherited": true,
                 "multi_value": false,
                 "non_empty": false,
                 "pick_list": false,
                 "public": true,
                 "read_only": false,
                 "read_only_after_check_in" : false,
                 "read_only_after_create" : false,
                 "required": false,
                 "searchable": true,
                 "unique": false
              }
           }
        ],
        "physical_properties": true,
        "email_properties": false,
        "versionable": false,
        "security_class_values": [
           "Unspecified",
           "Top Secret",
           "Secret",
           "Confidential",
           "Restricted",
           "Unclassified"
        ],
        "status_values": [
           "Opened",
           "Closed"
        ],
        "significance_values": [
           "Vital",
           "Permanent",
           "Retain",
           "Delete"
        ],
        "physical_property_status_values": [
           "CheckedIn",
           "CheckedOut"
        ]
     }, {
        "id": "Class",
        "description": "Class entity",
        "entity_count": 94,
        "entity_type": "CLASS",
        "properties": [{
              "id": "Revision date",
```

```
            "description": "Date/time of a revision",
            "type": "DATE_TIME",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": true,
               "multi_value": false,
               "non_empty": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }
      ],
      "physical_properties": false,
      "email_properties": false,
      "versionable": false,
      "security_class_values": [
         "Unspecified",
         "Top Secret",
         "Secret",
         "Confidential",
         "Restricted",
         "Unclassified"
      ],
      "status_values": [
         "Opened",
         "Closed"
      ],
      "significance_values": [
         "Vital",
         "Permanent",
         "Retain",
         "Delete"
      ],
      "physical_property_status_values": []
   }, {
      "id": "ClassCustom",
      "description": "",
      "entity_count": 0,
      "entity_type": "CLASS",
      "properties": [],
      "physical_properties": false,
      "email_properties": false,
      "versionable": false,
      "security_class_values": [
         "Unspecified",
         "Top Secret",
         "Secret",
         "Confidential",
         "Restricted",
         "Unclassified"
      ],
      "status_values": [
         "Opened",
         "Closed"
      ],
      "significance_values": [
         "Vital",
         "Permanent",
         "Retain",
         "Delete"
      ],
      "physical_property_status_values": []
   }, {
      "id": "Document",
```

```
        "description": "Standalone document entity",
        "entity_count": 42,
        "entity_type": "DOCUMENT",
        "properties": [{
              "id": "Quality assurance",
              "description": "Quality assurance attribute",
              "type": "INT32",
              "options": {
                 "append_only": false,
                 "included_in_aip": true,
                 "inherited": true,
                 "multi_value": true,
                 "non_empty": false,
                 "pick_list": false,
                 "public": false,
                 "read_only": false,
                 "read_only_after_check_in" : false,
                 "read_only_after_create" : false,
                 "required": false,
                 "searchable": true,
                 "unique": false
              }
           }, {
              "id": "Production",
              "description": "Production attribute",
              "type": "STRINGMAX",
              "options": {
                 "append_only": false,
                 "included_in_aip": false,
                 "inherited": false,
                 "multi_value": false,
                 "non_empty": false,
                 "pick_list": false,
                 "public": true,
                 "read_only": false,
                 "read_only_after_check_in" : false,
                 "read_only_after_create" : false,
                 "required": false,
                 "searchable": true,
                 "unique": false
              }
           }, {
              "id": "Review",
              "description": "Date/time of the review",
              "type": "DATE_TIME",
              "options": {
                 "append_only": false,
                 "included_in_aip": false,
                 "inherited": true,
                 "multi_value": true,
                 "non_empty": false,
                 "pick_list": false,
                 "public": true,
                 "read_only": false,
                 "read_only_after_check_in" : false,
                 "read_only_after_create" : false,
                 "required": false,
                 "searchable": true,
                 "unique": false
              }
           }
        ],
        "physical_properties": true,
        "email_properties": false,
        "versionable": true,
        "security_class_values": [
           "Unspecified",
           "Top Secret",
           "Secret",
           "Confidential",
           "Restricted",
```

```
            "Unclassified"
         ],
         "status_values": [
            "Opened",
            "Closed"
         ],
         "significance_values": [
            "Vital",
            "Permanent",
            "Retain",
            "Delete"
         ],
         "physical_property_status_values": [
            "CheckedIn",
            "CheckedOut"
         ]
      }, {
         "id": "DocumentCC",
         "description": "Document with custom content attributes",
         "entity_count": 25,
         "entity_type": "DOCUMENT",
         "properties": [],
         "physical_properties": true,
         "email_properties": false,
         "versionable": false,
         "security_class_values": [
            "Unspecified",
            "Top Secret",
            "Secret",
            "Confidential",
            "Restricted",
            "Unclassified"
         ],
         "status_values": [],
         "significance_values": [
            "Vital",
            "Permanent",
            "Retain",
            "Delete"
         ],
         "physical_property_status_values": [
            "CheckedIn",
            "CheckedOut"
         ]
      }, {
         "id": "Email",
         "label": "Email",
         "description": "Standalone e-mail entity",
         "entity_count": 13,
         "entity_type": "DOCUMENT",
         "properties": [{
               "id": "Review",
               "description": "Date/time of the review",
               "type": "DATE_TIME",
               "options": {
                  "append_only": false,
                  "included_in_aip": false,
                  "inherited": true,
                  "multi_value": false,
                  "non_empty": false,
                  "pick_list": false,
                  "public": true,
                  "read_only": false,
                  "read_only_after_check_in" : false,
                  "read_only_after_create" : false,
                  "required": false,
                  "searchable": true,
                  "unique": false
               }
            }
         ],
```

```
        "physical_properties": true,
        "email_properties": true,
        "versionable": false,
        "security_class_values": [
           "Unspecified",
           "Top Secret",
           "Secret",
           "Confidential",
           "Restricted",
           "Unclassified"
        ],
        "status_values": [
           "Opened",
           "Closed"
        ],
        "significance_values": [
           "Vital",
           "Permanent",
           "Retain",
           "Delete"
        ],
        "physical_property_status_values": [
           "CheckedIn",
           "CheckedOut"
        ]
     }, {
        "id": "FiledDocument",
        "description": "Document filed into a folder/case entity",
        "entity_count": 11,
        "entity_type": "DOCUMENT",
        "properties": [{
              "id": "Public custom attribute",
              "description": "",
              "type": "STRING50",
              "options": {
                 "append_only": false,
                 "included_in_aip": true,
                 "inherited": false,
                 "multi_value": true,
                 "non_empty": false,
                 "pick_list": false,
                 "public": true,
                 "read_only": false,
                 "read_only_after_check_in" : false,
                 "read_only_after_create" : false,
                 "required": false,
                 "searchable": true,
                 "unique": false
              }
           }
        ],
        "physical_properties": true,
        "email_properties": false,
        "versionable": false,
        "security_class_values": [
           "Unspecified",
           "Top Secret",
           "Secret",
           "Confidential",
           "Restricted",
           "Unclassified"
        ],
        "status_values": [],
        "significance_values": [
           "Vital",
           "Permanent",
           "Retain",
           "Delete"
        ],
        "physical_property_status_values": [
           "CheckedIn",
```

```
            "CheckedOut"
         ]
      }, {
         "id": "FiledEmail",
         "description": "E-mail filed into a folder/case entity",
         "entity_count": 26,
         "entity_type": "DOCUMENT",
         "properties": [],
         "physical_properties": true,
         "email_properties": true,
         "versionable": false,
         "security_class_values": [
            "Unspecified",
            "Top Secret",
            "Secret",
            "Confidential",
            "Restricted",
            "Unclassified"
         ],
         "status_values": [],
         "significance_values": [
            "Vital",
            "Permanent",
            "Retain",
            "Delete"
         ],
         "physical_property_status_values": [
            "CheckedIn",
            "CheckedOut"
         ]
      }, {
         "id": "Invoice",
         "label": "Invoice",
         "description": "Invoice document",
         "entity_count": 0,
         "entity_type": "DOCUMENT",
         "properties": [],
         "physical_properties": true,
         "email_properties": false,
         "versionable": false,
         "security_class_values": [
            "Unspecified",
            "Top Secret",
            "Secret",
            "Confidential",
            "Restricted",
            "Unclassified"
         ],
         "status_values": [],
         "significance_values": [
            "Vital",
            "Permanent",
            "Retain",
            "Delete"
         ],
         "physical_property_status_values": [
            "CheckedIn",
            "CheckedOut"
         ]
      }
   ]
}
```

5.1.9.2 Template read

Operation reads template.

Request

GET archives/{archiveId}/templates/{id}.json

Request header

Authorization: Bearer [session token]

Response

See chapter TemplateResponse

Response status

200 – Template read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the template "Class" read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition

```
{
  "template": {
     "id": "Class",
     "label": "Class",
     "description": "Class entity",
     "entity_count": 1,
     "entity_type": "DOCUMENT",
     "properties": [{
           "name": "AttrBinary",
           "description": "Binary attribute",
           "type": "BINARY",
```

```
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrBool",
            "description": "Bool attribute",
            "type": "BOOL",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrDate",
            "description": "Date attribute",
            "type": "DATE",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrDateTime",
            "description": "DateTime attribute",
            "type": "DATE_TIME",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrDecimal1",
            "description": "Decimal1 attribute",
```

```
            "type": "DECIMAL1",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrDirectoryEntity",
            "description": "DirectoryEntity attribute",
            "type": "DIRECTORY_ENTITY",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrDouble",
            "description": "Double attribute",
            "type": "DOUBLE",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrInt128",
            "description": "",
            "type": "INT128",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrInt16",
            "description": "",
            "type": "INT16",
```

```
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": true,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrInt32",
            "description": "",
            "type": "INT32",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrInt64",
            "description": "Int64 attribute",
            "type": "INT64",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrInt8",
            "description": "Int8 attribute",
            "type": "INT8",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }, {
            "name": "AttrPickListDate1",
            "description": "",
            "type": "DATE",
            "options": {
```

```
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "pick_list": true,
            "public": true,
            "read_only": false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required": false,
            "searchable": true,
            "unique": false
         },
         "values": [{
               "key": "New year",
               "value": "2018-01-01"
            }, {
               "value": "2018-01-02"
            }
         ]
      }, {
         "name": "AttrPickListDouble",
         "description": "",
         "type": "DOUBLE",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "pick_list": true,
            "public": true,
            "read_only": false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required": false,
            "searchable": true,
            "unique": false
         },
         "values": [{
               "value": 1.01
            }, {
               "value": 1.02
            }
         ]
      }, {
         "name": "AttrPickListInt128",
         "description": "",
         "type": "INT128",
         "options": {
            "append_only": false,
            "included_in_aip": false,
            "inherited": false,
            "multi_value": false,
            "pick_list": true,
            "public": true,
            "read_only": false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required": false,
            "searchable": true,
            "unique": false
         },
         "values": [{
               "value": 1
            }, {
               "value": 2
            }
         ]
      }, {
         "name": "AttrPickListInt8",
         "description": "",
```

```
            "type": "INT8",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": true,
               "public": true,
               "read_only": false,
               "required": false,
               "searchable": true,
               "unique": false
            },
            "values": [{
                  "value": 1
               }, {
                  "value": 2
               }
            ]
         }, {
            "name": "AttrPickListTime",
            "description": "",
            "type": "TIME",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": true,
               "public": true,
               "read_only": false,
               "required": false,
               "searchable": true,
               "unique": false
            },
            "values": [{
                  "value": "10:00:00"
               }, {
                  "value": "18:00:00"
               }
            ]
         }, {
            "name": "AttrTime",
            "description": "Time attribute",
            "type": "TIME",
            "options": {
               "append_only": false,
               "included_in_aip": false,
               "inherited": false,
               "multi_value": false,
               "pick_list": false,
               "public": true,
               "read_only": false,
               "read_only_after_check_in" : false,
               "read_only_after_create" : false,
               "required": false,
               "searchable": true,
               "unique": false
            }
         }
      ],
      "physical_properties": false,
      "email_properties": false,
      "versionable": false,
      "security_class_values": [
         "Unspecified",
         "Top Secret",
         "Secret",
         "Confidential",
         "Restricted",
         "Unclassified"
```

```
      ],
      "status_values": [
         "Opened",
         "Closed"
      ],
      "significance_values": [
         "Vital",
         "Permanent",
         "Retain",
         "Delete"
      ],
      "physical_property_status_values": [],
      "system_properties": {
         ...
      }
   }
}
```

5.1.10 Directory

The directory contains a list of users and user groups of the IMiS®/ARChive Server with associated user, authentication, role and group membership data.

Operation with the directory is described below.

5.1.10.1 Directory entities read

Operation reads directory entities.

Request

GET archives/{archiveId}/directory.json

Fields

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Response

See chapter DirectoryEntitiesResponse

Response status

200 – Directory entities read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the directory entities read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/directory.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Response

Definition


```
{
  "directory_entities" : [{
     "id" : "IMiS user group ",
     "first_name" : "IMiS",
     "last_name" : "user group",
     "email" : "imis.user@imis.eu",
     "description" : "IMiS user group",
     "security_class" : "Unspecified",
     "type" : "GROUP",
     "members" : {
        "id" : "IMiS user group",
        "uri" : "
https://apps.imis.eu/scsvc/archives/IARC98/directory/IMiS%20user%20group/members.json"
     }
     }, {
     "id" : "Anonymous",
     "first_name" : "",
     "last_name" : "Anonymous",
     "email" : "",
     "description" : "Sessions authenticated by legacy protocols",
     "security_class" : "Unspecified",
     "type" : "USER"
     }
  ]
}
```


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5.1.10.2 Directory entity read

Operation reads directory entity.

Request

GET archives/{archiveId}/directory/{id}.json

Fields

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the directory entity.

Request header

Authorization: Bearer [session token]

Response

See chapter DirectoryEntityResponse

Response status

200 – Directory entity read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the directory entity read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/directory/IMiS%20user%20group.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

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Response
Definition

```
{
  "directory_entity" : {
     "id" : "IMiS user group",
     "first_name" : "IMiS",
     "last_name" : "user group",
     "email" : "imis.usergroup@imis.eu",
     "description" : "IMiS software user group ",
     "security_class" : "Unspecified",
     "type" : "GROUP",
     "members" : {
        "id" : "IMiS user group",
        "uri" : "
https://apps.imis.eu/scsvc/archives/IARC/directory/IMiS%20user%20group/members.json"
     }
  }
}
```

5.1.10.3 Directory entity members read

Operation reads members of the selected directory entity group.

Request

GET archives/{archiveId}/directory/{id}/members.json

Request parameters

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the directory entities.

Request header

Authorization: Bearer [session token]

Response

See chapter DirectoryEntitiesResponse

Response status

200 – Directory entity members read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

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Example

An example of the directory entity »IMiS user group« members read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/directory/IMiS%20user%20group/members.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Response

Definition

```
{
  "directory_entities" : [{
     "id" : "johnsmith",
     "first_name" : "John",
     "last_name" : "Smith",
     "email" : "john.smith@acme.com",
     "description" : "Human Resources",
     "security_class" : "Unspecified",
     "type" : "USER"
     }, {
     "subject" : "ronsalazar",
     "first_name" : "Ron",
     "last_name" : "Salazar",
     "email" : "ron.salazar@acme.com",
     "description" : "ICT support",
     "security_class" : "Unspecified",
     "type" : "USER"
     }
  ]
}
```

5.1.10.4 Current user read

Operation obtains the directory entity of current user.

Request

GET archives/{archiveId}/account.json

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Response

See chapter AccountResponse

Response status

200 – Directory entity members read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.10.5 Password change

Operation changes the password of current user.

Request

PUT archives/{archiveId}/account/password.json

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Request content

See chapter PasswordChangeRequest

Response status

200 – Password changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the password change.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/account/password.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Request content

Definition

```
{
  "old_password": "xxxxxx",
  "new_password": "yyyyyy"
}
```

Response status

200 – Password changed successfully.

5.1.10.6 User profile change

Operation changes properties of the current user.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

PUT archives/{archiveId}/account.json

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Request content

See chapter AccountUpdateRequest

Response

See chapter AccountResponse

Response status

200 – User profile changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.10.7 Avatar read

Operation reads avatar of the directory entity or the current user.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveId}/directory/{id}/avatar

or

GET archives/{archiveId}/account/avatar

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Response

The set of avatar data.

Response status

200 – Avatar read successfully.

401 - Unauthorized, username and password are incorrect.

404 – Avatar not found.

500 - Server error.

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5.1.10.8 Avatar change

Operation changes avatar of the current user.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/account/avatar

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Content-Type: Content type

Response

The set of avatar data.

Response status

200 – Avatar changed successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.11 Retention

Every entity in the classification scheme (except for the document in the folders) has at least one specified effective retention period, which determines the timeframe of the entity's retention.

By establishing links between entities and retention policies we control effective retention periods, and indirectly the preparation of the review process.

The disposition hold has a special role in the preparation of the review process as it enables the elimination of all entities with links to at least one disposition hold from the review process. Operation with retention periods and disposition holds are described below.

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5.1.11.1 Retention policies read

Operation reads entity retention policies.

Request

GET archives/{archiveId}/retention_policies.json

Request parameters

archiveId	String	Unique identifier of the archive.

Request header

Authorization: Bearer [session token]

Response

See chapter RetentionPoliciesResponse

Response status

200 – Entity retention policies read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity retention policies read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

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Response

Definition


```
{
  "retention_policies" : [{
     "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw",
     "name" : "10 years",
     "accessed" : "2016-07-25T09:44:33.016+02:00",
     "created" : "2015-09-25T10:30:41.052+02:00",
     "modified" : "2016-07-25T09:44:33.018+02:00",
     "action" : "Dispose",
     "creator" : {
        "id" : "johnsmith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/johnsmith.json"
     },
     "description" : "Dispose after 10 years",
     "detailed_description" : "10 years after closure entity is disposed in the review
process",
     "reason" : "Dispose entities after 10 years",
     "trigger" : "[EntityClose_Review] +10Y < @NOW@",
     "links" : [{
        "type" : "objects",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw/objects.json"
     }
     ]
  }
  ]
}
```


5.1.11.2 Retention policy read

Operation reads entity retention policy.

Request

GET archives/{archiveId}/retention_policies/{id}.json

Request parameters

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the retention policy.

Request header

Authorization: Bearer [session token]

Response

See chapter RetentionPolicyResponse

Response status

200 – Entity retention policy read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity retention policy read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfz UNuhA-4_raqO6O1bOlC_r4Ipw.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "retention_policy" : {
     "id" : "AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1bOlC_r4Ipw",
     "name" : "10 years",
     "accessed" : "2016-07-25T09:44:33.016+02:00",
     "created" : "2015-09-25T10:30:41.052+02:00",
     "modified" : "2016-07-25T09:44:33.018+02:00",
     "action" : "Dispose",
     "creator" : {
        "id" : "johnsmith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/johnsmith.json"
     },
     "description" : "Dispose after 10 years",
     "detailed_description" : "10 years after closure entity is disposed in the review
process",
     "reason" : "Dispose entities after 10 years",
     "trigger" : "[EntityClose_Review] +10Y < @NOW@",
     "links" : [{
        "type" : "objects",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1bOlC_r4Ipw/objects.json"
     }
     ]
  }
}
```

5.1.11.3 Entity retention policy objects read

Operation reads entity retention policy objects.

Request

GET archives/{archiveId}/retention_policies/{id}/objects.json

Request parameters

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the retention policy.

Request header

Authorization: Bearer [session token]

Response

See chapter ObjectsResponse

Response status

200 – Entity retention policy objects read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity retention policy objects read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1bOIC_r4Ipw/objects.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

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Response

Definition


```
{
  "objects" : [{
     "id" : "100705023",
     "description" : "Balance Sheet",
     "size" : 14219,
     "created" : "2016-06-23T10:19:30.128+02:00",
     "accessed" : "2016-06-23T10:19:30.128+02:00",
     "modified" : "2016-06-23T10:19:30.128+02:00",
     "content_type" : "application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
     "extension" : ".docx",
     "links" : [{
        "type" : "content",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw/objects/100705023"
        }, {
        "type" : "content_with_metadata",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw/objects/100705023"
     }
     ]
     }, {
     "id" : "100705024",
     "description" : "Invoice",
     "size" : 79530,
     "created" : "2016-06-23T10:19:30.132+02:00",
     "accessed" : "2016-06-23T10:19:30.132+02:00",
     "modified" : "2016-06-23T10:19:30.132+02:00",
     "content_type" : "application/pdf",
     "extension" : ".pdf",
     "links" : [{
        "type" : "content",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw/objects/100705024"
        }, {
        "type" : "content_with_metadata",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfzUNuhA-
4_raqO6O1b0lC_r4Ipw/objects/100705024.json"
     }
     ]
  }
  ]
}
```


5.1.11.4 Entity retention policy content objects read

Operation reads retention policy content objects.

Request

GET archives/{archiveId}/retention_policies/{id}/objects/{objectId}

Request header

Authorization: Bearer [session token]

Response

The set of object data.

Response header

Content-Type: Content type.

Content-Length: Content size (in bytes).

Response status

200 – Entity retention policy content objects read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity retention policy content objects.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1bOlC_r4Ipw/objects.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Response

```
test
```

Response header

Content-Type: text/plain

Content-Length: 4

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5.1.11.5 Entity retention policy object properties read

Operation reads entity retention policy object properties.

Request

GET archives/{archiveId}/retention_policies/{id}/objects/{objectId}.json

Request parameters

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the retention policy.
objectId	String	Unique identifier of the retention policy object.

Request header

Authorization: Bearer [session token]

Response

See chapter ObjectStubResponse

Response status

200 – Entity retention policy object properties read.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

Request

GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1bOlC_r4Ipw/objects/y6RWCiVXkVBUrjewasOGOLigKbJcR8qd.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition

```
{
  "object" : {
     "id" : "100705023",
     "description" : "Rules",
     "size" : 14219,
     "created" : "2016-06-23T10:19:30.128+02:00",
     "accessed" : "2016-06-23T10:19:30.128+02:00",
     "modified" : "2016-06-23T10:19:30.128+02:00",
     "content_type" : "application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
     "extension" : ".docx"
  }
}
```

5.1.11.6 Retention policy audit log read

Operation reads entity retention policy audit log.

Request

GET archives/{archiveId}/retention_policies/{id}/audit_log.json

Request parameters

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the retention policy.

Request header

Authorization: Bearer [session token]

Response

See chapter AuditLog

Response status

200 – Entity retention policy audit log read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

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Example

An example of the entity retention policy audit log read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/

AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0IC_r4Ipw/audit_log.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "events" : [{
     "time" : "2018-09-25T08:30:41Z",
     "public_address" : "192.168.92.67",
     "type" : "PROPERTY_VALUE_CHANGE",
     "details" : "Changed properties: sys:Creator, sys:Title, sys:ret:pol:Action,
sys:ret:pol:Reason, sys:ret:pol:Trigger",
     "user" : {
        "email" : "alex.nelson@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson/avatar",
        "id" : "alexnelson",
        "last_name" : "Nelson",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
     }, {
     "time" : "2018-09-25T08:30:41Z",
     "public_address" : "192.168.92.67",
     "type" : "ENTITY_SAVE",
     "user" : {
        "email" : "alex.nelson@acme.com",
        "first_name" : "Grace",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson/avatar",
        "id" : "alexnelson",
        "last_name" : "Nelson",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
     }
  }
  ]
}
```

5.1.12 Content objects

The entity can also contain content objects that can be described with IANA registered content types (MIME type).

The operations to work with entity content objects are described in more detail below.

5.1.12.1 Entity content objects read

Operation reads an entity content objects. Operation provides a hierarchical view of entity content objects.

Request

GET archives/{archiveId}/entities/{id}/objects.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects.json

The set of entityIdKind values: C, E, I, H.

and

GET archives/{archiveId}/entities/{id}/objects/{objectId}/objects.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/objects.json

The set of entityIdKind values: C, E, I, H.

Request parameters

tree	Boolean	Specifies whether the response shows child objects as a tree structure.
flat	Boolean	Specifies whether the response shows child objects as a flat list.
max_level	Integer	Specifies the level of child objects only if tree = true, default value = 0 (show all).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter ObjectsResponse

Response status

200 – Entity content objects read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content objects read.

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3/objects.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "objects": [
  {
     "id": "1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8",
     "description": "license",
     "size": 13559,
     "created": "2017-07-19T09:45:55.578Z",
     "accessed": "2017-07-19T12:05:44.387Z",
     "modified": "2017-07-19T09:45:55.578Z",
     "content_type": "application/msword",
     "extension": ".doc",
     "links": [
     {
        "type": "content",
        "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
"
        },
        {
        "type": "metadata",
        "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
.json"
        }
        ],
        "child_count": 1,
        "signed": false,
        "indexed": false
     },
```

```
      {
      "id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9",
      "description": "Order",
      "size": 22016,
      "created": "2017-07-19T12:07:42.079Z",
      "accessed": "2017-07-19T12:07:42.079Z",
      "modified": "2017-07-19T12:07:42.079Z",
      "content_type": "application/msword",
      "extension": ".doc",
      "links": [
      {
         "type": "content",
         "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9
"
         },
      {
      "type": "metadata",
      "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9
.json"
         }
         ],
         "child_count": 1,
         "signed": false,
         "indexed": false
      }
   ]
}
```


Example

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3/objects.json?tree=true

Response

Definition


```
{
  "objects": [{
         "id": "1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8",
         "description": "license",
         "size": 13559,
         "created": "2017-07-19T09:45:55.578Z",
         "accessed": "2017-07-19T12:05:44.387Z",
         "modified": "2017-07-19T09:45:55.578Z",
         "content_type": "application/msword",
         "extension": ".doc",
         "links": [{
               "type": "content",
               "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/5d61795ed3e08e89251eda8212c76f6cb1e3c733fc9
718fbd1cbe996985b0d3/objects/1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8"
            }, {
               "type": "metadata",
               "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
.json"
```

```
            }
        ],
        "child_count": 1,
        "signed": false,
        "indexed": false,
        "children": [{
              "id": "0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40",
              "description": "license.tif [OCR at 2017-12-04 14:58:51]",
              "size": 58799,
              "created": "2017-12-04T14:58:51.290Z",
              "accessed": "2017-12-04T14:58:51.290Z",
              "modified": "2017-12-04T14:58:51.290Z",
              "content_type": "image/tiff",
              "extension": ".tif",
              "links": [{
                    "type": "content",
                    "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40
"
                 }, {
                    "type": "metadata",
                    "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40
.json"
                 }
              ],
              "child_count": 1,
              "signed": false,
              "indexed": false,
              "children": [{
                    "id": "081e742e9ffa421b8a998732ba3538b93a359b36d6ce225565ea8c5145878de6",
                    "description": "license.pdf [OCR, 1pages]",
                    "size": 102811,
                    "created": "2017-12-04T14:58:57.528Z",
                    "accessed": "2017-12-04T14:58:57.528Z",
                    "modified": "2017-12-04T14:58:57.528Z",
                    "content_type": "application/pdf",
                    "extension": ".pdf",
                    "links": [{
                          "type": "content",
                          "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/081e742e9ffa421b8a998732ba3538b93a359b36d6ce225565ea8c5145878de6
"
                       }, {
                          "type": "metadata",
                          "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/081e742e9ffa421b8a998732ba3538b93a359b36d6ce225565ea8c5145878de6
.json"
                       }
                    ],
                    "child_count": 0,
                    "signed": false,
                    "indexed": false,
                    "children": [],
                    "parent_id":
"0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40"
                 }
              ],
              "parent_id": "1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8"
            }
        ]
     }, {
        "id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9",
        "description": "Order",
        "size": 22016,
        "created": "2017-07-19T12:07:42.079Z",
        "accessed": "2017-07-19T12:07:42.079Z",
```

```
        "modified": "2017-07-19T12:07:42.079Z",
        "content_type": "application/msword",
        "extension": ".doc",
        "links": [{
              "type": "content",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9
"
           }, {
              "type": "metadata",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9
.json"
           }
        ],
        "child_count": 1,
        "signed": false,
        "indexed": false,
        "children": [{
              "id": "1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930",
              "description": "Order.tif",
              "size": 11215,
              "created": "2017-07-19T12:07:44.483Z",
              "accessed": "2017-07-19T12:07:44.483Z",
              "modified": "2017-07-19T12:07:44.483Z",
              "content_type": "image/tiff",
              "extension": ".tif",
              "links": [{
                    "type": "content",
                    "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
"
                 }, {
                    "type": "metadata",
                    "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
.json"
                 }
              ],
              "child_count": 1,
              "signed": false,
              "indexed": false,
              "children": [{
                    "id": "1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093",
                    "description": "Order.pdf",
                    "size": 40456,
                    "created": "2017-07-19T12:07:45.786Z",
                    "accessed": "2017-07-28T09:07:20.768Z",
                    "modified": "2017-07-19T12:07:45.786Z",
                    "content_type": "application/pdf",
                    "extension": ".pdf",
                    "links": [{
                          "type": "content",
                          "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093
"
                       }, {
                          "type": "metadata",
                          "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093
.json"
                       }
                    ],
                    "child_count": 0,
                    "signed": false,
```

```
                    "indexed": false,
                    "children": [],
                    "parent_id":
"1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930"
                }
            ],
            "parent_id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9"
        }
    ]
  }
]
}
```


Example

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3/objects.json?flat=true

Response

Definition


```
{
"objects": [{
     "id": "1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8",
     "description": "license",
     "size": 13559,
     "created": "2017-07-19T09:45:55.578Z",
     "accessed": "2017-07-19T12:05:44.387Z",
     "modified": "2017-07-19T09:45:55.578Z",
     "content_type": "application/msword",
     "extension": ".doc",
     "links": [{
           "type": "content",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
"
        }, {
           "type": "metadata",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
.json"
        }
     ],
     "child_count": 0,
     "signed": false,
     "indexed": false
  }, {
     "id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9",
     "description": "Order",
     "size": 22016,
     "created": "2017-07-19T12:07:42.079Z",
     "accessed": "2017-07-19T12:07:42.079Z",
     "modified": "2017-07-19T12:07:42.079Z",
     "content_type": "application/msword",
     "extension": ".doc",
     "links": [{
           "type": "content",
```

```
            "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9
"
         }, {
            "type": "metadata",
            "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9
.json"
         }
      ],
      "child_count": 1,
      "signed": false,
      "indexed": false
   }, {
      "id": "1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930",
      "description": "Order.tif",
      "size": 11215,
      "created": "2017-07-19T12:07:44.483Z",
      "accessed": "2017-07-19T12:07:44.483Z",
      "modified": "2017-07-19T12:07:44.483Z",
      "content_type": "image/tiff",
      "extension": ".tif",
      "links": [{
            "type": "content",
            "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
"
         }, {
            "type": "metadata",
            "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
.json"
         }
      ],
      "child_count": 0,
      "signed": false,
      "indexed": false,
      "parent_id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9"
   }
]
}
```


Example

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9/objects.json?tree=true

Response

Definition


```
{
  "objects": [{
        "id": "1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930",
        "description": "Order.tif",
        "size": 11215,
        "created": "2017-07-19T12:07:44.483Z",
        "accessed": "2017-07-19T12:07:44.483Z",
        "modified": "2017-07-19T12:07:44.483Z",
        "content_type": "image/tiff",
        "extension": ".tif",
        "links": [{
              "type": "content",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
"
           }, {
              "type": "metadata",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
.json"
           }
        ],
        "child_count": 1,
        "signed": false,
        "indexed": false,
        "children": [{
              "id": "1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093",
              "description": "Order.pdf",
              "size": 40456,
              "created": "2017-07-19T12:07:45.786Z",
              "accessed": "2017-07-28T09:07:20.768Z",
              "modified": "2017-07-19T12:07:45.786Z",
              "content_type": "application/pdf",
              "extension": ".pdf",
              "links": [{
                    "type": "content",
                    "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093
"
                 }, {
                    "type": "metadata",
                    "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093
.json"
                 }
              ],
              "child_count": 0,
              "signed": false,
              "indexed": false,
              "children": [],
              "parent_id": "1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930"
           }
        ],
        "parent_id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9"
     }
  ]
}
```

Example

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3/objects/1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9/objects.json?flat=true

Response

Definition


```
{
  "objects": [{
        "id": "1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930",
        "description": "Order.tif",
        "size": 11215,
        "created": "2017-07-19T12:07:44.483Z",
        "accessed": "2017-07-19T12:07:44.483Z",
        "modified": "2017-07-19T12:07:44.483Z",
        "content_type": "image/tiff",
        "extension": ".tif",
        "links": [{
              "type": "content",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
"
           }, {
              "type": "metadata",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930
.json"
           }
        ],
        "child_count": 1,
        "signed": false,
        "indexed": false,
        "parent_id": "1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9"
     }, {
        "id": "1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093",
        "description": "Order.pdf",
        "size": 40456,
        "created": "2017-07-19T12:07:45.786Z",
        "accessed": "2017-07-28T09:07:20.768Z",
        "modified": "2017-07-19T12:07:45.786Z",
        "content_type": "application/pdf",
        "extension": ".pdf",
        "links": [{
              "type": "content",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093
"
           }, {
              "type": "metadata",
              "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc
9718fbd1cbe996985b0d3/objects/1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093
.json"
           }
        ],
        "child_count": 0,
```

```
        "signed": false,
        "indexed": false,
        "parent_id": "1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930"
      }
    ]
  }
```


5.1.12.2 Entity content object read

Operation reads an entity content object.

Request

GET archives/{archiveId}/entities/{id}/objects/{objectId}

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}

The set of entityIdKind values: C, E, I, H.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

Object dataset.

Response headers

Content-Type: Content type.

Content-Length: Content size (in bytes).

Response status

200 – Entity object read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/818ab674825358fccad8728cae072f676e4ebd1e2ae0a9dd1c659855f0e0fa33/objects/100706979

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

```
test
```

Response headers

Content-Type: text/plain

Content-Length: 4

5.1.12.3 Reading an indexed entity content object

Operation reads an entity object information.

Request

GET archives/{archiveId}/entities/{id}/object

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/object

The set of entityIdKind values: C, E, I, H.

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

Object dataset.

Response header

Content-Type: Content type.

Content-Length: Content size (in bytes).

Response status

200 – Entity object read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

5.1.12.4 Entity content object and properties read

Operation reads an entity content object properties.

Request

GET archives/{archiveId}/entities/{id}/objects/{objectId}.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}.json

The set of entityIdKind values: C, E, I, H.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter ObjectStubResponse

Response status

200 – Entity content object properties read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object properties read.

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3/objects/2075b8077354a6516e111c8dd0e5941e892b3311a583bf37b96742fed0fc836f.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "object": {
     "id": "2075b8077354a6516e111c8dd0e5941e892b3311a583bf37b96742fed0fc836f",
     "description": "Mandates.docx",
     "size": 0,
     "created": "2017-07-20T07:37:05.750Z",
     "accessed": "2017-12-12T08:22:35.209Z",
     "modified": "2017-07-20T07:37:05.750Z",
     "content_type": "application/vnd.openxmlformats-
officedocument.wordprocessingml.document",
     "extension": ".docx",
     "child_count": 1,
     "signed": false,
     "indexed": false,
     "parent_id": "2e936c573ebd170cec47fce2090e8f29332467ad34331d1dec1fe9b98748f25c"
  }
}
```

5.1.12.5 Reading indexed entity content object metadata

Operation reads an entity content object properties.

Request

GET archives/{archiveId}/entities/{id}/object.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/object.json

The set of entityIdKind values: C, E, I, H.

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response

See chapter ObjectStubResponse

Response status

200 – Entity content object properties read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

5.1.12.6 Entity object create

Operation creates an entity content object.

Request

POST archives/{archiveId}/entities/{id}/objects

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/objects

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Content-Type: Content type

Request parameters

description	String	A description of the entity content object (optional).
containerId	String	Unique identifier of additional entity content object container (optional).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request content

Object dataset.

Response

See chapter ObjectStubResponse

Response status

200 – Entity content object created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object create.

Request

POST https://apps.imis.eu/scsvc /archives/IARC/entities/QQ9mDne6yHvxuKhsgySonIck

EAcrpi9P0yGMmtOw8NE/objects?description=test24

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Content-Type: text/plain

Request content

```
test
```

Response

Definition


```
{
  "object": {
     "id": "100677409",
     "description": "test24",
     "size": 4,
     "created": "2017-03-15T11:27:04.040+01:00",
     "accessed": "2017-03-15T11:27:04.040+01:00",
     "modified": "2017-03-15T11:27:04.040+01:00",
     "content_type": "text/plain",
     "extension": ".txt",
     "links": [{
           "type": "content",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcrpi9P0yGMmtO
w8NE/objects/100677409"
        }, {
           "type": "metadata",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC/entities/QQ9mDne6yHvxuKhsgySonIckEAcrpi9P0yGMmtOw8NE
/objects/100677409.json"
        }
     ]
  }
}
```

5.1.12.7 Entity object update

Operation updates an entity content object and description.

Request

PUT archives/{archiveId}/entities/{id}/objects/{objectId}

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Content-Type: Entity content object type; mandatory when object dataset is updated (optional)

Request parameters

description	String	A description of the content object (optional).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request content

Object dataset.

Response

See chapter ObjectStubResponse

Response status

200 – Entity object updated successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object update.

Request

PUT https://apps.imis.eu/scsvc /archives/IARC/entities/

QQ9mDne6yHvxuKhsgySonIckEAcrpi9P0yGMmtOw8NE/objects

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Content-Type: text/plain

Request content

```
test
```

Response

Definition


```
{
  "object": {
     "id": "100677409",
     "description": "test24",
     "size": 4,
     "created": "2017-03-15T11:27:04.040+01:00",
     "accessed": "2017-03-15T11:27:04.040+01:00",
     "modified": "2017-03-15T11:27:04.040+01:00",
     "content_type": "text/plain",
     "extension": ".txt",
     "links": [{
           "type": "content",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcrpi9P0yGMmtO
w8NE/objects/100677409"
        }, {
           "type": "content_with_metadata",
           "uri":
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcrpi9P0yGMmtO
w8NE/objects/100677409.json"
        }
     ]
  }
}
```

5.1.12.8 Modifying an indexed entity content object

Operation updates an entity description and content object.

Request

PUT archives/{archiveId}/entities/{id}/object

and

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/object

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Content-Type: Entity content object type; mandatory when object dataset is updated (optional)

Request parameters

description	String	Object description (optional).
index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request content

Object dataset.

Response

See chapter ObjectStubResponse

Response status

200 – Entity object updated successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

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5.1.12.9 Entity object delete

Operation deletes an entity content object.

Request

DELETE archives/{archiveId}/entities/{id}/objects/{objectId}.json

and

DELETE archives/{archiveId}/ entities/{entityIdKind}:{id}/objects/{id}.json

The set of entityIdKind values: C, E, I, H.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response status

200 – Entity content object deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object delete.

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/
82c3d25661a4b26ad40827ad3ed32f8bca278db9c84f86de6535b735b48833f8/objects/
100705998.json

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Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response status

200 – Entity content object deleted successfully.

5.1.12.10 Deleting an indexed entity content object

Operation deletes an entity content object.

Request

DELETE archives/{archiveId}/entities/{id}/object.json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/object.json

The set of entityIdKind values: C, E, I, H.

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Response status

200 – Entity content object deleted successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

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5.1.12.11 Entity object move

Operation moves an entity content object from one entity to another.

Request

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/move/{entityIdKind}:{targetId}.json

The set of entityIdKind values: C, E, I.

and

PUT archives/{archiveId}/entities/{id}/objects/{objectId}/move/{targetId}.json

Request parameters

sourceVersion	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.
targetVersion	Integer	Target entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Response

See chapter ObjectStubResponse

Response status

200 – Entity content object moved successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object move.

Request

PUT

https://apps.imis.eu/scsvc/archives/IARC/entities/225de25ed49264f6a7424d0d5c23d906c21d088e4c650d6548d80f1690747cdc/objects/ac23f6737512c19a32f75f4948d7d85cba70ce441c5829f31b01aeeae726b75b/move/I:600c57129a78c7fab1c69082eb76e219659927871a2d6b9f7918027bd6599adf.json

Request header

Authorization: Bearer c7611e4a-45f8-451f-81ca-2eb6755b3295

Response

Definition


```
{
  "object": {
     "id": "ac23f6737512c19a32f75f4948d7d85cba70ce441c5829f31b01aeeae726b75b",
     "description": "02.jpg",
     "size": 1516490,
     "created": "2017-11-02T08:52:47.787Z",
     "accessed": "2017-11-02T08:52:47.787Z",
     "modified": "2017-11-02T08:52:47.787Z",
     "content_type": "image/jpeg",
     "extension": ".jpg",
     "child_count": 0,
     "signed": false,
     "indexed": false
  }
}
```


5.1.12.12 Entity content object copy

Operation copies an entity content object to another entity.

Request

PUT archives/{archiveId}/entities/{id}/objects/{objectId}/copy/

{targetId}.json

and

PUT

archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/copy/

{entityIdKind}:{target}.json

The set of entityIdKind values: C, E, I.

Request parameters

description	String	Object description (optional).
sourceVersion	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.
targetVersion	Integer	Target entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Response

See chapter ObjectStubResponse

Response status

200 – Entity content object updated successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity content object update.

Request

PUT

https://apps.imis.eu/scsvc/archives/IARC/entities/600c57129a78c7fab1c69082eb76e219659927871a2d6b9f7918027bd6599adf/objects/ac23f6737512c19a32f75f4948d7d85cba70ce441c5829f31b01aeeae726b75b/copy/l:600c57129a78c7fab1c69082eb76e219659927871a2d6b9f7918027bd6599adf.json?description=03.jpeg

Request header

Authorization: Bearer c7611e4a-45f8-451f-81ca-2eb6755b3295

Response

Definition


```
{
 "object": {
    "id": "f808e55bafe2979c57946b0e852bf8b365852af80326dd6ca573bb27e7bed07b",
    "description": "03.jpeg",
    "size": 1516490,
    "created": "2017-12-12T08:12:10.881Z",
    "accessed": "2017-12-12T08:12:10.881Z",
    "modified": "2017-12-12T08:12:10.881Z",
    "content_type": "image/jpeg",
    "extension": ".jpg",
    "child_count": 0,
    "signed": false,
    "indexed": false
 }
}
```


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5.1.12.13 Queue for indexing / conversion

Operation marks an entity content object for later indexing (Queue for Indexing) or conversion (Queue for Conversion).

Request

POST archives/{archiveId}/entities/{id}/objects/{objectId}/manage.json

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/manage.json

The set of entityIdKind values: C, E, I.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request content

See chapter ObjectManageRequest

Response

See chapter ObjectStubResponse

Response status

200 – Entity content object marked successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity queuing for indexing or conversion.

Request

PUT

https://apps.imis.eu/scsvc/archives/IARC/entities/600c57129a78c7fab1c69082eb76e2196599278 71a2d6b9f7918027bd6599adf/objects/ac23f6737512c19a32f75f4948d7d85cba70ce441c5829f31b01aeeae726b75b/manage.json

Request header

Authorization: Bearer c7611e4a-45f8-451f-81ca-2eb6755b3295

Definition

```
{
  "manage": {
     "queue_for_indexing": true,
     "queue_for_conversion": true
  }
}
```

Response

Definition

```
{
  "object": {
     "id": "1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8",
     "description": "license.rtf",
     "size": 13559,
     "created": "2017-07-19T09:45:55.578Z",
     "accessed": "2017-07-19T12:05:44.387Z",
     "modified": "2017-07-19T09:45:55.578Z",
     "content_type": "application/msword",
     "extension": ".doc",
     "child_count": 1,
     "signed": false,
     "indexed": false
  }
}
```

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5.1.12.14 Entity object detach

Operation detaches an entity content object contained under a parent content object.

Request

POST archives/{archiveId}/entities/{id}/objects/{objectId}/detach.json

and

POST archives/{archiveId}/entities/{C/E/I}:{id}/objects/{objectId}/detach.json

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Response

See chapter ObjectStubResponse

5.1.12.15 Reading a content object by parts

Operation retrieves a part of the dataset of the entity object.

Request

GET archives/{archiveId}/entities/{id}/objects/{objectId}/stream

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{objectId}/stream

The set of entityIdKind values: C, E, I, H.

Request parameters

version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Range: bytes=[from]-[to (optional)]

Response

Object dataset.

Response header

Content-Type: Content type.

Content-Range: The size of the content part (e.g.: bytes 2097152-4194303/11845770).

Response status

200 – Entity content object read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

5.1.12.16 Reading an indexed content object by parts

Operation retrieves a part of the dataset of the entity object.

Request

GET archives/{archiveId}/entities/{id}/object/stream

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/object/stream

The set of entityIdKind values: C, E, I, H.

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional). IMiS®/ARChive Server 9.9 or higher.

Request header

Authorization: Bearer [session token]

Range: bytes=[from]-[to (optional)]

Response

Object dataset.

Response header

Content-Type: Content type.

Content-Range: The size of the content part (e.g.: bytes 2097152-4194303/11845770).

Response status

200 – Entity content object read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

5.1.13 Authenticity

Authenticity and integrity proofs evidence the authenticity and integrity of the entity.

The operations to work with authenticity are described in more detail below.

5.1.13.1 Entity authenticity and integrity proofs read

Operation reads an entity authenticity and integrity proofs.

Request

GET archives/{archiveId}/entities/{id}/nonrepudiation.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/nonrepudiation.json

and

GET archives/{archiveId}/entities/{id}/nonrepudiation.zip

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/nonrepudiation.zip

The set of entityIdKind values: C, E, I, H.

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Request header

Authorization: Bearer [session token]

Response

See chapter EntityNonrepudiationResponse

Response status

200 – Entity authenticity and integrity proofs read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the authenticity and integrity proofs.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/

fn7bkQwI89P1DupVWGLrarzEC6vVCB1-jWoSBmr4IZA/nonrepudiation.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "nonrepudiation" : {
     "archival_information_package" :
"PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz48YWlwOkFJUCB4bWxuczphaXA9Imh0dHA6Ly93d3cua
W1pcy5ldS9pbWlzYXJjL2FpcCIgeG1sbnM6ZHM9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvMDkveG1sZHNpZyMiPjxhaXA
6SGVhZGVyIFZlcnNpb249IjEiPjxkczpDYW5vbmljYWxpemF0aW9uTWV0aG9kIEFsZ29yaXRobT0iaHR0cDovL3d3dy53M
y5vcmcvVFIvMjAwMS9SRUMteG1sLWMxNG4tMjAwMTAzMTUiLz48L2FpcDpIZWFkZXI+PGFpcDpBdHRyaWJ1dGUgSWQ9IkF
0cmlidXQgOTMiIFR5cGU9IjciLz48YWlwOkF0dHJpYnV0ZSBJZD0iQXRyaWJ1dCA5OSIgVHlwZT0iMTgiLz48YWlwOkF0d
HJpYnV0ZSBJZD0ic3lzOkNvbW1pdExvZyIgVHlwZT0iMTciLz48YWlwOkNvbnRlbnQgSWQ9InN5czpDb250ZW50Ij48YWl
wOkNvbnRlbnRWYWx1ZT48ZHM6RGlnZXN0TWV0aG9kIEFsZ29yaXRobT0iaHR0cDovL3d3dy53My5vcmcvMjAwMS8wNC94b
WxlbmMjc2hhMjU2Ii8+PGRzOkRpZ2VzdFZhbHVlPk52MDZMaHNURlpWZ0NjU2t3OTA1U0pXQWkzNHdzKytOWHY4RWYrUXF
pMjA9PC9kczpEaWdlc3RWYWx1ZT48L2FpcDpDb250ZW50VmFsdWU+PGFpcDpDb250ZW50VmFsdWU+PGRzOkRpZ2VzdE1ld
GhvZCBBbGdvcml0aG09Imh0dHA6Ly93d3cudzMub3JnLzIwMDEvMDQveG1sZW5jI3NoYTI1NiIvPjxkczpEaWdlc3RWYWx
1ZT5vbE9xQW9FbVp4ajZUeXdHajloRzR6MVBnMlBtMFVPaFRxMjNBUXMxWDVrPTwvZHM6RGlnZXN0VmFsdWU+PC9haXA6Q
29udGVudFZhbHVlPjwvYWlwOkNvbnRlbnQ+PC9haXA6QUlQPg==",
     "evidence_records" : [

  "PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz48RXZpZGVuY2VSZWNvcmQgeG1sbnM9InVybjppZXR
mOnBhcmFtczp4bWw6bnM6ZXJzIiBWZXJzaW9uPSIxLjAiPjxBcmNoaXZlVGltZVN0YW1wU2VxdWVuY2U+PEFyY2hpdmVUa
W1lU3RhbXBDaGFpbiBPcmRlcj0iMSI+PERpZ2VzdE1ldGhvZCBBbGdvcml0aG09Imh0dHA6Ly93d3cudzMub3JnLzIwMDA
vMDkveG1sZHNpZyNzaGExIi8+PENhbm9uaWNhbGl6YXRpb25NZXRob2QgQWxnb3JpdGhtPSJodHRwOi8vd3d3LnczLm9yZ
```

```
y9UUi8yMDAxL1JFQy14bWwtYzE0bi0yMDAxMDMxNSIvPjxBcmNoaXZlVGltZVN0YW1wIE9yZGVyPSIxIj48SGFzaFRyZWU
+PFNlcXVlbmNlIE9yZGVyPSIxIj48RGlnZXN0VmFsdWU+aEU5cnpMTXVTbGFOWkIxSzkzY0MrM0NNRzh3PTwvRGlnZXN0V
mFsdWU+PERpZ2VzdFZhbHVlPjBaYjVSMmlSRWJ3b043MzY0LzNEcFZhOXdTcz08L0RpZ2VzdFZhbHVlPjwvU2VxdWVuY2U
+PC9IYXNoVHJlZT48VGltZVN0YW1wPjxUaW1lU3RhbXBUb2tlbiBUeXBlPSJYTUxFTlRSVVNUIj48ZHNpZzpTaWduYXR1c
mUgeG1sbnM6ZHNpZz0iaHR0cDovL3d3dy53My5vcmcvMjAwMC8wOS94bWxkc2lnIyIgSWQ9IlRpbWVTdGFtcFRva2VuIj4
8ZHNpZzpTaWduZWRJbmZvPjxkc2lnOkNhbm9uaWNhbGl6YXRpb25NZXRob2QgQWxnb3JpdGhtPSJodHRwOi8vd3d3LnczL
m9yZy9UUi8yMDAxL1JFQy14bWwtYzE0bi0yMDAxMDMxNSIvPjxkc2lnOlNpZ25hdHVyZU1ldGhvZCBBbGdv
...
      ]
   }
}
```


5.1.14 Audit log

The audit log contains records on user activity on certain entities.

5.1.14.1 Entity audit log read

Operation reads entity audit log.

Request

GET archives/{archiveId}/entities/{id}/audit_log.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit_log.json

The set of entityIdKind values: C, E, I, H.

and

GET archives/{archiveId}/entities/{id}/audit_log.csv

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit_log.csv

The set of entityIdKind values: C, E, I, H.

and

GET archives/{archiveId}/entities/{id}/audit_log.xml

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit_log.xml

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

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Response (JSON)

See chapter AuditLog

Response (CSV)

See chapter AuditLogCSV

Response (XML)

Returns the entity audit log in the original form received from the archive.

Response status

200 – Entity audit log read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity audit log read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/350d8c293c4bbd284b3be30010152c5a486bc1744f8895d2b752c4d0bd14ba46/audit_log.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "events" : [{
     "time" : "2016-06-07T07:44:43Z",
     "public_address" : "192.168.92.72",
     "local_address" : "192.168.92.72",
     "computer_name" : "IMIS_JOHN",
     "type" : "RETENTION_CHANGE ",
     "details" : "Added policies:'3 years'",
     "user" : {
        "id" : "marcowelch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
     }
     }, {
     "time" : "2016-06-07T07:44:43Z",
```

```
      "public_address" : "192.168.92.72",
      "local_address" : "192.168.92.72",
      "computer_name" : "IMIS_JOHN",
      "type" : "PROPERTY_VALUE_CHANGE",
      "details" : "Changed properties: sys:Creator, sys:Title",
      "user" : {
         "id" : "marcowelch",
         "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
      }
      }, {
      "time" : "2016-06-07T07:44:43Z",
      "public_address" : "192.168.92.72",
      "local_address" : "192.168.92.72",
      "computer_name" : "IMIS_JOHN",
      "type" : "SECURITY_CLASS_CHANGE",
      "details" : "Security Class initially set to 'Unclassified [1]'",
      "user" : {
         "id" : "marcowelch",
         "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
      }
      }
   ]
}
```


5.1.15 Search

Search enables metadata and entity content search.

The operations to work with search are described in more detail below.

5.1.15.1 Entities search

Operation provides entity search on the entire archive or under the selected entity only and retrieves public information on searched entities.

Request

GET archives/{archiveId}/search.json

Search is provided on the entire archive.

and

GET archives/{archiveId}/entities/{id}/search.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/search.json

Search is provided under the selected entity. The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request parameters

If the filter is not set, basic entity information are: *id*, *title*, *description*, *type*, *classification_code*, *public_classification_code*, *status*. Links are of the type: *entity* and *entity:stub*.

expr	String	Search query.
filter	String	The filter defines the scope of the entity information (optional). The set of values: - all: All public information and links to the entities. - links: Links to the entities. - props: Public information on entity properties. - templates: Templates for child entities creation.
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than search is performed again; otherwise it is performed only first time. Parameter is taken into the account when pageStart in pageSize parameters are present (optional).
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code (default value). - »sys:Creator«: The author of the entity. - »sys:Owner«: vThe owner of the entity. - »sys:Opened«: Date and time of the entity open. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - metadata identifier.
sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.
categoryProperties	String	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

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Response

See chapter SearchResponse

Response status

200 – Entities search performed successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entities full text search when search query is »Android«.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/search.json?expr={android}

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "search" : {
     "results" : [{
        "classification_code" : "C=147^D=00001",
        "id" : "Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E",
        "links" : [{
           "type" : "entity",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyN
LV9E.json"
           }, {
           "type" : "entity:stub",
           "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyN
LV9E/stub.json"
        }
        ],
        "objects" : [{
           "description" : "Email - body"
           }, {
           "description" : "Email - raw"
        }
        ],
        "public_classification_code" : "147/00001",
        "title" : "Imaging Systems Daily Summary for July 27th",
        "type" : "DOCUMENT"
        }, {
        "classification_code" : "C=147^D=00056",
```

```
            "id" : "EgF0_TREPI6zZtCDPzYlkD3FsK-Egg_HMOoc__HIsK8",
            "links" : [{
               "type" : "entity",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:EgF0_TREPI6zZtCDPzYlkD3FsK-
Egg_HMOoc__HIsK8.json"
            }, {
               "type" : "entity:stub",
               "uri" :
"https://apps.imis.eu/scsvc/archives/IARC98/entities/I:EgF0_TREPI6zZtCDPzYlkD3FsK-
Egg_HMOoc__HIsK8/stub.json"
            }
            ],
         "objects" : [{
            "description" : "Email - body"
            }, {
            "description" : "Email - raw"
         }
         ],
         "public_classification_code" : "147/00056",
         "title" : "View (and edit, and share) your files on the go",
         "type" : "DOCUMENT"
         }
      ]
   }
}
```


5.1.16 Disposition hold

With a disposition hold the user specifies which entities will not be a part of the review process.

The operations to work with disposition hold are described in more detail below.

5.1.16.1 Entities disposition holds read

Operation reads entities disposition holds.

Request

GET archives/{archiveId}/disposition_holds.json

Request header

Authorization: Bearer [session token]

Response

See chapter DispositionHoldsResponse

Response status

200 – Entities disposition holds read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entities disposition holds read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/disposition_holds.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "disposition_holds" : [{
     "accessed" : "2015-10-14T14:20:23.183+02:00",
     "created" : "2015-09-24T14:40:16.632+02:00",
     "modified" : "2015-10-14T14:20:23.184+02:00",
     "description" : "Description of hold for permanent entitites",
     "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
     "name" : "Permanent hold",
     "reason" : "Hold for permanent entitites",
     "creator" : {
        "id" : "johnsmith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/johnsmith.json"
     }
     }, {
     "accessed" : "2015-11-26T08:47:17.459+02:00",
     "created" : "2015-11-26T08:47:17.459+02:00",
     "modified" : "2015-11-26T08:47:17.459+02:00",
     "description" : "Description of time limited hold for entities",
     "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
     "name" : "Time limited hold ",
     "reason" : "Hold for entities",
     "creator" : {
        "id" : "ronsalazar",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/ronsalazar.json"
     }
  }
  ]
}
```


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5.1.16.2 Entity disposition hold read

Operation reads entity disposition hold.

Request

GET archives/{archiveId}/disposition_holds/{id}.json

Request parameters

id	String	Unique identifier of the entity disposition hold.

Request header

Authorization: Bearer [session token]

Response

See chapter DispositionHoldResponse

Response status

200 – Entity disposition hold read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity disposition hold read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/

DVAh3WDAb88J_kLWrGGkQOcn5aadkIPV7RfvhleeGZY.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

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Response

Definition


```
{
  "disposition_hold" : {
     "accessed" : "2015-10-14T14:20:23.183+02:00",
     "created" : "2015-09-24T14:40:16.632+02:00",
     "modified" : "2015-10-14T14:20:23.184+02:00",
     "description" : "Description of hold for permanent entitites",
     "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
     "name" : "Permanent hold",
     "reason" : "Hold for permanent entitites",
     "creator" : {
        "id" : "marcowelch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
     }
  }
}
```


5.1.16.3 Entity disposition hold audit log read

Operation reads entity disposition hold audit log.

Request

GET archives/{archiveId}/disposition_holds/{id}/audit_log.json

Request parameters

id	String	Unique identifier of the entity disposition hold.

Request header

Authorization: Bearer [session token]

Response

See chapter AuditLog

Response status

200 – Entity disposition hold audit log read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

Example

An example of the entity disposition hold audit log read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/

DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhleeGZY/audit_log.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Definition


```
{
  "events" : [{
     "time" : "2015-09-24T12:40:16Z",
     "public_address" : "192.168.92.67",
     "type" : "PROPERTY_VALUE_CHANGE",
     "details" : "Changed properties: sys:Creator, sys:Title, sys:ret:hold:Reason",
     "user" : {
        "id" : "marchowelch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
     }
     }, {
     "time" : "2015-09-24T12:40:16Z",
     "public_address" : "192.168.92.67",
     "type" : "ENTITY_SAVE",
     "user" : {
        "id" : "marcowelch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
     }
  }
  ]
}
```


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5.1.17 References

References link multiple entities.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

5.1.17.1 References read

Operation reads entity references.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveId}/entities/{id}/references.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/references.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityReferencesResponse

Response status

200 – Entity references read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity references read.

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/O74EUo9JWNKvB2YacYE3VHZ4U4s8EM6o/references.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "references": [{
        "id": "6Y-n-5xVzgFVAseKjoYDfoUilZUK9StU",
        "title": "",
        "entities": [{
              "accessed": "2018-12-03T13:56:39.000Z",
              "aip": true,
              "child_classification_code_generated": true,
              "child_count": 6,
              "classification_code": "C=03",
              "created": "2018-11-13T12:27:00.000Z",
              "creator": {
                 "id": "admin",
                 "email": "admin@acme.com",
                 "first_name": "",
                 "icon_url": "
https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
                 "last_name": "Administrator",
                 "type": "USER"
              },
              "description": "Supply planning and scheduling records",
              "draft": false,
              "effective_rights": {
                 "create_references": true,
                 "create_sub_entities": true,
                 "change_retention": true,
                 "change_rights": true,
                 "change_security_class": true,
                 "change_status": true,
                 "delete_access": true,
                 "move_access": true,
                 "read_access": true,
                 "write_access": true
              },
              "external_ids": [],
              "has_draft": false,
              "has_references": true,
              "has_versions": false,
              "id": "wm8DyC4mb9rzB6Dd5T6AZ6Lh4xEpXcVI",
              "keywords": [],
              "modified": "2018-12-03T13:05:11.000Z",
              "modified_by": {
                 "id": "admin",
                 "email": "admin@acme.com",
                 "first_name": "",
                 "icon_url": "
https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
                 "last_name": "Administrator",
                 "type": "USER"
              },
              "opened": "2018-11-23T07:19:06.000Z",
              "permanent": false,
              "properties": [],
              "public_classification_code": "03",
              "retention": {
                 "policies": [{
                       "id": "5CobtV-H1DNFXeph2W3lGEafgazOvtfp",
                       "name": "10 years",
                       "description": "Dispose after 10 years retention",
                       "explicit_context": {
                          "scope": "ALLOW",
```

```
                        "filter": {
                           "classes": true,
                           "folders": true,
                           "documents": true
                        },
                        "effective": true
                     },
                     "inherited_context": []
                  }, {
                     "id": "6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ",
                     "name": "Permanent",
                     "description": "Permanent retention",
                     "explicit_context": {
                        "scope": "ALLOW",
                        "filter": {
                           "classes": true,
                           "folders": true,
                           "documents": true
                        },
                        "effective": true
                     },
                     "inherited_context": []
                  }
               ],
               "disposition_holds": [{
                     "id": "7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez",
                     "name": "Legal procedure",
                     "description": "Legal procedure in progress, material must be preserved
until finished",
                     "inherited": false
                  }
               ]
            },
            "security_class": {
               "inherited": false
            },
            "significance": {
               "inherited": false
            },
            "status": {
               "inherited": true,
               "value": "Opened"
            },
            "sub_entity_templates": [{
                  "id": "Class",
                  "label": "Class",
                  "entity_type": "CLASS"
               }
            ],
            "template": {
               "id": "Class",
               "label": "Class",
               "entity_type": "CLASS"
            },
            "title": "Supply Chain management",
            "type": "CLASS"
         }
      ],
      "effective_rights": {
         "create_references": true,
         "create_sub_entities": true,
         "change_retention": true,
         "change_rights": true,
         "change_security_class": true,
         "change_status": true,
         "delete_access": true,
         "move_access": true,
         "read_access": true,
         "write_access": true
      },
      "created": "2018-12-03T10:09:19.000Z",
```

```
        "creator": {
           "id": "kclay",
           "email": "keira.clay@acme.com",
           "first_name": "Keira",
           "icon_url": " https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
           "last_name": "Clay",
           "type": "USER"
        }
     }
  ]
}
```


5.1.17.2 Reference read

Operation reads entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveId}/entities/{id}/references/{referenceId}.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/references/{referenceId}.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Response

See chapter EntityReferenceResponse

Response status

200 – Entity reference read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity reference read.

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o/references/6Y-n-5xVzgFVAseKjoYDfoUilZUK9StU.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "reference": {
     "id": "6Y-n-5xVzgFVAseKjoYDfoUilZUK9StU",
     "title": "",
     "entities": [{
           "accessed": "2018-12-03T13:56:39.000Z",
           "aip": true,
           "child_classification_code_generated": true,
           "child_count": 6,
           "classification_code": "C=03",
           "created": "2018-11-13T12:27:00.000Z",
           "creator": {
              "id": "admin",
              "email": "admin@acme.com",
              "first_name": "",
              "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
              "last_name": "Administrator",
              "type": "USER"
           },
           "description": "Supply planning and scheduling records",
           "draft": false,
           "effective_rights": {
              "create_references": true,
              "create_sub_entities": true,
              "change_retention": true,
              "change_rights": true,
              "change_security_class": true,
              "change_status": true,
              "delete_access": true,
              "move_access": true,
              "read_access": true,
              "write_access": true
           },
           "external_ids": [],
           "has_draft": false,
           "has_references": true,
           "has_versions": false,
           "id": "wm8DyC4mb9rzB6Dd5T6AZ6Lh4xEpXcVI",
           "keywords": [],
           "modified": "2018-12-03T13:05:11.000Z",
           "modified_by": {
              "id": "admin",
              "email": "admin@acme.com",
              "first_name": "",
```

```
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         },
         "opened": "2018-11-23T07:19:06.000Z",
         "permanent": false,
         "properties": [],
         "public_classification_code": "03",
         "retention": {
            "policies": [{
                  "id": "5CobtV-H1DNFXeph2W3lGEafgazOvtfp",
                  "name": "10 years",
                  "description": "Dispose after 10 years retention",
                  "explicit_context": {
                     "scope": "ALLOW",
                     "filter": {
                        "classes": true,
                        "folders": true,
                        "documents": true
                     },
                     "effective": true
                  },
                  "inherited_context": []
               }, {
                  "id": "6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ",
                  "name": "Permanent",
                  "description": "Permanent retention",
                  "explicit_context": {
                     "scope": "ALLOW",
                     "filter": {
                        "classes": true,
                        "folders": true,
                        "documents": true
                     },
                     "effective": true
                  },
                  "inherited_context": []
               }
            ],
            "disposition_holds": [{
                  "id": "7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez",
                  "name": "Legal procedure",
                  "description": "Legal procedure in progress, material must be preserved
until finished",
                  "inherited": false
               }
            ]
         },
         "security_class": {
            "inherited": false
         },
         "significance": {
            "inherited": false
         },
         "status": {
            "inherited": true,
            "value": "Opened"
         },
         "sub_entity_templates": [{
               "id": "Class",
               "label": "Class",
               "entity_type": "CLASS"
            }
         ],
         "template": {
            "id": "Class",
            "label": "Class",
            "entity_type": "CLASS"
         },
         "title": "Supply Chain management",
         "type": "CLASS"
```

```
        }
      ],
      "effective_rights": {
         "create_references": true,
         "create_sub_entities": true,
         "change_retention": true,
         "change_rights": true,
         "change_security_class": true,
         "change_status": true,
         "delete_access": true,
         "move_access": true,
         "read_access": true,
         "write_access": true
      },
      "created": "2018-12-03T10:09:19.000Z",
      "creator": {
         "id": "kclay",
         "email": "keira.clay@acme.com",
         "first_name": "Keira",
         "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
         "last_name": "Clay",
         "type": "USER"
      }
   }
}
```


5.1.17.3 Reference create

Operation creates a reference on a specific entity.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/entities/{id}/references.json

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/references.json

The set of the entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request

See chapter EntityReferenceCreateRequest

Response

See chapter EntityReferenceResponse

Response status

200 – Entity reference created successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity reference create.

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/wBOgix4oXioYPLbeBtBn65v21lViU4p5/references.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Content-Type: application/json

Request

Definition

```
{
  "entries": [{
        "value": "0mCfj7KRpySLVoruVpyAzyStUhRQTuSZ"
     }
  ]
}
```

Response

Definition

```
{
  "reference": {
     "id": "0Qw3M94iEzVgMlkrmj-LL63lfFUSlvAY",
     "title": "",
     "entities": [{
           "accessed": "2018-12-04T08:01:08.000Z",
           "aip": true,
           "child_classification_code_generated": true,
           "child_count": 2,
           "classification_code": "C=02^C=01",
           "created": "2018-11-13T12:26:59.000Z",
           "creator": {
              "id": "admin",
              "email": "admin@acme.com",
              "first_name": "",
              "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
              "last_name": "Administrator",
              "type": "USER"
           },
```

```
        "draft": false,
        "effective_rights": {
           "create_references": true,
           "create_sub_entities": true,
           "change_retention": true,
           "change_rights": true,
           "change_security_class": true,
           "change_status": true,
           "delete_access": true,
           "move_access": true,
           "read_access": true,
           "write_access": true
        },
        "external_ids": [],
        "has_draft": false,
        "has_references": true,
        "has_versions": false,
        "id": "0mCfj7KRpySLVoruVpyAzyStUhRQTuSZ",
        "keywords": [],
        "modified": "2018-11-13T12:26:59.000Z",
        "modified_by": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "opened": "2018-11-13T12:26:59.000Z",
        "parent_id": "074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o",
        "permanent": false,
        "properties": [],
        "public_classification_code": "02.01",
        "retention": {
           "policies": [{
                 "id": "5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR",
                 "name": "10 years + National Archives",
                 "description": "Transfer to National Archives for permanent archival",
                 "inherited_context": [{
                       "scope": "ALLOW",
                       "filter": {
                          "classes": true,
                          "folders": true,
                          "documents": true
                       },
                       "effective": true
                    }
                 ]
              }
           ],
           "disposition_holds": []
        },
        "security_class": {
           "inherited": true,
           "value": "Confidential"
        },
        "significance": {
           "inherited": true
        },
        "status": {
           "inherited": true,
           "value": "Opened"
        },
        "sub_entity_templates": [{
              "id": "Class",
              "label": "Class",
              "entity_type": "CLASS"
           }
        ],
        "template": {
           "id": "Class",
```

```
                "label": "Class",
                "entity_type": "CLASS"
            },
            "title": "Accounts Payable",
            "type": "CLASS"
        }
    ],
    "effective_rights": {
        "create_references": true,
        "create_sub_entities": true,
        "change_retention": true,
        "change_rights": true,
        "change_security_class": true,
        "change_status": true,
        "delete_access": true,
        "move_access": true,
        "read_access": true,
        "write_access": true
    },
    "created": "2018-12-04T12:15:30.000Z",
    "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
  }
}
```


5.1.17.4 Reference change

Operation changes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

PUT archives/{archiveId}/entities/{id}/references/{referenceId}.json

PUT archives/{archiveId}/entities/{entityIdKind}:{id}/references/{referenceId}.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Request

See chapter EntityReferenceCreateRequest

Response

See chapter EntityReferenceResponse

Response status

200 – Entity reference updated successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/0mCfj7KRpySLVoruVpyAzyStUhRQTuSZ/references/0Qw3M94iEzVgMlkrmj-LL63lfFUSlvAY.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Content-Type: application/json

Request content

Definition

```
{
  "title": "Reference title",
  "description": "reference description",
  "entries": [{
        "value": "wBOgix4oXioYPLbeBtBn65v21lViU4p5"
     }
  ]
}
```

Response

Definition

```
{
  "reference": {
     "id": "0Qw3M94iEzVgMlkrmj-LL63lfFUSlvAY",
     "title": "Reference title",
     "description": "reference description",
     "entities": [{
           "accessed": "2018-11-30T11:01:52.000Z",
           "aip": true,
           "child_classification_code_generated": true,
           "child_count": 2,
           "classification_code": "C=02^C=05",
           "created": "2018-11-13T12:27:00.000Z",
           "creator": {
              "id": "admin",
              "email": "admin@acme.com",
              "first_name": "",
              "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
```

```
            "last_name": "Administrator",
            "type": "USER"
         },
         "draft": false,
         "effective_rights": {
            "create_references": true,
            "create_sub_entities": true,
            "change_retention": true,
            "change_rights": true,
            "change_security_class": true,
            "change_status": true,
            "delete_access": true,
            "move_access": true,
            "read_access": true,
            "write_access": true
         },
         "external_ids": [],
         "has_draft": false,
         "has_references": true,
         "has_versions": false,
         "id": "wBOgix4oXioYPLbeBtBn65v21lViU4p5",
         "keywords": [],
         "modified": "2018-11-13T12:27:00.000Z",
         "modified_by": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         },
         "opened": "2018-11-13T12:27:00.000Z",
         "parent_id": "074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o",
         "permanent": false,
         "properties": [],
         "public_classification_code": "02.05",
         "retention": {
            "policies": [{
                  "id": "5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR",
                  "name": "10 years + National Archives",
                  "description": "Transfer to National Archives for permanent archival",
                  "inherited_context": [{
                        "scope": "ALLOW",
                        "filter": {
                           "classes": true,
                           "folders": true,
                           "documents": true
                        },
                        "effective": true
                     }
                  ]
               }
            ],
            "disposition_holds": []
         },
         "security_class": {
            "inherited": true,
            "value": "Confidential"
         },
         "significance": {
            "inherited": true
         },
         "status": {
            "inherited": true,
            "value": "Opened"
         },
         "sub_entity_templates": [{
               "id": "Class",
               "label": "Class",
               "entity_type": "CLASS"
            }
```

```
            ],
            "template": {
               "id": "Class",
               "label": "Class",
               "entity_type": "CLASS"
            },
            "title": "Payments",
            "type": "CLASS"
         }
      ],
      "effective_rights": {
         "create_references": true,
         "create_sub_entities": true,
         "change_retention": true,
         "change_rights": true,
         "change_security_class": true,
         "change_status": true,
         "delete_access": true,
         "move_access": true,
         "read_access": true,
         "write_access": true
      },
      "created": "2018-12-04T12:15:30.000Z",
      "creator": {
         "id": "admin",
         "email": "admin@acme.com",
         "first_name": "",
         "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
         "last_name": "Administrator",
         "type": "USER"
      }
   }
}
```


5.1.17.5 Reference delete

Operation deletes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

DELETE archives/{archiveId}/entities/{id}/references/{referenceId}.json

and

DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/references/{referenceId}.json

The set of entityIdKind values: C, E, I.

Request header

Authorization: Bearer [session token]

Response status

200 – Entity reference deleted successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity reference delete.

Request

DELETE

https://apps.imis.eu/scsvc/archives/IARC/entities/OmCfj7KRpySLVoruVpyAzyStUhRQTuSZ/references/OQw3M94iEzVgMlkrmj-LL63IfFUSlvAY.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response status

200 – Entity reference deleted successfully.

5.1.18 Versioning

The versioning of entities enables the reading of all entity versions, and checking out and checking in an entity draft. Versioning is defined by a template, in which specific properties enable versioning and can be modified in different versions. Each version has a sequence version number, with which we can read, edit, delete and check out drafts from a specific version. Compatibility: IMiS®/ARChive Server 9.9 or higher.

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5.1.18.1 Version read

Operation reads entity versions.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveId}/entities/{id}/versions.json

and

GET archives/{archiveId}/entities/{entityIdKind}:{id}/versions.json

The set of entityIdKind values: C, E, I, H.

Request header

Authorization: Bearer [session token]

Response

See chapter VersionsResponse

Response status

200 – Entity versions read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity version read.

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw/versions.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "versions": [{
        "accessed": "2018-12-04T12:33:26.000Z",
        "aip": true,
        "categories": [],
        "check_in_comment": null,
        "child_classification_code_generated": null,
        "child_count": 0,
        "classification_code": "C=04^C=04^F=2018-000003^D=000002",
        "closed": null,
        "created": "2018-11-29T10:56:37.000Z",
        "creator": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "description": null,
        "draft": false,
        "draft_creator": null,
        "draft_id": null,
        "effective_rights": {
           "create_references": true,
           "create_sub_entities": true,
           "change_retention": true,
           "change_rights": true,
           "change_security_class": true,
           "change_status": true,
           "delete_access": true,
           "move_access": true,
           "read_access": true,
           "write_access": true
        },
        "external_ids": [],
        "has_draft": false,
        "has_references": false,
        "has_versions": true,
        "id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
        "keywords": [],
        "links": null,
        "modified": "2018-12-04T11:14:13.000Z",
        "modified_by": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "opened": null,
        "owner": null,
        "parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
        "permanent": false,
        "properties": [],
        "public_classification_code": "04.04-2018-000003/000002",
        "retention": null,
        "security_class": {
           "inherited": true,
           "value": "Confidential"
        },
        "significance": {
           "inherited": true,
           "value": null
```

```
        },
        "status": null,
        "sub_entity_templates": [],
        "template": {
           "id": "FiledDocument",
           "uri": null,
           "label": "Filed document",
           "entity_type": "DOCUMENT"
        },
        "title": "Doc 02",
        "type": "DOCUMENT",
        "version": 4,
        "version_label": "2.2"
     }, {
        "accessed": "2018-12-04T11:11:39.000Z",
        "aip": true,
        "categories": [],
        "check_in_comment": null,
        "child_classification_code_generated": null,
        "child_count": 0,
        "classification_code": "C=04^C=04^F=2018-000003^D=000002",
        "closed": null,
        "created": "2018-11-29T10:56:37.000Z",
        "creator": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "description": null,
        "draft": false,
        "draft_creator": null,
        "draft_id": null,
        "effective_rights": {
           "create_references": true,
           "create_sub_entities": true,
           "change_retention": true,
           "change_rights": true,
           "change_security_class": true,
           "change_status": true,
           "delete_access": true,
           "move_access": true,
           "read_access": true,
           "write_access": true
        },
        "external_ids": [],
        "has_draft": false,
        "has_references": false,
        "has_versions": true,
        "id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
        "keywords": [],
        "links": null,
        "modified": "2018-12-04T11:03:16.000Z",
        "modified_by": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "opened": null,
        "owner": null,
        "parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
        "permanent": false,
        "properties": [],
        "public_classification_code": "04.04-2018-000003/000002",
```

```
        "retention": null,
        "security_class": {
           "inherited": true,
           "value": "Confidential"
        },
        "significance": {
           "inherited": true,
           "value": null
        },
        "status": null,
        "sub_entity_templates": [],
        "template": {
           "id": "FiledDocument",
           "uri": null,
           "label": "Filed document",
           "entity_type": "DOCUMENT"
        },
        "title": "Doc 02",
        "type": "DOCUMENT",
        "version": 3,
        "version_label": "2.1"
     }, {
        "accessed": "2018-12-04T11:03:13.000Z",
        "aip": true,
        "categories": [],
        "check_in_comment": null,
        "child_classification_code_generated": null,
        "child_count": 0,
        "classification_code": "C=04^C=04^F=2018-000003^D=000002",
        "closed": null,
        "created": "2018-11-29T10:56:37.000Z",
        "creator": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "description": null,
        "draft": false,
        "draft_creator": null,
        "draft_id": null,
        "effective_rights": {
           "create_references": true,
           "create_sub_entities": true,
           "change_retention": true,
           "change_rights": true,
           "change_security_class": true,
           "change_status": true,
           "delete_access": true,
           "move_access": true,
           "read_access": true,
           "write_access": true
        },
        "external_ids": [],
        "has_draft": false,
        "has_references": false,
        "has_versions": true,
        "id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
        "keywords": [],
        "links": null,
        "modified": "2018-12-04T11:02:59.000Z",
        "modified_by": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
```

```
            "type": "USER"
         },
         "opened": null,
         "owner": null,
         "parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
         "permanent": false,
         "properties": [],
         "public_classification_code": "04.04-2018-000003/000002",
         "retention": null,
         "security_class": {
            "inherited": true,
            "value": "Confidential"
         },
         "significance": {
            "inherited": true,
            "value": null
         },
         "status": null,
         "sub_entity_templates": [],
         "template": {
            "id": "FiledDocument",
            "uri": null,
            "label": "Filed document",
            "entity_type": "DOCUMENT"
         },
         "title": "Doc 02",
         "type": "DOCUMENT",
         "version": 2,
         "version_label": "2"
      }, {
         "accessed": "2018-12-04T11:02:56.000Z",
         "aip": true,
         "categories": [],
         "check_in_comment": null,
         "child_classification_code_generated": null,
         "child_count": 0,
         "classification_code": "C=04^C=04^F=2018-000003^D=000002",
         "closed": null,
         "created": "2018-11-29T10:56:37.000Z",
         "creator": {
            "id": "admin",
            "uri": null,
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         },
         "description": null,
         "draft": false,
         "draft_creator": null,
         "draft_id": null,
         "effective_rights": {
            "create_references": true,
            "create_sub_entities": true,
            "change_retention": true,
            "change_rights": true,
            "change_security_class": true,
            "change_status": true,
            "delete_access": true,
            "move_access": true,
            "read_access": true,
            "write_access": true
         },
         "external_ids": [],
         "has_draft": false,
         "has_references": false,
         "has_versions": true,
         "id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
         "keywords": [],
         "links": null,
```

```
        "modified": "2018-11-29T10:56:37.000Z",
        "modified_by": {
           "id": "admin",
           "uri": null,
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "opened": null,
        "owner": null,
        "parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
        "permanent": false,
        "properties": [],
        "public_classification_code": "04.04-2018-000003/000002",
        "retention": null,
        "security_class": {
           "inherited": true,
           "value": "Confidential"
        },
        "significance": {
           "inherited": true,
           "value": null
        },
        "status": null,
        "sub_entity_templates": [],
        "template": {
           "id": "FiledDocument",
           "uri": null,
           "label": "Filed document",
           "entity_type": "DOCUMENT"
        },
        "title": "Doc 02",
        "type": "DOCUMENT",
        "version": 1,
        "version_label": "1"
     }
  ]
}
```


5.1.18.2 Drafts read

Operation read drafts.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveId}/drafts.json

Request header

Authorization: Bearer [session token]

Request parameters

If no filter has been set, the basic entity information is *id*, *title*, *description*, *type*, *classification_code*, *public_classification_code*, *status*, and the links of the *entity* and *entity:stub* type.

filter	String	Filter defines the scope of the entity information (optional). The set of values: - all: All public information and links to the entities. - links: Links to the entities. - props: Public information on entity properties. - templates: Templates for child entities creation.
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when pageStart in pageSize parameters are present.
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code of the entity (default value). - »sys:Creator«: The creator of the entity. - »sys:Owner«: The owner of the entity. - »sys:Opened«: Date and time of the entity status change to Opened. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - unique identifier of the property.
sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.
categoryProperties	String	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

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Response

See chapter EntitiesResponse

Response status

200 – Entity drafts read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity drafts read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/drafts.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "size": 3,
  "entities": [{
        "id": "EmVprsxfM4_xYkThXI8ojTfpY9kRZZNM",
        "title": "Supervisor act",
        "type": "DOCUMENT"
     }, {
        "description": "2018 documents",
        "id": "HAP2mq250TqdeOjDPhft7O26_5UvMkz-",
        "title": "ISO document 6500",
        "type": "DOCUMENT"
     }, {
        "id": "8PWiq53FDiysa-QgQ6nmWRxkYMPtACI3",
        "title": "Great document",
        "type": "DOCUMENT"
     }
  ],
  "categories": []
}
```

5.1.18.3 Check out draft

Operation creates draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/entities/{id}/check_out.json

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/check_out.json

The set of entityIdKind values: C, E, I.

Request parameters

version	Integer	Entity version (optional).

Request header

Authorization: Bearer [session token]

Response

See chapter EntityStubResponse

Response status

200 – Entity draft created successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity draft check out.

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw/check_out.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Content-Type: application/json

Response

Definition


```
{
  "entity_stub": {
     "accessed": "2018-12-04T12:42:16.000Z",
     "aip": false,
     "categories": [],
     "child_count": 0,
     "created": "2018-12-04T12:42:16.000Z",
     "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "draft": true,
     "effective_rights": {
        "create_references": true,
        "create_sub_entities": true,
        "change_retention": true,
        "change_rights": true,
        "change_security_class": true,
        "change_status": true,
        "delete_access": true,
        "move_access": true,
        "read_access": true,
        "write_access": true
     },
     "external_ids": [],
     "has_draft": false,
     "has_references": false,
     "has_versions": false,
     "id": "0AcjeLqDLCyQDkT4BLpZKlItDkYRVoCI",
     "keywords": [],
     "modified": "2018-12-04T12:42:16.000Z",
     "modified_by": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "owner": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "parent_id": "CH1FvxGCtDeOoZo87OXnQiXLr77OQMch",
     "permanent": false,
     "properties": [],
     "security_class": {
        "inherited": true
     },
     "sub_entity_templates": [],
     "template": {
```

```
        "id": "FiledDocument",
        "label": "Filed document",
        "entity_type": "DOCUMENT"
      },
      "title": "Doc 02",
      "type": "DOCUMENT"
    }
}
```

5.1.18.4 Check in draft

Operation checks in a draft. Changes to the draft will be saved to the entity from which the draft was created.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/drafts/{id}/check_in.json

Request header

Authorization: Bearer [session token]

Request content

See chapter EntityCheckInRequest

Response

See chapter EntityStubResponse

Response status

200 – Entity draft checked-in successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity draft check in.

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/drafts/0AcjeLqDLCyQDkT4BLpZKIItDkYRVoCI/check_in.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Content-Type: application/json

Request header

Definition

```
{
  "check_in": {
     "position": 1
  }
}
```

Response

Definition

```
{
  "entity_stub": {
     "aip": true,
     "categories": [],
     "child_count": 0,
     "classification_code": "C=04^C=04^F=2018-000003^D=000002",
     "created": "2018-11-29T10:56:37.000Z",
     "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "draft": false,
     "effective_rights": {
        "create_references": true,
        "create_sub_entities": true,
        "change_retention": true,
        "change_rights": true,
        "change_security_class": true,
        "change_status": true,
        "delete_access": true,
        "move_access": true,
        "read_access": true,
        "write_access": true
     },
     "external_ids": [],
     "has_draft": false,
```

```
      "has_references": false,
      "has_versions": true,
      "id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
      "keywords": [],
      "modified": "2018-12-04T12:45:16.000Z",
      "modified_by": {
         "id": "admin",
         "email": "admin@acme.com",
         "first_name": "",
         "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
         "last_name": "Administrator",
         "type": "USER"
      },
      "parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
      "permanent": false,
      "properties": [],
      "public_classification_code": "04.04-2018-000003/000002",
      "security_class": {
         "inherited": true,
         "value": "Confidential"
      },
      "significance": {
         "inherited": true
      },
      "sub_entity_templates": [],
      "template": {
         "id": "FiledDocument",
         "label": "Filed document",
         "entity_type": "DOCUMENT"
      },
      "title": "Doc 02",
      "type": "DOCUMENT",
      "version": 5,
      "version_label": "2.3"
   }
}
```


5.1.18.5 Discard draft

Operation discards a draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/drafts/{id}/discard.json

Request header

Authorization: Bearer [session token]

Response status

200 – Entity draft discarded successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity draft discard.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/drafts/12TZHZh0-R3BspILxcHEDOVdIL-s579B/discard.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Content-Type: application/json

Response status

200 – Entity draft discarded successfully.

5.1.19 Entity import / export

Users with the »ImportExport« role can export the entire classification scheme or only individual parts. All the metadata and content objects are exported for each entity, and optionally also its audit log and additional metadata. The latter are not a part of the entity metadata and are used only in the archiving process.

Below is a description of operations for importing and exporting entities.

5.1.19.1 Export

Operation exports an entity.

Request

POST archives/{archiveId}/export.zip

and

POST archives/{archiveId}/entities/{id}/export.zip

and

POST archives/{archiveId}/entities/{entityIdKind}:{id}/export.zip

The set of entityIdKind values: C, E, I.

Request parameters

audit_log	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
classes	Boolean	Specifies whether the Class-type entities are exported (default value: true).
documents	Boolean	Specifies whether the Document-type entities are exported (default value: true).
evidence	Boolean	Specifies whether the entity authenticity and integrity proofs are exported (default value: true).
export_parents	Boolean	Specifies whether the parent entities are exported (default value: true).
folders	Boolean	Specifies whether the Folder-type entities are exported (default value: true).
recursive	Boolean	Specifies whether the child entities are exported (default value: true).

Request header

Authorization: Bearer [session token]

Request content (optional)

The dataset of additional metadata on export (XML).

Response

The dataset of exported entities.

ZIP file structure

ExportData/class_x.xml

ExportData/class_x_audit.xml

ExportData/class_x_evidence.xml

ExportData/folder_x.xml

ExportData/folder_x_audit.xml

ExportData/folder_x_evidence.xml

ExportData/document_x.xml

ExportData/document_x_audit.xml

ExportData/document_x_evidence.xml

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ExportData/document_x_y.bin

ExportData/retention_and_dispostion_x.xml

ExportData/retention_and_dispostion_x_mandate_y.format

ExportReport.txt

ExportReport.xml

Response status

200 – Entities exported successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entity export.

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYalvl_u_Dm2lYIwBDVKaDSw/export.zip?classes=false&folders=false&documents=true&audit_log=false&recursive=false&export_parents=false&evidence=false

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

The dataset of exported entities.

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5.1.19.2 Export log read

Operation reads the entities export logs.

Request

GET archives/{archiveId}/log/export.json

Request header

Authorization: Bearer [session token]

Request parameters

If filter is not set, basic entity information are: *id*, *title*, *description*, *type*, *classification_code*, *public_classification_code*, *status*, and links are of the type: *entity* and *entity:stub*.

filter	String	Filter defines the scope of the entity information (optional). The set of values: - all: All public information and links to the entities. - links: Links to the entities. - props: Public information on entity properties. - templates: Templates for child entities creation.
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when pageStart in pageSize parameters are present.
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code of the entity (default value). - »sys:Creator«: The creator of the entity. - »sys:Owner«: The owner of the entity. - »sys:Opened«: Date and time of the entity status change to Opened. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - unique identifier of the property.

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sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.
categoryProperties	String	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

Response

See chapter EntitiesResponse

Response status

200 – Entities read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entities export log read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/log/export.json?pageStart=0&pageSize=2

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "size": 51,
  "page_start": 0,
  "page_size": 2,
  "entities": [{
        "classification_code": "C=sys^C=Logs^C=Export^D=0000000001",
        "description": "Export started at 2018-11-14T10:08:04.455+01:00",
        "id": "fRv0-_v1ybWEhbKUC1AYWXMxHVCltCxb",
        "public_classification_code": "sys.Logs.Export/0000000001",
        "status": {
           "inherited": false,
           "value": "Closed"
        },
        "title": "2018-11-14T10:08:04.455+01:00",
        "type": "DOCUMENT"
     }, {
        "classification_code": "C=sys^C=Logs^C=Export^D=0000000002",
        "description": "Export started at 2018-11-14T10:52:08.918+01:00",
        "id": "ZdSOFQNCQRl-YnyR7QOV53aImXA_37x-",
        "public_classification_code": "sys.Logs.Export/0000000002",
        "status": {
           "inherited": false,
           "value": "Closed"
        },
        "title": "2018-11-14T10:52:08.918+01:00",
        "type": "DOCUMENT"
     }
  ],
  "categories": []
}
```


5.1.19.3 Import logs read

Operation reads the entities import logs.

Request

GET archives/{archiveId}/log/import.json

Request header

Authorization: Bearer [session token]

Request parameters

If filter is not set, basic entity information are: *id*, *title*, *description*, *type*, *classification_code*, *public_classification_code*, *status*, and links are of the type: *entity* and *entity:stub*.

filter	String	Filter defines the scope of the entity information (optional). The set of values: - all: All public information and links to the entities. - links: Links to the entities. - props: Public information on entity properties. - templates: Templates for child entities creation.
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when pageStart in pageSize parameters are present.
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code of the entity (default value). - »sys:Creator«: The creator of the entity. - »sys:Owner«: The owner of the entity. - »sys:Opened«: Date and time of the entity status change to Opened. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - unique identifier of the property.
sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.
categoryProperties	String	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

Response

See chapter EntitiesResponse

Response status

200 – Entities read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the entities import log read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/log/import.json?pageStart=0&pageSize=2

Glava zahtevka

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "size": 24,
  "page_start": 0,
  "page_size": 2,
  "entities": [{
        "classification_code": "C=sys^C=Logs^C=Import^D=0000000001",
        "description": "Import started at 2018-11-21T14:00:54.2297695+01:00",
        "id": "dUhVISje_3Jd2z98s3jcp-1dXgq4F3EB",
        "public_classification_code": "sys.Logs.Import/0000000001",
        "status": {
           "inherited": false,
           "value": "Closed"
        },
        "title": "2018-11-21T14:00:54.2297695+01:00",
        "type": "DOCUMENT"
     }, {
        "classification_code": "C=sys^C=Logs^C=Import^D=0000000002",
        "description": "Import started at 2018-11-21T14:03:30.0163403+01:00",
        "id": "YfS4Ea4N9CE_ZMLxZQlJvhN99D2FWS6b",
        "public_classification_code": "sys.Logs.Import/0000000002",
        "status": {
           "inherited": false,
           "value": "Closed"
        },
        "title": "2018-11-21T14:03:30.0163403+01:00",
        "type": "DOCUMENT"
     }
  ],
  "categories": []
}
```


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5.1.20 Review

Each entity in the classification scheme has its own life span. Each class, folder or document classified directly under a class must have at least one effective retention period set, which specifies the time frame for the retention of an individual entity in the archive system. In addition to the time frame, the retention period also contains the default action which will be implemented in the review process. The user can change the action during a controlled and planned process for executing the transfer, disposition or permanent retention of electronic content. Below is a description of operations for the review process.

5.1.20.1 Reviews read

Operation reads the reviews.

Request

GET archives/{archiveId}/reviews.json

Request header

Authorization: Bearer [session token]

Response

See chapter ReviewsResponse

Response status

200 – Reviews read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.20.2 Review public information read

Operation reads a review public information.

Request

GET archives/{archiveId}/reviews/{id}/stub.json

Request header

Authorization: Bearer [session token]

Response

See chapter ReviewResponse

Response status

200 – Review read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the review public information read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/reviews/ePoesU-YEC3WrOmF2zaSfT94eD4mNYmc/stub.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Response

Definition


```
{
  "review": {
     "accessed": "2018-11-13T09:10:55.273Z",
     "aip": true,
     "created": "2018-10-24T09:54:54.296Z",
     "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "description": "5 years Regular review",
     "effective_rights": {
        "create_references": true,
        "create_sub_entities": true,
        "change_retention": true,
        "change_rights": true,
        "change_security_class": true,
        "change_status": true,
        "delete_access": true,
```

```
        "move_access": true,
        "read_access": true,
        "write_access": true
     },
     "id": "ePoesU-YEC3WrOmF2zaSfT94eD4mNYmc",
     "keywords": ["regular"],
     "message": "Review prepared",
     "modified": "2018-10-24T09:55:22.206Z",
     "opened": "2018-10-24T09:54:54.000Z",
     "owner": {
        "id": "rsalazar",
        "email": "ron.salazar@acme.com",
        "first_name": "Ron",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/rsalazar/avatar",
        "last_name": "Salazar",
        "type": "USER"
     },
     "state": "InReview",
     "status": {
        "inherited": false,
        "value": "Opened"
     },
     "title": "Review A-7  July 2018"
  }
}
```


5.1.20.3 Closing an open review

The operation closes an open review. The review is closed with the unique identifier obtained when opening the entity for reading, editing or creating. In the closing operation, the response is without content; the success of the operation is demonstrated with the status of the response.

Request

GET archives/{archiveId}/reviews/{id}/handle/close.json

Request header

Authorization: Bearer [session token]

Request status

200 – Open review closed successfully.

401 - Unauthorized, username and password are incorrect.

404 - Object not found.

500 - Server error.

5.1.20.4 Review open

The operation opens a review for reading and returns a unique identifier of the open review, which carries out different operations (where the value of reviewIdType can equal H).

Request

GET archives/{archiveId}/reviews/{id}/handle/open.json

Request header

Authorization: Bearer [session token]

Response status

200 – Review opened successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.20.5 Opening a review for editing

The operation opens a review for editing and returns a unique identifier of the open review, which carries out different operations (where the value of reviewIdType can equal H).

Request

GET archives/{archiveId}/reviews/{id}/handle/edit.json

Request header

Authorization: Bearer [session token]

Response

See chapter EntityOpenResponse

Response status

200 – Review opened successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.20.6 Opening a review for creating

The operation opens a review for creating and returns a unique identifier of the open review, which carries out different operations (where the value of reviewIdKind can equal H).

The review can be created from multiple retention policies or from a query expression.

Request

POST archives/{archiveId}/reviews/create.json

Request header

Authorization: Bearer [session token]

Request content

See chaspter ReviewCreateHandleRequest

Response

See chapter EntityOpenResponse

Response status

200 – Review opened successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of opening a review for creating.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/reviews/create.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

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Request content

Definition

```
{
  "retention_policies": ["5CobtV-H1DNFXeph2W3lGEafgazOvtfp"]
}
```

Response

Definition

```
{
  "handle": "70df7ae6-b289-4062-acb1-22b134967a62"
}
```

5.1.20.7 Review read

Operation reads review information.

Request

GET archives/{archiveId}/reviews/{id}.json

and

GET archives/{archiveId}/reviews/{reviewIdType}:{id}.json

The set of entityIdKind values: H, I.

Request header

Authorization: Bearer [session token]

Response

See chapter ReviewResponse

Response status

200 – Review read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.20.8 Review pages read

Operation reads a review pages.

Response

GET archives/{archiveId}/reviews/{id}/items/{itemId}.json

and

GET archives/{archiveId}/reviews/{reviewIdType}:{id}/items/{itemId}.json

The set of reviewIdType values: H, I.

Request header

Authorization: Bearer [session token]

Response

See chapter ReviewItemResponse

Response status

200 - Review pages read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the review pages read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/reviews/H:6146cc0e-a7bd-48ab-a4e6-9d1c21143049/items/QLoVa9H8UTdeCe8bqlpnZ7ZTbg9VEYFy.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

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Response

Definition


```
{
  "item": {
     "actions": ["Permanent", "Transfer", "Review", "Dispose"],
     "entities": [{
           "action": "Transfer",
           "comment": "",
           "classification_code": "C=02^C=01^C=01^F=2017-000006",
           "reason": "Retention policy conflict. No default reason available.",
           "title": "Mtg w/Joe Kiskill, Jim Hughes & Rick Shapiro- EB3324",
           "transfer_id": "",
           "type": "FOLDER"
        }, {
           "action": "Dispose",
           "comment": "Not important any more",
           "classification_code": "C=02^C=01^C=01^F=2017-000017",
           "reason": "Obsolete",
           "title": "Mtg w/Pavel Zadorozhny - EB3324 (x34778)",
           "transfer_id": "858685",
           "transferred": true,
           "type": "FOLDER"
        }, {
           "action": "Transfer",
           "comment": "",
           "classification_code": "C=02^C=01^C=01^F=2017-000020",
           "reason": "Retention policy conflict. No default reason available.",
           "title": "Frevert traveling til 5/23",
           "transfer_id": "",
           "type": "FOLDER"
        }
     ],
     "id": "QLoVa9H8UTdeCe8bqlpnZ7ZTbg9VEYFy",
     "title": "Decisions - Page 1"
  }
}
```


5.1.20.9 Modifying an entity on a review page

The operation modifies an entity on a review page.

Request

PUT archives/{archiveId}/reviews/{id}/items/{itemId}/entity/{entityId}.json

and

PUT

archives/{archiveId}/reviews/{reviewIdType}:{id}/items/{itemId}/entity/{entityId}.json

The set of reviewIdType values: H, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter ReviewEntityStubUpdateRequest

Response

See chapter ReviewEntityStubResponse

Response status

200 – Entity updated successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of modifying an entity on a review page.

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/reviews/H:22ac84a8-1a18-4a11-9925-cab1e8301133/items/4204VDnqWpwfW2MrvietHKKeouNf13bZ/entity/C=02%5EC=01%5EC=01%5EF=2017-000040.json

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Request content

Definition

```
{
  "entity": {
     "action": "Permanent",
     "reason": "Retention policy conflict. No default reason available."
  }
}
```

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Response

Definition

```
{
  "entity": {
     "action": "Permanent",
     "classification_code": "C=02^C=01^C=01^F=2017-000040",
     "reason": "Retention policy conflict. No default reason available.",
     "title": "Bonus amounts due back to HR",
     "type": "FOLDER"
  }
}
```

5.1.20.10 Review create

Operation creates and saves a review page.

Request

POST archives/{archiveId}/reviews.json

Request header

Authorization: Bearer [session token]

Request content

See chapter ReviewCreateRequest

Response

See chapter ReviewReponse

Response status

200 – Review created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

5.1.20.11 Review update

Operation updates a review.

Request

PUT archives/{archiveId}/reviews/{id}.json

and

PUT archives/{archiveId}/reviews/{reviewIdType}:{id}.json

The set of entityIdKind values: H, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter ReviewUpdateRequest

Response

See chapter ReviewReponse

Response status

200 – Review created successfully.

400 – Bad request.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

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5.1.20.12 Review audit log read

Operation reads a review audit log.

Request

GET archives/{archiveId}/reviews/{id}/audit_log.json

and

GET archives/{archiveId}/reviews/{id}/audit_log.csv

and

GET archives/{archiveId}/reviews/{id}/audit_log.xml

See chapter Entity audit log read

5.1.20.13 Review authenticity evidence read

Operation reads a review authenticity evidence information.

Request

GET archives/{archiveId}/reviews/{id}/nonrepudiation.zip

and

GET archives/{archiveId}/reviews/{reviewIdType}:{id}/nonrepudiation.zip

The set of reviewIdType values: H, I.

See chapter Authenticity

5.1.20.14 Review template read

Operation reads a review template information.

Request

GET archives/{archiveId}/reviews/{id}/template.json

and

GET archives/{archiveId}/reviews/{reviewIdType}:{id}/template.json

The set of reviewIdType values: H, I.

See chapter Template read

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5.1.20.15 Review access right read

Operation reads a review access right information.

Request

GET archives/{archiveId}/reviews/{id}/acl.json

and

GET archives/{archiveId}/reviews/{reviewIdType}:{id}/acl.json

The set of reviewIdType values: H, I.

See chapter Entity access right read

5.1.20.16 Review access right create

Operation creates a review access right.

Request

POST archives/{archiveId}/reviews/{id}/acl.json

and

POST archives/{archiveId}/reviews/{reviewIdType}:{id}/acl.json

The set of reviewIdType values: H, I.

See chapter Review access right create

5.1.20.17 Review access right update

Operation updates an entity explicit access right.

Request

PUT archives/{archiveId}/reviews/{id}/acl/{entryId}.json

and

PUT archives/{archiveId}/reviews/{reviewIdType}:{id}/acl/{entryId}.json

The set of reviewIdType values: H, I.

See chapter Entity access right update

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5.1.20.18 Review property access right update

Operation updates a review property explicit access rights.

Request

PUT archives/{archiveId}/reviews/{id}/acl/{propertyName}/{entryId}.json

and

PUT archives/{archiveId}/reviews/{reviewIdType}:{id}/acl/{propertyName}/{entryId}.json

The set of reviewIdType values: H, I.

See chapter Entity property access right update

5.1.20.19 Review access right delete

Operation deletes an entity access right.

Request

DELETE archives/{archiveId}/reviews/{id}/acl/{entryId}.json

and

DELETE archives/{archiveId}/reviews/{reviewIdType}:{id}/acl/{entryId}.json

The set of reviewIdType values: H, I.

See chapter Entity access right delete

5.1.20.20 Review property access right delete

Operation deletes a review property access right.

Request

DELETE archives/{archiveId}/reviews/{id}/acl/{propertyName}/{entryId}.json

and

DELETE archives/{archiveId}/reviews/{reviewIdType}:{id}/acl/{propertyName}/{entryId}.json

The set of reviewIdType values: H, I.

See chapter Entity property access right delete

5.1.20.21 Review entities transfer

Operation exports the entities.

Request

POST archives/{archiveId}/reviews/{id}/transfer.zip

Request parameters

audit_log	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
evidence	Boolean	Specifies whether the authenticity and integrity proofs are exported for each entity (default value: true).

Request header

Authorization: Bearer [session token]

Request content (optional)

The dataset of additional metadata on transfer (XML).

Response

The dataset of exported entities.

Response status

200 – Review transferred successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

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5.1.20.22 Review entities transfer confirmation

Operation confirms the entities transfer and updates review pages, where it sets the transfer data for individual entities.

Request

POST archives/{archiveId}/reviews/{id}/confirm_transfer

and

POST archives/{archiveId}/reviews/{reviewIdType}:{id}/confirm_transfer

The set of reviewIdType values: H, I.

Request header

Authorization: Bearer [session token]

Request content

CSV file dataset.

Response

See chapter ReviewResponse

Response status

200 – Entity transferred successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the review entities transfer confirmation.

Request

POST https://apps.imis.eu/scsvc/archives/IARC/reviews/ePoesU-YEC3WrOmF2zaSfT94eD4mNYmc/confirm_transfer

Request header

Authorization: Bearer 372d535b-32f3-4686-a13e-db121f2090f6

Request content

Definition

```
ClassificationCode;Transfered;ReferenceId
C=02^C=01^C=01^F=2017-000040;true;2017-000006
```

Response

Definition

```
{
  "entity": {
     "action": "Permanent",
     "classification_code": "C=02^C=01^C=01^F=2017-000040",
     "reason": "Retention policy conflict. No default reason available.",
     "title": "Bonus amounts due back to HR",
     "type": "FOLDER"
  }
}
```

5.1.21 Disposed and Deleted

Disposed and deleted entities can be read in a stubbed form.

5.1.21.1 Disposed entities read

Operation reads the entities, which were disposed during the review process.

Request

GET archives/{archiveId}/disposed.json

and

GET archives/{archiveId}/disposed/{id}/entities.json

Request parameters

archiveId	String	Unique identifier of the archive.
id	String	Unique identifier of the disposed entity.

Request header

Authorization: Bearer [session token]

Request parameters

pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than search is performed again; otherwise it is performed only first time. Parameter is taken into the account when pageStart in pageSize parameters are present (optional).
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code (default value). - »sys:Creator«: The author of the entity. - »sys:Owner«: vThe owner of the entity. - »sys:Opened«: Date and time of the entity open. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - metadata identifier.
sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.

Response

See chapter DeletionStubsResponse

Response status

200 – Entities read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the disposed entities read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/disposed.json?pageStart=0&pageSize=2

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "size": 4,
  "page_start": 0,
  "page_size": 2,
  "entities": [{
        "agent": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "container": true,
        "child_count": 1,
        "deleted": "2018-11-28T13:11:04.000Z",
        "description": "Regular review 5-years",
        "id": "nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz",
        "title": "Review 18/11/1"
     }, {
        "agent": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "container": true,
        "child_count": 1,
        "deleted": "2018-11-28T13:28:07.000Z",
        "description": "Regular review 5-years",
        "id": "k-CEYhnaR9GMSuQVgGnCFxiTp_zaUsVm",
        "title": "Review 18/11/28"
     }
  ]
}
```


5.1.21.2 Disposed entity read

Operation reads an entity information.

Request

GET archives/{archiveId}/disposed/{id}.json

Request header

Authorization: Bearer [session token]

Response

See chapter DeletionStubResponse

Response status

200 – Entity read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the disposed entity read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/disposed/nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "deletion_stub": {
     "agent": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "container": true,
     "child_count": 1,
     "deleted": "2018-11-28T13:11:04.000Z",
     "description": "Regular review 5-years",
     "id": "nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz",
     "title": "Review 18/11/1"
  }
}
```

5.1.21.3 Disposed entity audit log read

Operation reads the disposed entity audit log.

Request

GET archives/{archiveId}/disposed/{id}/audit_log.json

See chapter Entity audit log read

Example

An example of the disposed entity audit log read.

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/disposed/urMMVFNpVZCBqIFi1Gx6vPvToHCklbE4/audit_log.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "events": [{
        "computer_name": "SERVER",
        "details": "Retention policy conflict. No default reason available.",
        "public_address": "127.0.0.1",
        "time": "2018-11-27T15:01:37Z",
        "type": "ENTITY_DISPOSED",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "SERVER",
        "details": "Changed properties: sys:Description",
        "public_address": "127.0.0.1",
        "time": "2018-11-27T15:01:37Z",
        "type": "PROPERTY_VALUE_CHANGE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
```

```
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "SERVER",
         "details": "Email - body [gI9ZyHJKmq_EuAeZ9PNXuOnDbFaesVhx]",
         "public_address": "127.0.0.1",
         "time": "2018-11-27T15:01:37Z",
         "type": "CONTENT_PART_DELETE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "SERVER",
         "details": "Email - raw [gUQrX1hiY8lhLOWCxptoMpauefE8Ff9q]",
         "public_address": "127.0.0.1",
         "time": "2018-11-27T15:01:37Z",
         "type": "CONTENT_PART_DELETE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:33:34Z",
         "type": "ENTITY_SAVE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Changed properties: Review Trigger",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:33:34Z",
         "type": "PROPERTY_VALUE_CHANGE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:33:19Z",
         "type": "ENTITY_OPEN_READ_WRITE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
```

```
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Added policies:'2 years','3 years','5 years','10 years','10 years +
National Archives'",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:32:18Z",
         "type": "RETENTION_CHANGE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:29:59Z",
         "type": "ENTITY_SAVE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Changed properties: sys:Title, sys:eml:Date, sys:eml:From,
sys:eml:MessageId, sys:eml:Priority, sys:eml:Signed, sys:eml:Subject, sys:eml:To,
sys:eml:ToBCC, sys:eml:ToCC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:29:59Z",
         "type": "PROPERTY_VALUE_CHANGE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Email - body [gI9ZyHJKmq_EuAeZ9PNXuOnDbFaesVhx]",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:29:59Z",
         "type": "CONTENT_PART_SAVE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Email - body [gI9ZyHJKmq_EuAeZ9PNXuOnDbFaesVhx]",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-27T14:29:59Z",
```

```
        "type": "CONTENT_PART_CREATE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "details": "Email - raw [gUQrX1hiY8lhLOWCxptoMpauefE8Ff9q]",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-27T14:29:59Z",
        "type": "CONTENT_PART_SAVE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "details": "Email - raw [gUQrX1hiY8lhLOWCxptoMpauefE8Ff9q]",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-27T14:29:59Z",
        "type": "CONTENT_PART_CREATE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-27T14:29:59Z",
        "type": "ENTITY_CREATE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }
  ]
}
```

5.1.21.4 Deleted entities read

Operation reads the deleted entities.

Request

GET archives/{archiveId}/deleted.json

and

GET archives/{archiveId}/deleted/{id}/entities.json

Request header

Authorization: Bearer [session token]

Request parameters

pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is *true* than search is performed again; otherwise it is performed only first time. Parameter is taken into the account when pageStart in pageSize parameters are present (optional).
sort	String	The sort key of the collection (optional). The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code (default value). - »sys:Creator«: The author of the entity. - »sys:Owner«: vThe owner of the entity. - »sys:Opened«: Date and time of the entity open. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - metadata identifier.
sortOrder	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.

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Response

See chapter DeletionStubsResponse

Response status

200 – Entities read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the deleted entities read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/deleted.json?pageStart=0&pageSize=2

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "size": 48,
  "page_start": 0,
  "page_size": 2,
  "entities": [{
        "agent": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "classification_code": "C=05^C=03",
        "container": false,
        "child_count": 0,
        "deleted": "2018-11-16T14:29:44.000Z",
        "description": "temp",
        "id": "h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q",
        "public_classification_code": "05.03",
        "reason": "temp",
        "title": "Employee Records"
     }, {
        "agent": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "classification_code": "C=06^C=01",
```

```
        "container": false,
        "child_count": 0,
        "deleted": "2018-12-04T08:26:52.000Z",
        "description": "IMiS/Scan project",
        "id": "iWvjJbVX3KohUjcYcOrVhYQSHbYPM2bq",
        "public_classification_code": "06.01",
        "reason": ".",
        "title": "Scan project"
      }
  ]
}
```


5.1.21.5 Deleted entity read

Operation reads an entity information.

Request

GET archives/{archiveId}/deleted/{id}.json

Request header

Authorization: Bearer [session token]

Response

See chapter DeletionStubResponse

Response status

200 – Entity read successfully.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

Example

An example of the deleted entity read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/deleted/h2gvyyUGPT8QNYIL-N7gZaSnGIWGYd5Q.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

Definition


```
{
  "deletion_stub": {
     "agent": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
     },
     "classification_code": "C=05^C=03",
     "container": false,
     "child_count": 0,
     "deleted": "2018-11-16T14:29:44.000Z",
     "description": "temp",
     "id": "h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q",
     "public_classification_code": "05.03",
     "reason": "temp",
     "title": "Employee Records"
  }
}
```


5.1.21.6 Deleted entity audit log read

Operation reads the deleted entity audit log.

Request

GET archives/{archiveId}/deleted/{id}/audit_log.json

See chapter Entity audit log read

Example

An example of the deleted entity audit log read.

Request

GET https://apps.imis.eu/scsvc/archives/IARC/deleted/h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q/audit_log.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

Definition


```
{
  "events": [{
        "computer_name": "MARKOPC",
        "details": "temp",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T14:29:44Z",
        "type": "ENTITY_DELETE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "details": "Changed properties: sys:Description",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T14:29:44Z",
        "type": "PROPERTY_VALUE_CHANGE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T14:16:09Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T14:10:59Z",
        "type": "ENTITY_SAVE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "details": "Added DENY rights for 'sys:Creator': Read: OFF; Write: OFF; Delete: OFF;
Change permissions: OFF; Create entities: OFF; Move: OFF; Change security class: ON; Change
status: ON; Change retention: OFF; Create references: OFF; ValidFrom: 'UNDEFINED' to '2018-10-
31T23:00:00Z'; ValidTo: 'UNDEFINED' to '2018-11-30T22:59:00Z'; ",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
```

```
        "time": "2018-11-16T14:10:59Z",
        "type": "ACL_ENTRY_CHANGE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        },
        "version": 47920,
        "version_label": ""
     }, {
        "computer_name": "MARKOPC",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T14:10:11Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "apps01.imis.si",
        "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
        "public_address": "192.168.50.15",
        "time": "2018-11-16T14:07:24Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
           "id": "sys:Administrator",
           "email": "",
           "first_name": "",
           "last_name": "System Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "apps01.imis.si",
        "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
        "public_address": "192.168.50.15",
        "time": "2018-11-16T14:07:22Z",
        "type": "ENTITY_SAVE",
        "user": {
           "id": "sys:Administrator",
           "email": "",
           "first_name": "",
           "last_name": "System Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "apps01.imis.si",
        "details": "Removed DENY rights for 'sys:Creator': Read: ON; Write: ON; Delete: ON;
Change permissions: ON; Create entities: ON; Move: ON; Change security class: ON; Change
status: ON; Change retention: ON; Create references: ON; ValidFrom: '2018-10-31T23:00:00Z' to
'UNDEFINED'; ValidTo: '2018-11-30T22:59:00Z' to 'UNDEFINED'; ",
        "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
        "public_address": "192.168.50.15",
        "time": "2018-11-16T14:07:22Z",
        "type": "ACL_ENTRY_CHANGE",
        "user": {
           "id": "sys:Administrator",
           "email": "",
           "first_name": "",
           "last_name": "System Administrator",
           "type": "USER"
        },
        "version": 44544,
        "version_label": ""
```

```
      }, {
         "computer_name": "apps01.imis.si",
         "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
         "public_address": "192.168.50.15",
         "time": "2018-11-16T14:07:00Z",
         "type": "ENTITY_OPEN_READ_WRITE",
         "user": {
            "id": "sys:Administrator",
            "email": "",
            "first_name": "",
            "last_name": "System Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "apps01.imis.si",
         "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
         "public_address": "192.168.50.15",
         "time": "2018-11-16T14:06:40Z",
         "type": "ENTITY_OPEN_READ_WRITE",
         "user": {
            "id": "sys:Administrator",
            "email": "",
            "first_name": "",
            "last_name": "System Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T14:01:53Z",
         "type": "ENTITY_SAVE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Added DENY rights for 'sys:Creator': Read: ON; Write: ON; Delete: ON;
Change permissions: ON; Create entities: ON; Move: ON; Change security class: ON; Change
status: ON; Change retention: ON; Create references: ON; ValidFrom: 'UNDEFINED' to '2018-10-
31T23:00:00Z'; ValidTo: 'UNDEFINED' to '2018-11-30T22:59:00Z'; ",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T14:01:53Z",
         "type": "ACL_ENTRY_CHANGE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         },
         "version": 44384,
         "version_label": ""
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T13:59:51Z",
         "type": "ENTITY_OPEN_READ_WRITE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
```

```
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T13:59:48Z",
         "type": "ENTITY_SAVE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "details": "Added DENY rights for 'kclay': Read: OFF; Write: OFF; Delete: OFF; Change
permissions: OFF; Create entities: ON; Move: OFF; Change security class: OFF; Change status:
OFF; Change retention: OFF; Create references: OFF; ValidFrom: 'UNDEFINED' to '2018-09-
30T22:00:00Z'; ValidTo: 'UNDEFINED' to '2018-12-31T22:59:00Z'; ",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T13:59:48Z",
         "type": "ACL_ENTRY_CHANGE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         },
         "version": 44384,
         "version_label": ""
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T13:59:10Z",
         "type": "ENTITY_OPEN_READ_WRITE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T13:57:28Z",
         "type": "ENTITY_OPEN_READ_ONLY",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "MARKOPC",
         "local_address": "192.168.80.67",
         "public_address": "192.168.80.67",
         "time": "2018-11-16T13:11:36Z",
         "type": "ENTITY_OPEN_READ_WRITE",
```

```
        "user": {
           "id": "kclay",
           "email": "keira.clay@acme.com",
           "first_name": "Keira",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
           "last_name": "Clay",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T13:11:14Z",
        "type": "ENTITY_OPEN_READ_ONLY",
        "user": {
           "id": "kclay",
           "email": "keira.clay@acme.com",
           "first_name": "Keira",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
           "last_name": "Clay",
           "type": "USER"
        }
     }, {
        "computer_name": "MARKOPC",
        "local_address": "192.168.80.67",
        "public_address": "192.168.80.67",
        "time": "2018-11-16T13:09:29Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
           "id": "kclay",
           "email": "keira.clay@acme.com",
           "first_name": "Keira",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
           "last_name": "Clay",
           "type": "USER"
        }
     }, {
        "computer_name": "apps01.imis.si",
        "local_address": "192.168.80.51",
        "public_address": "192.168.50.15",
        "time": "2018-11-15T09:39:32Z",
        "type": "ENTITY_OPEN_READ_ONLY",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "apps01.imis.si",
        "local_address": "192.168.80.67",
        "public_address": "192.168.50.15",
        "time": "2018-11-14T10:00:57Z",
        "type": "ENTITY_OPEN_READ_ONLY",
        "user": {
           "id": "admin",
           "email": "admin@acme.com",
           "first_name": "",
           "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
           "last_name": "Administrator",
           "type": "USER"
        }
     }, {
        "computer_name": "apps01.imis.si",
        "local_address": "192.168.80.67",
        "public_address": "192.168.50.15",
        "time": "2018-11-14T09:08:15Z",
        "type": "ENTITY_OPEN_READ_ONLY",
        "user": {
```

```
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "JURE",
         "local_address": "20.1.1.1",
         "public_address": "2a01:260:4086:1280:3cca:8b29:f39:6147",
         "time": "2018-11-13T12:27:04Z",
         "type": "ENTITY_SAVE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "JURE",
         "details": "Changed properties: sys:Creator, sys:Title",
         "local_address": "20.1.1.1",
         "public_address": "2a01:260:4086:1280:3cca:8b29:f39:6147",
         "time": "2018-11-13T12:27:04Z",
         "type": "PROPERTY_VALUE_CHANGE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }, {
         "computer_name": "JURE",
         "local_address": "20.1.1.1",
         "public_address": "2a01:260:4086:1280:3cca:8b29:f39:6147",
         "time": "2018-11-13T12:27:04Z",
         "type": "ENTITY_CREATE",
         "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
         }
      }
   ]
}
```

5.2 SOAP interface

SOAP is a XML-based message protocol designed to expose individual pieces of operations, a web service. It uses XML rather than HTTP to define the content of the message.

SOAP is good for applications that require contracts between provider (API) and consumer, since it can enforce the use of formal contracts defined by WSDL.

An application sends a SOAP request to a server that has web services enabled with the parameters for a search. The server returns a SOAP request, an XML-formatted document with the resulting data.

Since the generated data comes in a standardized machine-parsable format, the requesting application can than integrate it directly.

5.2.1 Types

5.2.1.1 AdministrationAccess

Object provides information on archive administration access.

Scheme

```
<xsi:complexType name="AdministrationAccess">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an archive administration
access</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="deletedEntities" type="xsi:boolean" use="required"/>
  <xsi:attribute name="deletedQueue" type="xsi:boolean" use="required"/>
  <xsi:attribute name="disposedEntities" type="xsi:boolean" use="required"/>
  <xsi:attribute name="exportLogs" type="xsi:boolean" use="required"/>
  <xsi:attribute name="importLogs" type="xsi:boolean" use="required"/>
  <xsi:attribute name="reviews" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

Parameters

deletedEntities	Boolean	Specifies whether the access to deleted entities is enabled.
deletedQueue	Boolean	Specifies whether the access to entities queued for deletion is enabled.
disposedEntities	Boolean	Specifies whether the access to disposed entities is enabled.
exportLogs	Boolean	Specifies whether the access to export logs is enabled.
importLogs	Boolean	Specifies whether the access to import logs is enabled.
reviews	Boolean	Specifies whether the access to reviews is enabled.

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5.2.1.2 ArchiveCertificateReadRequest

Object provides request to read archive certificate.

Scheme

```
<xsi:complexType name="ArchiveCertificateReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a ArchiveCertificateRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.

5.2.1.3 ArchiveCertificateReadResponse

Object provides response to archive certificate read.

Scheme

```
<xsi:complexType name="ArchiveCertificateReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a ArchiveCertificateRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Certificate" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmime:expectedContentTypes="application/octet-
stream"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Certificate	base64Binary	Archive certificate.

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5.2.1.4 Account

Object provides information on the request to change the password of the directory entity of current user.

Scheme

```
<xsi:complexType name="Account">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an account</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:DirectoryEntity">
        <xsi:sequence>
           <xsi:element name="DescriptionEditable" type="xsi:boolean"/>
           <xsi:element name="EmailEditable" type="xsi:boolean"/>
           <xsi:element name="FirstNameEditable" type="xsi:boolean"/>
           <xsi:element name="IconEditable" type="xsi:boolean"/>
           <xsi:element name="LastNameEditable" type="xsi:boolean"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

DescriptionEditable	Boolean	Specifies whether the description is editable.
EmailEditable	Boolean	Specifies whether the email is editable.
FirstNameEditable	Boolean	Specifies whether the first name is editable.
IconEditable	Boolean	Specifies whether the icon is editable.
LastNameEditable	Boolean	Specifies whether the last name is editable.

5.2.1.5 AccountChangePasswordRequest

Object provides request to change the password of the directory entity of current user.

Scheme

```
<xsi:complexType name="AccountChangePasswordRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an AccountChangePassword operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="OldPassword" type="xsi:string"/>
     <xsi:element name="NewPassword" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
OldPassword	String	Current password.
NewPassword	String	New password.

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5.2.1.6 AccountChangePasswordResponse

Object provides response to the request to change the password of the directory entity of current user.

Scheme

```
<xsi:complexType name="AccountChangePasswordResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an AccountChangePassword operation
response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

5.2.1.7 AccountReadRequest

Object provides request to read the directory entity of current user.

Scheme

```
<xsi:complexType name="AccountReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an AccountRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.

5.2.1.8 AccountReadResponse

Object provides response to the request to read the directory entity of current user.

Scheme

```
<xsi:complexType name="AccountReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an AccountRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="DirectoryEntity" type="tns:DirectoryEntity"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

DirectoryEntity	DirectoryEntity	Directory entity.

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5.2.1.9 Archive

Object provides information on archive server.

Scheme

```
<xsi:complexType name="Archive">
  <xsi:annotation>
     <xsi:documentation>Represents a ArchiveRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Name" type="xsi:string"/>
     <xsi:element name="Description" type="xsi:string"/>
     <xsi:element name="Host" type="xsi:string"/>
     <xsi:element name="Capabilities" type="tns:ArchiveCapabilities" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
</xsi:complexType>
```

Parameters

<table>
<tr><td>id</td><td>String</td><td>Unique identifier of the archive server.</td></tr>
<tr><td>Name</td><td>String</td><td>The name of the archive server.</td></tr>
<tr><td>Description</td><td>String</td><td>A description of the archive server.</td></tr>
<tr><td>Host</td><td>String</td><td>The address of the archive server.</td></tr>
<tr><td>Capabilities</td><td>ArchiveCapabilities</td><td>The information on user roles.</td></tr>
<tr><td>Features</td><td>ArchiveFeatures</td><td>Object provides information on entity content objects management.</td></tr>
<tr><td>EffectiveRights</td><td>EntityRights</td><td>Object provides the effective rights of user (optional).</td></tr>
<tr><td>Secure</td><td>Boolean</td><td>Specifies whether the iarcs protocol is used.</td></tr>
<tr><td>ServiceName</td><td>String</td><td>The title of the arhive service.</td></tr>
<tr><td>ServiceVersion</td><td>Long</td><td>The version of the archive service.
The set of values:
<table>
<tr><td>Value</td><td>Version</td></tr>
<tr><td>590</td><td>9</td></tr>
<tr><td>670</td><td>9.7</td></tr>
<tr><td>685</td><td>9.8</td></tr>
<tr><td>690</td><td>9.9</td></tr>
</table></td></tr>
<tr><td>AdministrationAccess</td><td>AdministrationAccess</td><td>Object defines administration access.</td></tr>
<tr><td>id</td><td>String</td><td>Unique identifier of the archive server.</td></tr>
</table>

5.2.1.10 ArchiveCapabilities

Object provides information on user roles.

Scheme

```
<xsi:complexType name="ArchiveCapabilities">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an archive capabilities</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="auditQuery" type="xsi:boolean" use="required"/>
  <xsi:attribute name="importExport" type="xsi:boolean" use="required"/>
  <xsi:attribute name="reports" type="xsi:boolean" use="required"/>
  <xsi:attribute name="review" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

Parameters

auditQuery	Boolean	Allows access to the audit log.
contentManagement	Boolean	Allows content management.
draftManagement	Boolean	Allows draft management.
importExport	Boolean	Allows import and export of the entities.
reports	Boolean	The role allows: - Display system reports on export and import. - Display system reports on user access, folders, documents, content and retention policies. - Print information on classes, folders and documents. - Print classes and folders.

5.2.1.11 ArchiveFeatures

Object provides information on entity content objects management.

Scheme

```
<xsi:complexType name="ArchiveFeatures">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an archive features</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="contentConvert" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentDetach" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentIndex" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentMove" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

Parameters

contentConvert	Boolean	Enables conversion of the entity content object.
contentDetach	Boolean	Enables detachment of the entity content object.
contentIndex	Boolean	Enables indexing of the entity content object.
contentMove	Boolean	Enables moving content object to another entity.

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5.2.1.12 ArchiveConfig

Object provides information on single archive.

Scheme

```
<xsi:complexType name="ArchiveConfig">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an archive config</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Name" type="xsi:string"/>
     <xsi:element name="Description" type="xsi:string"/>
     <xsi:element name="Host" type="xsi:string"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
</xsi:complexType>
```

Parameters

Name	String	The name of the archive server.
Description	String	A description of the archive server.
Host	String	The address of the archive server.
id	String	Unique identifier of the archive.

5.2.1.13 ArchiveReadRequest

Object provides request to read the archive.

Scheme

```
<xsi:complexType name="ArchiveReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a ArchiveRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.

5.2.1.14 ArchiveReadResponse

Object provides response to the archive read.

Scheme

```
<xsi:complexType name="ArchiveReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a ArchiveRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Archive" type="tns:Archive"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Archive	Archive	The archive server.

5.2.1.15 ArchivesReadRequest

Object provides request to read the archives.

Scheme

```
<xsi:complexType name="ArchivesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ArchivesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
  </xsi:sequence>
</xsi:complexType>
```

5.2.1.16 ArchivesReadResponse

Object provides response to the archives read.

Scheme

```
<xsi:complexType name="ArchivesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ArchivesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Archive" type="tns:ArchiveConfig" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Archive	ArchiveConfig []	The archive servers (optional).

5.2.1.17 AuditLogEvent

Object provides information on audit log event.

Scheme

```
<xsi:complexType name="AuditLogEvent">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a audit log event</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Details" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="time" type="xsi:string"/>
  <xsi:attribute name="user" type="xsi:string"/>
  <xsi:attribute name="publicAddress" type="xsi:string"/>
  <xsi:attribute name="localAddress" type="xsi:string"/>
  <xsi:attribute name="computerName" type="xsi:string"/>
  <xsi:attribute name="type" type="tns:AuditLogEventType"/>
</xsi:complexType>
```

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Parameters

Delegate	String	A Delegate.
Details	String	A detailed description of audit log event (optional).
User	String	The user who carried out audit log event.
computerName	String	The name of the computer device.
localAddress	String	Internal IP address.
publicAddress	String	External IP address.
time	String	Date and time of audit log event.
type	AuditLogEventType	Audit log event type.

5.2.1.18 AuditLogEventType

Object provides information on audit log event type.

Scheme

```
<xsi:simpleType name="AuditLogEventType">
  <xsi:annotation>
     <xsi:documentation>Represents an audit log event type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Invalid"/>
     <xsi:enumeration value="EntityCreate"/>
     <xsi:enumeration value="EntityOpenReadOnly"/>
     <xsi:enumeration value="EntityOpenReadWrite"/>
     <xsi:enumeration value="EntitySave"/>
     <xsi:enumeration value="EntityMove"/>
     <xsi:enumeration value="EntityDelete"/>
     <xsi:enumeration value="AuditLogQuery"/>
     <xsi:enumeration value="ConfigurationChange"/>
     <xsi:enumeration value="PropertyValueChange"/>
     <xsi:enumeration value="ACLEntryChange"/>
     <xsi:enumeration value="PhysicalEntityChange"/>
     <xsi:enumeration value="SecurityClassChange"/>
     <xsi:enumeration value="StatusChange"/>
     <xsi:enumeration value="RetentionChange"/>
     <xsi:enumeration value="Unused2"/>
     <xsi:enumeration value="Unused3"/>
     <xsi:enumeration value="ContentPartOpenReadOnly"/>
     <xsi:enumeration value="ContentPartOpenReadWrite"/>
     <xsi:enumeration value="ContentPartCreate"/>
     <xsi:enumeration value="ContentPartDelete"/>
     <xsi:enumeration value="ContentPartSave"/>
     <xsi:enumeration value="ContentPartMetadataChange"/>
     <xsi:enumeration value="EntityDisposed"/>
     <xsi:enumeration value="EntityPermanent"/>
     <xsi:enumeration value="EntityTransferred"/>
     <xsi:enumeration value="EntityReviewed"/>
     </xsi:restriction>
</xsi:simpleType>
```

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Parameters

Invalid	Enumerator.
EntityCreate	Enumerator.
EntityOpenReadOnly	Enumerator.
EntityOpenReadWrite	Enumerator.
EntitySave	Enumerator.
EntityMove	Enumerator.
EntityDelete	Enumerator.
AuditLogQuery	Enumerator.
ConfigurationChange	Enumerator.
PropertyValueChange	Enumerator.
ACLEntryChange	Enumerator.
PhysicalEntityChange	Enumerator.
SecurityClassChange	Enumerator.
StatusChange	Enumerator.
RetentionChange	Enumerator.
ContentPartMove	Enumerator.
ContentPartOpenReadOnly	Enumerator.
ContentPartOpenReadWrite	Enumerator.
ContentPartCreate	Enumerator.
ContentPartDelete	Enumerator.
ContentPartSave	Enumerator.
ContentPartMetadataChange	Enumerator.
EntityDisposed	Enumerator.
EntityPermanent	Enumerator.
EntityTransferred	Enumerator.
EntityReviewed	Enumerator.
EntityCheckOut	Enumerator.
EntityCheckIn	Enumerator.
EntityDiscard	Enumerator.

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5.2.1.19 AuditLogRawReadRequest

Object provides request to read the audit log in different formats.

Scheme

```
<xsi:complexType name="AuditLogRawReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an AuditLogRawRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Type" type="tns:AuditLogRawType"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Event	AuditLogEvent []	Collection of audit log events (optional).

5.2.1.20 AuditLogRawReadResponse

Object provides response to the request to read the audit log in different formats.

Scheme

```
<xsi:complexType name="AuditLogRawReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an AuditLogRawRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="AuditLog" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

AuditLog	String	Audit log events (optional).

5.2.1.21 AuditLogReadResponse

Object provides response to the request to read the audit log.

Scheme

```
<xsi:complexType name="AuditLogReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an AuditLogRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Event" type="tns:AuditLogEvent" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Event	AuditLogEvent []	Collection of audit log events (optional).

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5.2.1.22 AuditLogRawType

Object provides information on the audit log type.

Scheme

```
<xsi:simpleType name="AuditLogRawType">
  <xsi:annotation>
     <xsi:documentation>Represents an audit log raw type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="CSV"/>
     <xsi:enumeration value="XML"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

CSV	Enumerator.
XML	Enumerator.

5.2.1.23 Authentication

Object provides information on authentication.

Scheme

```
<xsi:complexType name="Authentication">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of authentication</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Username" type="xsi:string"/>
     <xsi:element name="Password" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="LDAPPassword" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Kerberos5ServiceTicket" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmime:expectedContentTypes="application/octet-
stream" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Username	String	The user name.
Password	String	The password (optional).
LDAPPassword	String	LDAP password (optional).
Kerberos5ServiceTicket	base64Binary	Kerberos5 service ticket (optional).

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5.2.1.24 BinaryProperty

Object provides information on »Binary« property type.

Scheme

```
<xsi:complexType name="BinaryProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a binary property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:complexContent>
                    <xsi:extension base="tns:BinaryValue">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:complexContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	BinaryValue []	»Binary« property value (optional).
key	String	Value key (optional).

5.2.1.25 BinaryPropertyUpdate

Object updates the »Binary« property type.

Scheme

```
<xsi:complexType name="BinaryPropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating binary property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="tns:BinaryValue" minOccurs="0"
maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	BinaryValue []	»Boolean« property value (optional).

5.2.1.26 BinaryValue

Object provides information on »Binary« value type.

Scheme

```
<xsi:complexType name="BinaryValue">
  <xsi:annotation>
     <xsi:documentation>>Represents binary value type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Content" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmime:expectedContentTypes="application/octet-
stream"/>
     <xsi:element name="ContentType" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Content	base64Binary	Content.
ContentType	String	Content type.

5.2.1.27 BoolProperty

Object provides information on »Boolean« property type.

Scheme

```
<xsi:complexType name="BoolProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a bool property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:boolean">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Boolean []	»Boolean« property value.
key	String	Value key.

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5.2.1.28 BoolPropertyUpdate

Object updates the »Boolean« property type.

Scheme

```
<xsi:complexType name="BoolPropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating bool property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:boolean" minOccurs="0"
maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Boolean []	»Boolean« property value.

5.2.1.29 Category

Object provides information on category.

Scheme

```
<xsi:complexType name="Category">
  <xsi:annotation>
     <xsi:documentation>Represents a category</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="name" type="xsi:string"/>
  <xsi:attribute name="size" type="xsi:unsignedInt"/>
</xsi:complexType>
```

Parameters

name	String	Category name.
size	unsignedInt	Category size.

5.2.1.30 CollectionReadRequest

Object provides request to read the collection.

Scheme

```
<xsi:complexType name="DraftsReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an DraftsRead operation request</xsi:documentation>
  </xsi:annotation>
     <xsi:sequence>
        <xsi:element name="SessionToken" type="xsi:string"/>
        <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Sort" type="tns:EntityStubSort" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="CategoryProperty" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Filter	EntityStubFilter	Filter (optional).
Paging	EntityStubPaging	Entity paging information (optional).
Sort	EntityStubSort	Sorting of entities (optional).
CategoryProperty	String []	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
Category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

5.2.1.31 CheckInRequest

Object provides request to check in a draft.

Scheme

```
<xsi:complexType name="CheckInRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a CheckIn operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Position" type="xsi:short" nillable="true"/>
     <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

<table>
<tr><td>SessionToken</td><td>String</td><td>Unique identifier of the session.</td></tr>
<tr><td>Id</td><td>EntityId</td><td>Unique identifier of the entity.</td></tr>
<tr><td>Position</td><td>short</td><td>The position of the version.
The set of values:
<table>
<tr><th>Value</th><th>Description</th></tr>
<tr><td>0</td><td>Major (e.g. 2)</td></tr>
<tr><td>1</td><td>Minor (e.g. 2.1)</td></tr>
<tr><td>2</td><td>3rd level (e.g. 2.1.1)</td></tr>
<tr><td>3</td><td>4th level (e.g. 2.1.1.1)</td></tr>
<tr><td>null</td><td>Overwrite current version.</td></tr>
</table></td></tr>
<tr><td>Comment</td><td>String</td><td>Comment to the version (optional).</td></tr>
</table>

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5.2.1.32 CheckOutRequest

Object provides request to create a draft.

Scheme

```
<xsi:complexType name="CheckOutRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a CheckOut operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Version	int	Entity version (optional).

5.2.1.33 DateProperty

Object provides information on »Date« property type.

Scheme

```
<xsi:complexType name="DateProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a date property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:date">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Date []	»Date« property value.
key	String	Value key.

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5.2.1.34 DatePropertyUpdate

Object updates the »Date« property type.

Scheme

```
<xsi:complexType name="DatePropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating date property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:date" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Date []	»Date« property value.

5.2.1.35 DateTimeProperty

Object provides information on »DateTime« property type.

Scheme

```
<xsi:complexType name="DateTimeProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a date time property</xsi:documentation>
  /xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:dateTime">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	dateTime []	»DateTime« property value.
key	String	Value key.

5.2.1.36 DateTimePropertyUpdate

Object updates the »DateTime« property type.

Scheme

```
<xsi:complexType name="DateTimePropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating date time property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:dateTime" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	dateTime []	»DateTime« property value.

5.2.1.37 DecimalProperty

Object provides information on »Decimal« property type.

Scheme

```
<xsi:complexType name="DecimalProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a decimal1 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:decimal">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	decimal []	»Decimal« property value.
key	String	Value key.

5.2.1.38 DecimalPropertyUpdate

Object updates the »Decimal« property type.

Scheme

```
<xsi:complexType name="DecimalPropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating Decimal property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:decimal" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	decimal []	»Decimal« property value.

5.2.1.39 DeletedEntitiesReadRequest

Object provides request to read deleted entities.

Scheme

```
<xsi:complexType name="DeletedEntitiesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an DeletedEntitiesRead operation
request</xsi:documentation>
  </xsi:annotation>
     <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Sort" type="tns:EntityStubSort" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of deleted entity (optional).
Paging	EntityStubPaging	Entity paging information (optional).
Sort	EntityStubSort	Sorting of entities (optional).

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5.2.1.40 DeletedEntitiesReadResponse

Object provides response to the request to read deleted entities.

Scheme

```
<xsi:complexType name="DeletedEntitiesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an DeletedEntitiesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="DeletedEntity" type="tns:DeletedEntity" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

DeletedEntity	DeletedEntity []	The collection of deleted entities.
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedInt	The size of the page (optional).
Size	long	The size of the deleted entities collection.

5.2.1.41 DeletedEntity

Object provides information on deleted entity.

Scheme

```
<xsi:complexType name="DeletedEntity">
  <xsi:annotation>
     <xsi:documentation>Defines a deleted entity type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Agent" type="tns:DirectoryEntityInfo"/>
     <xsi:element name="ClassificationCode" type="xsi:string"/>
     <xsi:element name="Container" type="xsi:boolean"/>
     <xsi:element name="ChildCount" type="xsi:long" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Deleted" type="xsi:dateTime"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="PublicClassificationCode" type="xsi:string"/>
     <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Reference" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Agent	DirectoryEntityInfo	Directory entity, which deleted the entity.
ClassificationCode	String	The canonical form of the full classification code.
Container	Boolean	Specifies whether an entity can contain child entities.
ChildCount	long	The number of child entities (optional).
Deleted	dateTime	Date and time of deletion.
Description	String	A description of the deleted entity.
Id	String	Unique identifier of deleted entity.
PublicClassificationCode	String	Entity classification code in the classification scheme.
Reason	String	The reason for entity deletion.
Reference	String	Identifier of the linked entity.
Title	String	The title of the entity.

5.2.1.42 DeletedEntityReadRequest

Object provides request to read deleted entity.

Scheme

```
<xsi:complexType name="DeletedEntityReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an DeletedEntityRead operation request</xsi:documentation>
  </xsi:annotation>
     <xsi:sequence>
        <xsi:element name="SessionToken" type="xsi:string"/>
        <xsi:element name="Id" type="xsi:string"/>
     </xsi:sequence>
</xsi:complexType>
```

Parametres

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of deleted entity.

5.2.1.43 DeletedEntityReadResponse

Object provides response to the request to read deleted entity.

Scheme

```
<xsi:complexType name="DeletedEntityReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an DeletedEntityRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="DeletedEntity" type="tns:DeletedEntity"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

DeletedEntity	DeletedEntity	Deleted entity.

5.2.1.44 DirectoryEntityMembersReadRequest

Object provides request to read the directory entity group members.

Scheme

```
<xsi:complexType name="DirectoryEntityMembersReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a DirectoryEntityMembersRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the directory entity.

5.2.1.45 DirectoryEntity

Object provides information on directory entity.

Scheme

```
<xsi:complexType name="DirectoryEntity">
  <xsi:annotation>
     <xsi:documentation>Represents a directory entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="FirstName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="LastName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Email" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="SecurityClassLevel" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Type" type="tns:DirectoryEntityType"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

FirstName	String	The name of the directory entity (optional).
LastName	String	The last name of the directory entity (optional).
Description	String	A description of the directory entity (optional).
Email	String	Email address of the directory entity (optional).
SecurityClassLevel	String	The security class of the directory entity (optional).
Type	DirectoryEntityType	Directory entity type.
id	String	Unique identifier of the directory entity.

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5.2.1.46 DirectoryEntityInfo

Object provides information on directory entity.

Scheme

```
<xsi:complexType name="DirectoryEntityInfo">
  <xsi:annotation>
     <xsi:documentation>Represents a directory entity info</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="FirstName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="LastName" type="xsi:string"/>
     <xsi:element name="Email" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Type" type="tns:DirectoryEntityType"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

FirstName	String	The name of the directory entity (optional).
LastName	String	The last name of the directory entity (optional).
Email	String	Email address of the directory entity (optional).
Type	DirectoryEntityType	Directory entity type.
id	String	Unique identifier of the directory entity.

5.2.1.47 DirectoryEntityProperty

Object provides information on directory entity property.

Scheme

```
<xsi:complexType name="DirectoryEntityProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a directory entity
property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:string">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

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Parameters

Value	String []	Unique identifies of the directory entities.
key	String	Value key.

5.2.1.48 DirectoryEntityPropertyUpdate

Object updates the directory entity property.

Scheme

```
<xsi:complexType name="DirectoryEntityPropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating directory entity
property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	String []	Unique identifier of directory entities.

5.2.1.49 DirectoryEntityType

Object provides information on directory entity type.

Scheme

```
<xsi:simpleType name="DirectoryEntityType">
  <xsi:annotation>
     <xsi:documentation>Represents a directory entity type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Group"/>
     <xsi:enumeration value="User"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

Group	Directory entity is a group.
User	Directory entity is a user.

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5.2.1.50 DirectoryEntitiesReadRequest

Object provides request to read the directory entities.

Scheme

```
<xsi:complexType name="DirectoryEntitiesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a DirectoryEntitiesRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="IncludeAvatar" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the directory entity (optional).
IncludeAvatar	Boolean	Specifies whether the response includes user avatars (optional, default value: false).

5.2.1.51 DirectoryEntitiesReadResponse

Object provides response to the request to read directory entities.

Scheme

```
<xsi:complexType name="DirectoryEntitiesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a DirectoryEntitiesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="DirectoryEntity" type="tns:DirectoryEntity" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

DirectoryEntity	DirectoryEntity []	Directory entity (optional).

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5.2.1.52 DispositionHold

Object provides information on entity disposition hold.

Scheme

```
<xsi:complexType name="DispositionHold">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a disposition hold</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Created" type="xsi:dateTime"/>
     <xsi:element name="Accessed" type="xsi:dateTime"/>
     <xsi:element name="Modified" type="xsi:dateTime"/>
     <xsi:element name="Name" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Creator" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Created	DateTime	Date and time of the entity disposition hold creation.
Accessed	DateTime	Date and time of the entity disposition hold access.
Modified	DateTime	Date and time of the entity disposition hold update.
Name	String	The name of the entity disposition hold (optional).
Reason	String	The reason for the entity disposition hold (optional).
Creator	String	The author of the entity disposition hold (optional).
Description	String	A description of the entity disposition hold (optional).
id	String	Unique identifier of the entity disposition hold (optional).

5.2.1.53 DispositionHoldAuditLogReadRequest

Object provides request to read the entity disposition hold audit log.

Scheme

```
<xsi:complexType name="DispositionHoldAuditLogReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an DispositionHoldAuditLogRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the entity disposition hold.

5.2.1.54 DispositionHoldsReadRequest

Object provides request to read the entity disposition holds.

Scheme

```
<xsi:complexType name="DispositionHoldsReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an DispositionHoldsRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the disposition hold.

5.2.1.55 DispositionHoldsReadResponse

Object provides response to the request to read entity disposition holds.

Scheme

```
<xsi:complexType name="DispositionHoldsReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an DispositionHoldsRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="DispositionHold" type="tns:DispositionHold" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

DispositionHold	DispositionHold []	Entity disposition holds (optional).

5.2.1.56 DoubleProperty

Object provides information on »Double« property type.

Scheme

```
<xsi:complexType name="DoubleProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a double property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:double">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Double []	»Double« property value.
key	String	Value key.

5.2.1.57 DoublePropertyUpdate

Object updates the »Double« property type.

Scheme

```
<xsi:complexType name="DoublePropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating double property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:double" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Double []	»Double« property value.

5.2.1.58 DraftDiscardRequest

Object provides request to discard a draft.

Scheme

```
<xsi:complexType name="DraftDiscardRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an DraftDiscard operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of a draft.

5.2.1.59 DraftDiscardResponse

Object provides response to the request to discard a draft.

Scheme

```
<xsi:complexType name="DraftDiscardResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an DraftDiscard operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
  </xsi:sequence>
</xsi:complexType>
```

5.2.1.60 EmailProperties

Object provides information on email properties.

Scheme

```
<xsi:complexType name="EmailProperties">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a email properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="From" type="xsi:string"/>
     <xsi:element name="MessageId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Priority" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Signed" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Date" type="xsi:dateTime"/>
     <xsi:element name="To" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="BCC" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="CC" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Subject	String	Email subject (optional).
From	String	Email address of the sender.
message_id	String	Automatically generated message identifier (optional).
priority	String	Priority status of the email (optional).
signed	Boolean	A value that registers if the email message was electronically signed (optional).
Date	DateTime	Date and time email was sent or received.
To	String []	Email addresses of the recipients (optional).
BCC	String []	Email addresses of hidden recipients (optional).
CC	String []	Email addresses of the carbon copy recipients (optional).

5.2.1.61 EmailPropertiesUpdate

Object updates the email properties.

Scheme

```
<xsi:complexType name="EmailPropertiesUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating email properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="From" type="xsi:string"/>
     <xsi:element name="MessageId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Priority" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Signed" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Date" type="xsi:dateTime"/>
     <xsi:element name="To" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="BCC" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="CC" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Subject	String	Email subject (optional).
From	String	Email address of the sender.
message_id	String	Automatically generated message identifier (optional).
priority	String	Priority status of the email (optional).
signed	Boolean	A value that registers if the email message was electronically signed (optional).
Date	DateTime	Date and time email was sent or received.
To	String []	Email addresses of the recipients (optional).
BCC	String []	Email addresses of hidden recipients (optional).
CC	String []	Email addresses of the carbon copy recipients (optional).

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5.2.1.62 EntitiesReadRequest

Object provides request to read the entities.

Scheme

```
<xsi:complexType name="EntitiesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a EntitiesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="CategoryProperty" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Filter	EntityStubFilter	Entity filter information (optional).
Paging	EntityStubPaging	Entity paging information (optional).
Sort	EntityStubSort	Sorting of entities (optional).
CategoryProperty	String []	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
Category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

5.2.1.63 EntitiesReadResponse

Object provides response to the request to read entities.

Scheme

```
<xsi:complexType name="EntitiesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a EntitiesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="EntityStub" type="tns:EntityStub" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Category	Category []	The collection of categories.
EntityStub	EntityStub []	The collection of entities (optional).
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedInt	The size of the entity page (optional).
Size	long	The size of the entities.

5.2.1.64 Entity

Object provides information on the entity.

Scheme

```
<xsi:complexType name="Entity">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an entity</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:EntityStub">
        <xsi:sequence>
           <xsi:element name="EmailProperties" type="tns:EmailProperties" minOccurs="0"
maxOccurs="1"/>
           <xsi:element name="PhysicalProperties" type="tns:PhysicalProperties" minOccurs="0"
maxOccurs="1"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

EmailProperties	EmailProperties	Email properties (optional).
PhysicalProperties	PhysicalProperties	The physical content properties (optional).

5.2.1.65 EntityACLDeleteEntryRequest

Object provides request to delete the entity access right.

Scheme

```
<xsi:complexType name="EntityACLDeleteEntryRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLDeleteEntry operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="DirectoryEntityId" type="xsi:string"/>
     <xsi:element name="PropertyId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
DirectoryEntityId	String	Unique identifier of the directory entity.
PropertyId	String	Unique identifier of the entity property (optional).

5.2.1.66 EntityACLDeleteEntryResponse

Object provides response to the entity access right delete.

Scheme

```
<xsi:complexType name="EntityACLDeleteEntryResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLDeleteEntry operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
  </xsi:sequence>
</xsi:complexType>
```

5.2.1.67 EntityACLEntriesCreateRequest

Object provides request to create the entity access right.

Scheme

```
<xsi:complexType name="EntityACLEntriesCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLEntriesCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="EntityACLEntry" type="tns:EntityACLEntryUpdate" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="PropertyACL" type="tns:PropertyACLCreate" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId []	Unique identifier of the entity.
EntityACLEntry	EntityACLEntryUpdate []	Entity access right update.
PropertyACL	PropertyACLCreate []	Entity property access right create.

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5.2.1.68 EntityACLEntriesCreateResponse

Object provides response to request to create the entity access rights.

Scheme

```
<xsi:complexType name="EntityACLEntriesCreateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLEntriesCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="EntityACLEntry" type="tns:EntityACLEntry" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="PropertyACL" type="tns:PropertyACL" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

EntityACLEntry	EntityACLEntry []	The right to access the entity.
PropertyACL	PropertyACL []	The right to access the entity property.

5.2.1.69 EntityACLEntry

Object provides information on entity access right.

Scheme

```
<xsi:complexType name="EntityACLEntry">
  <xsi:annotation>
     <xsi:documentation>Represents an entity ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="DirectoryEntity" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ExplicitAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="InheritedAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="InheritedDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="type" type="tns:EntityACLEntryType"/>
</xsi:complexType>
```

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Parameters

Subject	String	Unique identifier of the directory entity or attribute.
DirectoryEntity	DirectoryEntityInfo	Directory entity (optional).
EffectiveRights	EntityRights	Effective entity rights (optional).
ExplicitAllowRights	EntityRights	Explicit allow rights (optional).
ExplicitDenyRights	EntityRights	Explicit deny rights (optional).
InheritedAllowRights	EntityRights	Inherited allow rights (optional).
InheritedDenyRights	EntityRights	Inherited deny rights (optional).
id	String	Unique identifier of the entity access right.
type	EntityACLEntryType	The type of the entity access right.

5.2.1.70 EntityACLEntryCreate

Object provides information on the entity access right creation.

Scheme

```
<xsi:complexType name="EntityACLEntryUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating entity ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ExplicitAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
<xsi:attribute name="subject" type="xsi:string"/>
<xsi:attribute name="type" type="tns:EntityACLEntryType"/>
</xsi:complexType>
```

Parameters

ExplicitAllowRights	EntityRights	Explicit allow rights (optional).
ExplicitDenyRights	EntityRights	Explicit deny rights (optional).
subject	String	Unique identifier of the directory entity or attribute.
type	EntityACLEntryType	The type of entity access right.

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5.2.1.71 EntityACLEntryType

Object provides information on the entity access right type.

Scheme

```
<xsi:simpleType name="EntityACLEntryType">
  <xsi:annotation>
     <xsi:documentation>Represents an entity ACL entry type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Directory"/>
     <xsi:enumeration value="Attribute"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

Directory	enumerator	Directory entity.
Attribute	enumerator	An attribute.

5.2.1.72 EntityACLEntryUpdate

Object updates an entity access right.

Scheme

```
<xsi:complexType name="EntityACLEntryUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating entity ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ExplicitAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

ExplicitAllowRights	EntityRights	Explicit allow rights (optional).
ExplicitDenyRights	EntityRights	Explicit deny rights (optional).
id	String	Unique identifier of the access right.

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5.2.1.73 EntityACLEntryUpdateRequest

Object provides the request to update the entity access right.

Scheme

```
<xsi:complexType name="EntityACLEntryUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLEntryUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="EntityACLEntryUpdate" type="tns:EntityACLEntryUpdateRequestChoice"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
EntityACLEntryUpdate	EntityACLEntryUpdateRequestChoice	Entity access right update (optional).

5.2.1.74 EntityACLEntryUpdateRequestChoice

Object provides the information on choice of the entity access right update.

Scheme

```
<xsi:complexType name="EntityACLEntryUpdateRequestChoice">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLEntryUpdate request choice</xsi:documentation>
  </xsi:annotation>
  <xsi:choice>
     <xsi:element name="EntityACLEntry" type="tns:EntityACLEntryUpdate"/>
     <xsi:element name="PropertyACL" type="tns:PropertyACLUpdate"/>
  </xsi:choice>
</xsi:complexType>
```

Parameters

EntityACLEntry	EntityACLEntryUpdate	Entity access right update (optional).
PropertyACL	PropertyACLUpdate	Entity property access right update (optional).

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5.2.1.75 EntityACLEntryUpdateResponse

Object provides the response to the entity access right update.

Scheme

```
<xsi:complexType name="EntityACLEntryUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLEntryUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="EntityACLEntry" type="tns:EntityACLEntry" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="PropertyACL" type="tns:PropertyACL" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

EntityACLEntry	EntityACLEntry	The right to access the entity (optional).
PropertyACL	PropertyACL	The right to access the entity property (optional).

5.2.1.76 EntityACLReadRequest

Object provides request to read the entity access rights.

Scheme

```
<xsi:complexType name="EntityACLReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.

5.2.1.77 EntityACLReadResponse

Object provides response to the entity access rights read.

Scheme

```
<xsi:complexType name="EntityACLReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityACLRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="EntityACLEntry" type="tns:EntityACLEntry" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="PropertyACL" type="tns:PropertyACL" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

EntityACLEntry	EntityACLEntry []	The right to access the entity (optional).
PropertyACL	PropertyACL []	The right to access the entity properties (optional).

5.2.1.78 EntityAuditLogReadRequest

Object provides request to read the entity audit log.

Scheme

```
<xsi:complexType name="EntityAuditLogReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityAuditLogRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.

5.2.1.79 EntityCloseRequest

Object provides request to close the open entity.

Scheme

```
<xsi:complexType name="EntityCloseRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityClose operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.

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5.2.1.80 EntityCloseResponse

Object provides response to the entity close.

Scheme

```
<xsi:complexType name="EntityCloseResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityClose operation response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

5.2.1.81 EntityCreate

Object creates the entity.

Scheme

```
<xsi:complexType name="EntityCreate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Template" type="xsi:string"/>
     <xsi:element name="Title" type="xsi:string"/>
     <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="SecurityClass" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Status" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ChildClassificationCodeGenerated" type="xsi:boolean" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Significance" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Retention" type="tns:RetentionUpdate" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Property" type="tns:PropertyUpdate" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="EmailProperties" type="tns:EmailPropertiesUpdate" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="PhysicalProperties" type="tns:PhysicalPropertiesUpdate" minOccurs="0"
maxOccurs="1"/>
     </xsi:sequence>
</xsi:complexType>
```

Parameters

Template	String	Unique identifier of the template.
Title	String	The title of the entity.
ClassificationCode	String	Classification code in the canonical form.
SecurityClass	InheritedStringPropertyUpdate	Entity security class update (optional).
Status	InheritedStringPropertyUpdate	Entity status update (optional).
ChildClassification CodeGenerated	Boolean	Child classification code generation. Valid only when the entity type is CLASS (optional).

Description	String	A description of the entity (optional).
Owner	String	The owner of the entity (optional).
Significance	InheritedStringPropertyUpdate	Entity significance update (optional).
ExternalId	String []	External identifier of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
Retention	RetentionUpdate	Entity retention policy and disposition hold update (optional).
Property	PropertyUpdate []	Entity property update (optional).
EmailProperties	EmailPropertiesUpdate	Email properties update (optional).
PhysicalProperties	PhysicalPropertiesUpdate	Physical content properties update (optional).

5.2.1.82 EntityCreateRequest

Object provides request to create the entity.

Scheme

```
<xsi:complexType name="EntityCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="EntityCreate" type="tns:EntityCreate"/>
     <xsi:element name="Staged" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
ParentId	EntityId	Unique identifier of the parent entity (optional).
EntityCreate	EntityCreate	Entity creation.
Staged	Boolean	Specifies whether the entity will be opened in editing mode and not saved.

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5.2.1.83 EntityCreateResponse

Object provides response to the entity create.

Scheme

```
<xsi:complexType name="EntityCreateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityCreate operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Entity" type="tns:Entity"/>
     <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Entity	Entity	Entity information.
Handle	String	Temporary identifier of the open entity.

5.2.1.84 EntityDeleteRequest

Object provides request to delete the entity.

Scheme

```
<xsi:complexType name="EntityDeleteRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityDelete operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Reason" type="xsi:string"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Reason	String	The reason for entity deletion.
Description	String	A description of the deleted entity (optional).
Version	int	Entity version (optional).

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5.2.1.85 EntityDeleteResponse

Object provides response to the entity delete.

Scheme

```
<xsi:complexType name="EntityDeleteResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityDelete operation response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

5.2.1.86 EntityExportRequest

Object provides request to export the entity.

Scheme

```
<xsi:complexType name="EntityExportRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityExport operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Classes" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Documents" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Folders" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Recursive" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ExportParents" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="AdditionalMetadata" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Classes	boolean	Specifies whether the Class-type entities are exported (default value: true).
Documents	boolean	Specifies whether the Document-type entities are exported (default value: true).
Folders	boolean	Specifies whether the Folder-type entities are exported (default value: true).
AuditLog	boolean	Specifies whether the audit log of each entity is exported (default value: true).
Recursive	boolean	Specifies whether the child entities are exported (default value: true).

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ExportParents	boolean	Specifies whether the parent entities are exported (default value: true).
Evidence	boolean	Specifies whether the entity authenticity and integrity proofs are exported (default value: true).
AdditionalMetadata	base64Binary	The dataset of additional metadata on export (XML).

5.2.1.87 EntityExportResponse

Object provides response to the entity export.

Scheme

```
<xsi:complexType name="EntityExportResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityExport operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Output" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmime:expectedContentTypes="application/octet-
stream"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Output	base64Binary	The dataset of exported entities.

5.2.1.88 EntityId

Object provides information on entity identifier.

Scheme

```
<xsi:complexType name="EntityId">
  <xsi:annotation>
     <xsi:documentation>Represents an entity identifier</xsi:documentation>
  </xsi:annotation>
  <xsi:simpleContent>
     <xsi:extension base="xsi:string">
        <xsi:attribute name="type" type="tns:EntityIdType" use="required">
           <xsi:annotation>
              <xsi:documentation>Specifies the entity identifier type.</xsi:documentation>
           </xsi:annotation>
        </xsi:attribute>
     </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

Parameters

type	EntityIdType	Entity identifier type.

5.2.1.89 EntityIdType

Object provides information on entity identifier type.

Scheme

```
<xsi:simpleType name="EntityIdType">
  <xsi:annotation>
     <xsi:documentation>Represents an entity identifier type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Internal"/>
     <xsi:enumeration value="External"/>
     <xsi:enumeration value="ClassificationCode"/>
     <xsi:enumeration value="Handle"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

Internal	Internal identifier of the entity.
External	External identifier of the entity.
ClassificationCode	Classification code in the canonical form.
Handle	Temporary identifier of the open entity.

5.2.1.90 EntityMoveRequest

Object provides request to move the entity.

Scheme

```
<xsi:complexType name="EntityMoveRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityMove operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Reason" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ParentId	EntityId	Unique identifier of the parent entity (optional).
Reason	String	The reason for entity move.

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5.2.1.91 EntityMoveResponse

Object provides response to the entity move.

Scheme

```
<xsi:complexType name="EntityMoveResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityMove operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="EntityStub" type="tns:EntityStub"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

EntityStub	EntityStub	Entity public information.

5.2.1.92 EntityNonrepudiationReadRequest

Object provides request to read the entity authenticity and integrity proofs (AIP and ERS).

Scheme

```
<xsi:complexType name="EntityNonrepudiationReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityNonrepudiationRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.

5.2.1.93 EntityNonrepudiationReadResponse

Object provides response to the entity authenticity and integrity proofs (AIP and ERS) read.

Scheme

```
<xsi:complexType name="EntityNonrepudiationReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityNonrepudiationRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ArchivalInformationalPackage" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
     <xsi:element name="EvidenceRecord" type="xsi:base64Binary" minOccurs="0"
maxOccurs="unbounded" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

ArchivalInformationPackage	base64Binary	Archival information package (AIP, optional).
EvidenceRecord	base64Binary []	Evidence record (ERS, optional).

5.2.1.94 EntityObjectCreateRequest

Object provides request to create the entity object.

Scheme

```
<xsi:complexType name="EntityObjectCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Object" type="tns:ObjectCreate" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Object	ObjectCreate []	Entity object create.
Version	int	Entity version (optional).

5.2.1.95 EntityObjectCreateResponse

Object provides response to the entity object create.

Scheme

```
<xsi:complexType name="EntityObjectCreateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem []	Entity object information.

5.2.1.96 EntityObjectDeleteRequest

Object provides request to delete the entity object.

Scheme

```
<xsi:complexType name="EntityObjectDeleteRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectDelete operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ObjectId" type="xsi:string"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object.
Version	int	Entity version (optional).

5.2.1.97 EntityObjectDeleteResponse

Object provides response to the entity object delete.

Scheme

```
<xsi:complexType name="EntityObjectDeleteResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectDelete operation
response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

5.2.1.98 EntityObjectsReadRequest

Object provides request to read the entity objects.

Scheme

```
<xsi:complexType name="EntityObjectsReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectsRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Tree" type="xns:Tree" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Tree	Tree	Specifies whether child objects are shown in a tree structure.
Version	int	Entity version (optional).

5.2.1.99 EntityObjectsReadResponse

Object provides response to the entity objects read.

Scheme

```
<xsi:complexType name="EntityObjectsReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectsRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem []	Object provides information on entity object.

5.2.1.100 EntityObjectUpdateRequest

Object provides the request to update the entity object.

Scheme

```
<xsi:complexType name="EntityObjectUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Object" type="tns:ObjectUpdate"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Object	ObjectUpdate	Object provides entity object update.
Version	int	Entity version (optional).

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5.2.1.101 EntityObjectUpdateResponse

Object provides response to the entity object update.

Scheme

```
<xsi:complexType name="EntityObjectUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem	Entity object information.

5.2.1.102 EntityObjectMoveRequest

Object provides information on request to move entity object to another entity.

Scheme

```
<xsi:complexType name="EntityObjectMoveRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectMove operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ObjectId" type="xsi:string"/>
     <xsi:element name="ParentId" type="tns:EntityId"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ParentVersion" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object.
ParentId	EntityId	Unique identifier of the parent entity object.
Version	int	Entity version (optional).
ParentVersion	int	Parent entity version (optional).

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5.2.1.103 EntityObjectMoveResponse

Object provides response to move entity object to another entity.

Scheme

```
<xsi:complexType name="EntityObjectMoveResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectMove operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem	Object provides information on entity object.

5.2.1.104 EntityObjectCopyRequest

Object provides request to copy entity object to another entity.

Scheme

```
<xsi:complexType name="EntityObjectCopyRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectCopy operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ObjectId" type="xsi:string"/>
     <xsi:element name="ParentId" type="tns:EntityId"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ParentVersion" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object.
ParentId	EntityId	Unique identifier of the parent entity object.
Description	String	A description of the entity object (optional).
Version	int	Entity version (optional).
ParentVersion	int	Parent entity version (optional).

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5.2.1.105 EntityObjectCopyResponse

Object provides information on response to copy entity object to another entity.

Scheme

```
<xsi:complexType name="EntityObjectCopyResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectCopy operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem	Object provides information on entity object.

5.2.1.106 EntityObjectManageRequest

Object provides information on request to manage the entity object.

Scheme

```
<xsi:complexType name="EntityObjectManageRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectManage operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ObjectId" type="xsi:string"/>
     <xsi:element name="QueueForIndexing" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="QueueForConversion" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object.
QueueForIndexing	Boolean	Queuing for later indexing (optional).
QueueForConversion	Boolean	Queuing for later conversion (optional).
Version	int	Entity version (optional).

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5.2.1.107 EntityObjectManageResponse

Object provides information on response to manage the entity object.

Scheme

```
<xsi:complexType name="EntityObjectManageResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectManage operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem	Object provides information on entity object.

5.2.1.108 EntityObjectDetachRequest

Object provides information on request to detach the entity object.

Scheme

```
<xsi:complexType name="EntityObjectDetachRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectDetach operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ObjectId" type="xsi:string"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object.
Version	int	Entity version (optional).

5.2.1.109 EntityObjectDetachResponse

Object provides information on response to detach the entity object.

Scheme

```
<xsi:complexType name="EntityObjectDetachResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectDetach operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem	Object provides information on entity object.

5.2.1.110 EntityObjectReadRequest

Object provides request to read the entity object.

Scheme

```
<xsi:complexType name="EntityObjectReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ObjectId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ObjectIndex" type="xsi:int" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object. (optional).
ObjectIndex	Integer	Entity object index (optional).
Version	Integer	Entity version (optional).

5.2.1.111 EntityObjectReadResponse

Object provides response to the entity object read.

Scheme

```
<xsi:complexType name="EntityObjectReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityObjectRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem	Object provides information on entity object.

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5.2.1.112 EntityOpenCreateRequest

Object provides information on request to open entity for creating.

Scheme

```
<xsi:complexType name="EntityOpenCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityOpenCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Template" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
ParentId	EntityId	Unique identifier of the parent entity (optional).
Template	String	Unique identifier of the template.

5.2.1.113 EntityOpenRequest

Object provides request to open the entity.

Scheme

```
<xsi:complexType name="EntityOpenRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Version	Integer	Entity version (optional).

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5.2.1.114 EntityOpenResponse

Object provides response to the entity open.

Scheme

```
<xsi:complexType name="EntityOpenResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityOpen operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Id	EntityId	Unique identifier of the entity.

5.2.1.115 EntityReadRequest

Object provides request to read the entity.

Scheme

```
<xsi:complexType name="EntityReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Version	Integer	Entity version (optional).

5.2.1.116 EntityReadResponse

Object provides response to the entity read.

Scheme

```
<xsi:complexType name="EntityReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Entity" type="tns:Entity"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Entity	Entity	Entity information.

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5.2.1.117 EntityReference

Object provides information on the entity reference.

Scheme

```
<xsi:complexType name="EntityReference">
  <xsi:annotation>
     <xsi:documentation>Defines an entity reference type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Created" type="xsi:dateTime"/>
     <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Entity" type="tns:EntityStub" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Created	DateTime	Date and time of the reference creation.
Creator	DirectoryEntityInfo	Reference creator.
Description	String	Reference description (optional).
Entity	EntityStub[]	Collection of entities in a reference.
EffectiveRights	EntityRights	Effective rights of current user (optional).
Id	String	Unique identifier of the entity reference.
Title	String	The title of the reference (optional).

5.2.1.118 EntityReferenceCreateRequest

Object provides request to create entity reference.

Scheme

```
<xsi:complexType name="EntityReferenceCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferenceCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Entry" type="tns:EntityId" minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Title	String	The title of the reference (optional).
Description	String	Reference description (optional).
Entry	EntityId[]	Unique identifiers of the entities.

5.2.1.119 EntityReferenceCreateResponse

Object provides response to the entity reference create.

Scheme

```
<xsi:complexType name="EntityReferenceCreateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferenceCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Reference" type="tns:EntityReference"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Reference	EntityReference	The reference of the entity.

5.2.1.120 EntityReferenceDeleteRequest

Object provides request to delete the entity reference.

Scheme

```
<xsi:complexType name="EntityReferenceDeleteRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferenceDelete operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ReferenceId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ReferenceId	String	Unique identifier of the reference.

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5.2.1.121 EntityReferenceDeleteResponse

Object provides response to the entity reference delete.

Scheme

```
<xsi:complexType name="EntityReferenceDeleteResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferenceDelete operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
  </xsi:sequence>
</xsi:complexType>
```

5.2.1.122 EntityReferencesReadRequest

Object provides request to read the entity references.

Scheme

```
<xsi:complexType name="EntityReferencesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferencesRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ReferenceId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ReferenceId	String	Unique identifier of the reference (optional).

5.2.1.123 EntityReferencesReadResponse

Object provides response to the entity references read.

Scheme

```
<xsi:complexType name="EntityReferencesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferencesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Reference" type="tns:EntityReference" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Reference	EntityReference []	References.

5.2.1.124 EntityReferenceUpdateRequest

Object provides the request to update the entity reference.

Scheme

```
<xsi:complexType name="EntityReferenceUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityReferenceUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ReferenceId" type="xsi:string"/>
     <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Entry" type="tns:EntityId" minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
ReferenceId	String	Unique identifier of the reference.
Title	String	The title of the reference (optional).
Description	String	Reference description (optional).
Entry	EntityId []	Unique identifiers of the entities.

5.2.1.125 EntityRetentionDispositionHoldEntriesCreateRequest

Object provides request to create the entity disposition hold.

Scheme

```
<xsi:complexType name="EntityRetentionDispositionHoldEntriesCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionDispositionHoldEntriesCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntryUpdate"
minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
DispositionHold	RetentionDispositionHoldEntryUpdate []	Entity disposition holds.

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5.2.1.126 EntityRetentionDispositionHoldEntriesCreateResponse

Object provides response to the entity disposition hold create.

Scheme

```
<xsi:complexType name="EntityRetentionDispositionHoldEntriesCreateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionDispositionHoldEntriesCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntry"
minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

DispositionHold	RetentionDispositionHoldEntry []	Entity disposition hold.

5.2.1.127 EntityRetentionDispositionHoldEntryDeleteRequest

Object provides request to delete the entity disposition hold.

Scheme

```
<xsi:complexType name="EntityRetentionDispositionHoldEntryDeleteRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionDispositionHoldEntryDelete operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="DispositionHoldId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
DispositionHoldId	String	Unique identifier of the entity disposition hold.

5.2.1.128 EntityRetentionDispositionHoldEntryDeleteResponse

Object provides response to the entity disposition hold delete.

Scheme

```
<xsi:complexType name="EntityRetentionDispositionHoldEntryDeleteResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionDispositionHoldEntryDelete operation
response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

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5.2.1.129 EntityRetentionPolicyEntriesCreateRequest

Object provides request to create the entity retention policies.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntriesCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntriesCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate" minOccurs="1"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
RetentionPolicy	RetentionPolicyEntryUpdate []	Entity retention policy update.

5.2.1.130 EntityRetentionPolicyEntriesCreateResponse

Object provides response to the entity retention policies create.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntriesCreateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntriesCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntry" minOccurs="1"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

RetentionPolicy	RetentionPolicyEntry []	Entity retention policy.

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5.2.1.131 EntityRetentionPolicyEntriesUpdateRequest

Object provides request to change multiple entity retention policies.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntriesUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntriesUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate" minOccurs="1"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
RetentionPolicy	RetentionPolicyEntryUpdate []	Collection of retention policies.

5.2.1.132 EntityRetentionPolicyEntriesUpdateResponse

Object provides response to change multiple entity retention policies.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntriesUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntriesUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntry" minOccurs="1"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

RetentionPolicy	RetentionPolicyEntry []	Collection of retention policies.

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5.2.1.133 EntityRetentionPolicyEntryDeleteRequest

Object provides request to delete the entity retention policy.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntryDeleteRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntryDelete operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="RetentionPolicyId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
RetentionPolicyId	String	Unique identifier of the retention policy.

5.2.1.134 EntityRetentionPolicyEntryDeleteResponse

Object provides response to the entity retention policy deletion.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntryDeleteResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntryDelete operation
response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

5.2.1.135 EntityRetentionPolicyEntryUpdateRequest

Object provides request to update the entity retention policy.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
RetentionPolicy	RetentionPolicyEntryUpdate	Entity retention policy update.

5.2.1.136 EntityRetentionPolicyEntryUpdateResponse

Object provides response to the entity retention policy update.

Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntryUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityRetentionPolicyEntryUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntry"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

RetentionPolicy	RetentionPolicyEntry	Object provides information on entity retention policy.

5.2.1.137 EntityRights

Object provides information on entity access rights.

Scheme

```
<xsi:complexType name="EntityRights">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an entity rights</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="validFrom" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="validTo" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="readAccess" type="xsi:boolean"/>
  <xsi:attribute name="writeAccess" type="xsi:boolean"/>
  <xsi:attribute name="moveAccess" type="xsi:boolean"/>
  <xsi:attribute name="deleteAccess" type="xsi:boolean"/>
  <xsi:attribute name="changeRights" type="xsi:boolean"/>
  <xsi:attribute name="createSubEntities" type="xsi:boolean"/>
  <xsi:attribute name="changeSecurityClass" type="xsi:boolean"/>
  <xsi:attribute name="changeStatus" type="xsi:boolean"/>
  <xsi:attribute name="changeRetention" type="xsi:boolean"/>
</xsi:complexType>
```

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Parameters

validFrom	DateTime	The validity of the attribute property access rights from a given date and time (optional).
validTo	DateTime	The validity of the attribute property access rights until a given date and time (optional).
readAccess	Boolean.	The right to read the entity.
writeAccess	Boolean.	The right to write the entity.
moveAccess	Boolean.	The right to move the entity.
deleteAccess	Boolean.	The right to delete the entity.
changeRights	Boolean.	The right to change entity access rights.
createReferences	Boolean	The right to create references.
createSubEntities	Boolean.	The right to create sub-entities.
changeSecurityClass	Boolean.	The right to change entity security class.
changeStatus	Boolean.	The right to change entity status.
changeRetention	Boolean.	The right to change the entity retention policies and disposition holds.

5.2.1.138 EntitySaveLogReadRequest

Object provides request to read the entity save log.

Scheme

```
<xsi:complexType name="EntitySaveLogReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntitySaveLogRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.

5.2.1.139 EntitySaveLogReadResponse

Object provides response to the entity save log read.

Scheme

```
<xsi:complexType name="EntitySaveLogReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntitySaveLogRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SaveLog" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SaveLog	String []	Collection of save logs.

5.2.1.140 EntitySearchHit

Object provides public entity information as search result.

Scheme

```
<xsi:complexType name="EntitySearchHit">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an entity search hit</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:EntityStub">
        <xsi:sequence>
           <xsi:element name="Object" type="tns:EntitySearchHitObject" minOccurs="0"
maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Object	EntitySearchHitObject[]	Entity objects as search result (optional).

5.2.1.141 EntitySearchHitObject

Object provides information on entity content object as search result.

Scheme

```
<xsi:complexType name="EntitySearchHitObject">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an entity search hit
object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

id	String	Entity content object identifier (optional).
Description	String	A description of the entity content object (optional).

5.2.1.142 EntitySearchRequest

Object provides request to search the entity.

Scheme

```
<xsi:complexType name="EntitySearchRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntitySearch operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Expression" type="xsi:string"/>
     <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity (optional).
Expression	String	Search expression.
Filter	EntityStubFilter	Entity search filter (optional).
Paging	EntityStubPaging	Entity paging information (optional).

5.2.1.143 EntitySearchResponse

Object provides response to the entity search.

Scheme

```
<xsi:complexType name="EntitySearchResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntitySearch operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="SearchHit" type="tns:EntitySearchHit" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Category	Category []	The collection of the categories.
PageStart	Integer	The beginning of the page.
PageSize	Integer	The size of the page.
SearchHit	EntitySearchHit []	The list of entities as search result (optional).
Size	Long	The number of all search results.

5.2.1.144 EntitySecurityClassUpdateRequest

Object provides request to update the entity security class.

Scheme

```
<xsi:complexType name="EntitySecurityClassUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntitySecurityClassUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="SecurityClass" type="tns:InheritedStringPropertyUpdate"/>
     <xsi:element name="Reason" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
SecurityClass	InheritedStringPropertyUpdate	Entity security class update.
Reason	String	The reason for entity security class update.

5.2.1.145 EntitySecurityClassUpdateResponse

Object provides response to the entity security class update.

Scheme

```
<xsi:complexType name="EntitySecurityClassUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntitySecurityClassUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SecurityClass" type="tns:InheritedStringProperty"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SecurityClass	InheritedStringProperty	Entity security class information.

5.2.1.146 EntityStatusUpdateRequest

Object provides request to update the entity status.

Scheme

```
<xsi:complexType name="EntityStatusUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityStatusUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Status" type="tns:InheritedStringPropertyUpdate"/>
     <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Status	InheritedStringPropertyUpdate	Entity status update.
Reason	String	The reason for status update (optional).

5.2.1.147 EntityStatusUpdateResponse

Object provides response to the entity status update.

Scheme

```
<xsi:complexType name="EntityStatusUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityStatusUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Status" type="tns:InheritedStringProperty"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Status	InheritedStringProperty	Entity status information.

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5.2.1.148 EntityStub

Object provides public entity information.

Scheme

```
<xsi:complexType name="EntityStub">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of an entity stub</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="PublicClassificationCode" type="xsi:string" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Title" type="xsi:string"/>
     <xsi:element name="Type" type="tns:EntityType"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Permanent" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ChildCount" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Creator" type="tns:DirectoryEntityInfo" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Owner" type="tns:DirectoryEntityInfo" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Template" type="tns:TemplateInfo" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Accessed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ModifiedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Closed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Opened" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="SecurityClass" type="tns:InheritedStringProperty" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Significance" type="tns:InheritedStringProperty" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Status" type="tns:InheritedStringProperty" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Retention" type="tns:Retention" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="SubEntityTemplate" type="tns:TemplateInfo" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="ChildClassificationCodeGenerated" type="xsi:boolean" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Property" type="tns:Property" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="AIP" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="HasReferences" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="VersionLabel" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="CheckInComment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Draft" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="DraftCreator" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="HasVersions" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="HasDraft" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="DraftId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

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Parameters

ClassificationCode	String	The canonical form of the full classification code.
PublicClassificationCode	String	Entity classification code in the classification scheme.
Title	String	The title of the entity.
Type	EntityType	Entity type.
Description	String	A description of the entity (optional).
Permanent	Boolean	The permanent entity (optional).
ChildCount	UnsignedInt	The number of child entities (optional).
Creator	String	The author of the entity (optional).
Owner	String	The owner of the entity (optional).
Template	String	Template type (optional).
Created	DateTime	Date and time of the entity creation (optional).
Accessed	DateTime	Date and time of the entity access (optional).
Modified	DateTime	Date and time of the entity update (optional).
ModifiedBy	DirectoryEntityInfo	The user who last modified the entity.
Closed	DateTime	Date and time of the entity status update to Closed (optional).
Opened	DateTime	Date and time of the entity status update to Opened (optional).
SecurityClass	InheritedStringProperty	The security class of the entity (optional).
Significance	InheritedStringProperty	The significance of the entity (optional).
Status	InheritedStringProperty	The status of the entity (optional).
Retention	Retention	The retention policies and disposition holds of the entity (optional).
SubEntityTemplate	String []	Templates for sub-entities creation (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
ExternalId	String []	External identifier of the entity.
ChildClassificationCode Generated	Boolean	Child classification code generation (optional). Valid for entities type CLASS only.
ParentId	EntityId	Unique identifier of the parent entity (optional).
EffectiveRights	EntityRights	Effective rights to access directory entity (optional).

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Property	Property []	Entity property (optional).
id	String	Unique identifier of the entity.
AIP	Boolean	Specifies whether the entity has authenticity and integrity proofs.
HasReferences	Boolean	Specifies whether the entity has references.
VersionLabel	String	The label of the version.
Version	int	Entity version.
CheckInComment	String	The comment of the entity version.
Draft	Boolean	Specifies whether the entity is draft.
DraftCreator	String	The author of the draft.
HasVersions	Boolean	Specifies whether the entity has versions.
HasDraft	Boolean	Specifies whether the entity has draft.
DraftId	String	The identifier if the draft

5.2.1.149 EntityStubFilter

Object provides public entity information filter.

Scheme

```
<xsi:complexType name="EntityStubFilter">
  <xsi:annotation>
     <xsi:documentation>Represents an entity stub filter</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="all" type="xsi:boolean"/>
  <xsi:attribute name="properties" type="xsi:boolean"/>
  <xsi:attribute name="templates" type="xsi:boolean"/>
</xsi:complexType>
```

Parameters

all	Boolean	Public entity information and included templates.
properties	Boolean	Public entity properties.
templates	Boolean	Templates to create sub entities.

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5.2.1.150 EntityStubPaging

Object provides paging of the public entity information.

Scheme

```
<xsi:complexType name="EntityStubPaging">
  <xsi:annotation>
     <xsi:documentation>Represents an entity stub paging</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="PageStart" type="xsi:unsignedInt"/>
     <xsi:element name="PageSize" type="xsi:unsignedInt"/>
     <xsi:element name="Refresh" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

PagetStart	UnsignedInt	The beginning of the page.
PageSize	UnsignedInt	The site of the page
Refresh	Boolean	If value is *true* than entity information is created again; otherwise it is created only first time.

5.2.1.151 EntityStubReadRequest

Object provides request to read public entity information.

Scheme

```
<xsi:complexType name="EntityStubReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityStubRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
Version	Integer	Entity version (optional).

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5.2.1.152 EntityStubReadResponse

Object provides response to the public entity information read.

Scheme

```
<xsi:complexType name="EntityStubReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityStubRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="EntityStub" type="tns:EntityStub"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

EntityStub	EntityStub	Public entity information.

5.2.1.153 EntityStubSort

Object provides the sort order of the collection of entities.

Scheme

```
<xsi:complexType name="EntityStubSort">
  <xsi:annotation>
     <xsi:documentation>Represents an entity stub sort object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Order" type="tns:EntityStubSortOrderType"/>
     <xsi:element name="Key" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Order	EntityStubSortOrderType	The sort order of the collection.
Key	String	The sort key of the collection. The set of values: - »sys:Title«: The title of the entity. - »sys:ClassificationCode«: The classification code. - »sys:Creator«: The author of the entity. - »sys:Owner«: The owner of the entity. - »sys:Opened«: Date and time of the entity open. - »sys:SecurityClass«: The security class of the entity. - »sys:Status«: The status of the entity. - »sys:Significance«: The significance of the entity. - metadata identifier.

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5.2.1.154 EntityStubSortOrderType

Object provides the sort order direction of the collection of entities.

Scheme

```
<xsi:simpleType name="EntityStubSortOrderType">
  <xsi:annotation>
     <xsi:documentation>Represents an entity stub sort key type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Ascending"/>
     <xsi:enumeration value="Descending"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

Ascending	Ascending.
Descending	Descending.

5.2.1.155 EntityType

Object provides information on entity type.

Scheme

```
<xsi:simpleType name="EntityType">
  <xsi:annotation>
     <xsi:documentation>Represents an entity type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Class"/>
     <xsi:enumeration value="Folder"/>
     <xsi:enumeration value="Document"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

Class	Entity type is class.
Folder	Entity type is folder.
Document	Entity type is document.

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5.2.1.156 EntityUpdate

Object updates an entity.

Scheme

```
<xsi:complexType name="EntityUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ChildClassificationCodeGenerated" type="xsi:boolean" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
     <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1" nillable="true"/>
     <xsi:element name="Significance" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
     <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
     <xsi:element name="Property" type="tns:PropertyUpdate" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="PhysicalProperties" type="tns:PhysicalPropertiesUpdate" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Title	String	The title of the entity (optional).
ChildClassificationCode Generated	String	Child classification code generation. Valid when the entity type is CLASS only (optional).
Description	String	The description of the entity (optional).
Owner	String	The owner of the entity (optional).
Significance	InheritedStringPropertyUpdate	The significance of the entity update (optional).
ExternalId	String []	External identifier of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
Property	PropertyUpdate []	Entity property (optional).
PhysiclaProperties	PhysicalPropertiesUpdate	Physical content properties update.

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5.2.1.157 EntityUpdateRequest

Object provides request to update the entity.

Scheme

```
<xsi:complexType name="EntityUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="EntityUpdate" type="tns:EntityUpdate"/>
     <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.
EntityUpdate	EntityUpdate	Entity update information.
Version	Integer	Entity version (optional).

5.2.1.158 EntityUpdateResponse

Object provides response to update the entity.

Scheme

```
<xsi:complexType name="EntityUpdateResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityUpdate operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Entity" type="tns:Entity"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Entity	Entity	Entity public information.

5.2.1.159 EntityVersionsReadRequest

Object provides request to read entity versions.

Scheme

```
<xsi:complexType name="EntityVersionsReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityVersionsRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the entity.

5.2.1.160 EntityVersionsReadResponse

Object provides response to the entity versions read.

Scheme

```
<xsi:complexType name="EntityVersionsReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an EntityVersionsRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Version" type="tns:EntityStub" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Version	EntityStub[]	The collection of entity versions.

5.2.1.161 InheritedStringProperty

Object provides information on inherited »String« property type.

Scheme

```
<xsi:complexType name="InheritedStringProperty">
  <xsi:simpleContent>
     <xsi:extension base="xsi:string">
        <xsi:attribute name="inherited" type="xsi:boolean"/>
     </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

Parameters

inherited	Boolean	Property inherited value or its initial value.

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5.2.1.162 InheritedStringPropertyUpdate

Object updates the inherited »String« property type.

Scheme

```
<xsi:complexType name="InheritedStringPropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating inherited string
property</xsi:documentation>
  </xsi:annotation>
  <xsi:simpleContent>
     <xsi:extension base="xsi:string">
        <xsi:attribute name="inherited" type="xsi:boolean"/>
     </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

Parameters

inherited	Boolean	Property inherited value or its initial value.

5.2.1.163 Int8Property

Object provides information on »Int8« property type.

Scheme

```
<xsi:complexType name="Int8Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a Int8 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:byte">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	byte []	»Int8« property value.
key	String	Value key.

5.2.1.164 Int8PropertyUpdate

Object updates the »Int8« property type.

Scheme

```
<xsi:complexType name="Int8PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating Int8 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:byte" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	byte []	»Int8« property value.

5.2.1.165 Int16Property

Object provides information on »Int16« property type.

Scheme

```
<xsi:complexType name="Int16Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a Int16 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:short">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Short []	»Int16« property value.
key	String	Value key.

5.2.1.166 Int16PropertyUpdate

Object updates the »Int16« property type.

Scheme

```
<xsi:complexType name="Int16PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating Int16 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:short" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Short []	»Int16« property value.

5.2.1.167 Int32Property

Object provides information on »Int32« property type.

Scheme

```
<xsi:complexType name="Int32Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a Int32 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:int">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Int []	»Int32« property value.
key	String	Value key.

5.2.1.168 Int32PropertyUpdate

Object updates the »Int32« property type.

Scheme

```
<xsi:complexType name="Int32PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating Int32 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:int" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Int []	»Int32« property value.

5.2.1.169 Int64Property

Object provides information on »Int64« property type.

Scheme

```
<xsi:complexType name="Int64Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a Int64 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:long">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Long []	»Int64« property value.
key	String	Value key.

5.2.1.170 Int64PropertyUpdate

Object updates the »Int64« property type.

Scheme

```
<xsi:complexType name="Int64PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating Int64 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:long" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Long []	»Int64« property value.

5.2.1.171 Int128Property

Object provides information on »Int128« property type.

Scheme

```
<xsi:complexType name="Int128Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a Int128 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:integer">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Integer []	»Int128« property value.
key	String	Value key.

5.2.1.172 Int128PropertyUpdate

Object updates the »Int128« property type.

Scheme

```
<xsi:complexType name="Int128PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating Int128 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:integer" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	Integer []	»Int128« property value.

5.2.1.173 ObjectCreate

Object creates content object.

Scheme

```
<xsi:complexType name="ObjectCreate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ContentType" type="xsi:string"/>
     <xsi:element name="Content" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmime:expectedContentTypes="application/octet-
stream"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

ContainerId	String	Unique identifier of the content container (optional).
Description	String	A description of the content (optional).
ContentType	String	The content type.
Content	base64Binary	The content (optional).

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5.2.1.174 ObjectItem

Object provides information on content object.

Scheme

```
<xsi:complexType name="ObjectItem">
  <xsi:annotation>
     <xsi:documentation>Represents an object item</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Size" type="xsi:unsignedInt"/>
     <xsi:element name="ChildCount" type="xsi:long"/>
     <xsi:element name="Indexed" type="xsi:boolean"/>
     <xsi:element name="Signed" type="xsi:boolean"/>
     <xsi:element name="Created" type="xsi:dateTime"/>
     <xsi:element name="Accessed" type="xsi:dateTime"/>
     <xsi:element name="Modified" type="xsi:dateTime"/>
     <xsi:element name="ContentType" type="xsi:string"/>
     <xsi:element name="Extension" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Content" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
     <xsi:element name="Children" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="ParentId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

ContainerId	String	Unique identifier of the content container (optional).
Description	String	A description of the content (optional).
Size	unsignedInt	The content size (in bytes).
ChildCount	long	Number of child entities.
Indexed	boolean	Value that shows whether the physical content is indexed.
Signed	boolean	Value that shows whether the physical content is electronically signed.
Created	dateTime	Date and time of the content creation.
Accessed	dateTime	Date and time of the content access.
Modified	dateTime	Date and time of the content update.
ContentType	String	The content type.
Extension	String	The extension of the content file (optional).
Content	base64Binary	The content (optional).
Children	ObjectItem[]	Collection of physical content.
ParentId	String	Unique identifier of the parent physical content (optional).
id	String	Unique identifier of the content.
EffectiveRights	PropertyRights	Effective property rights (optional).

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5.2.1.175 ObjectUpdate

Object updates the content object.

Scheme

```
<xsi:complexType name="ObjectUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Description" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Content" type="xsi:base64Binary" nillable="true" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
</xsi:complexType>
```

Parameters

Description	String	A description of the content object (optional).
Content	base64Binary	The content (optional).
id	String	Unique identifier of the content object.

5.2.1.176 PhysicalProperties

Object provides information on physical content properties.

Scheme

```
<xsi:complexType name="PhysicalProperties">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a physical properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="CurrentLocation" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Custodian" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="HomeLocation" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Status" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ReturnDue" type="xsi:date" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="StatusChange" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

CurrentLocation	String	Current location of the physical content (optional).
Custodian	String	The custodian of the content (optional).
Description	String	A description of the content (optional).
HomeLocation	String	Home location of the content (optional).
Id	String	Identifier of the physical content (optional).
Status	String	The status of the content (optional).

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ReturnDue	Date	Return date of the issued content (optional).
StatusChange	DateTime	Date and time of the content status change (optional).

5.2.1.177 PhysicalPropertiesUpdate

Object updates the physical content properties.

Scheme

```
<xsi:complexType name="PhysicalPropertiesUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating physical properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="CurrentLocation" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Custodian" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Description" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="HomeLocation" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Id" type="xsi:string" nillable="true" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Status" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ReturnDue" type="xsi:date" nillable="true" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

CurrentLocation	String	Current location of the physical content (optional).
Custodian	String	The custodian of the content (optional).
Description	String	A description of the content (optional).
HomeLocation	String	Home location of the content (optional).
Id	String	Identifier of the physical content (optional).
Status	String	The status of the content (optional).
ReturnDue	Date	Return date of the issued content (optional).

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5.2.1.178 Property

Object provides information on property.

Scheme

```
<xsi:complexType name="Property" abstract="true">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a property</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Options" type="tns:PropertyOptions"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Type" type="tns:PropertyType"/>
     <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Inherited" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Options	PropertyOptions	Property options.
Description	String	A description of the property.
Type	PropertyType	Property type.
EffectiveRights	PropertyRights	Effective rights to access the property (optional).
id	String	Unique identifier of the property.
Inherited	Boolean	Specifies whether the value is inherited.

5.2.1.179 PropertyACL

Object provides information on entity property right.

Scheme

```
<xsi:complexType name="PropertyACL">
  <xsi:annotation>
     <xsi:documentation>Represents a property ACL</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="PropertyACLEntry" type="tns:PropertyACLEntry" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="propertyId" type="xsi:string"/>
</xsi:complexType>
```

Parameters

PropertyACLEntry	PropertyACLEntry []	Entity property right (optional).
propertyId	String	Unique identifier of the property.

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5.2.1.180 PropertyACLCreate

Object creates the entity property access right.

Scheme

```
<xsi:complexType name="PropertyACLCreate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating property ACL</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="PropertyACLEntry" type="tns:PropertyACLEntryUpdate" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="propertyId" type="xsi:string"/>
</xsi:complexType>
```

Parameters

PropertyACLEntry	PropertyACLEntryUpdate	Entity property access right (optional).
propertyId	String	Unique identifier of the entity property.

5.2.1.181 PropertyACLEntry

Object provides information on directory entity property access right.

Scheme

```
<xsi:complexType name="PropertyACLEntry">
  <xsi:annotation>
     <xsi:documentation>Represents a property ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="DirectoryEntityInfo" type="tns:DirectoryEntity" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="InheritedAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="InheritedDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="type" type="tna:EntityACLEntryType"/>
</xsi:complexType>
```

Parameters

Subject	String	Unique identifier of the directory entity or attribute.
DirectoryEntityInfo	DirectoryEntity	Directory entity information (optional).
ExplicitAllowRights	PropertyRights	Explicit allow right (optional).
ExplicitDenyRights	PropertyRights	Explicit deny right (optional).
InheritedAllowRights	PropertyRights	Inherited allow right (optional).
InheritedDenyRights	PropertyRights	Inherited deny right (optional).

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id	String	Unique identifier of the access right.
type	EntityACLEntryType	The type of the access right.

5.2.1.182 PropertyACLEntryCreate

Object creates the directory entity property access right.

Scheme

```
<xsi:complexType name="PropertyACLEntryUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating property ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ExplicitAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
<xsi:attribute name="subject" type="xsi:string"/>
<xsi:attribute name="type" type="tns:EntityACLEntryType"/>
</xsi:complexType>
```

Parameters

ExplicitAllowRights	PropertyRights	Explicit allow right (optional).
ExplicitDenyRights	PropertyRights	Explicit deny right (optional).
subject	String	Unique identifier of the directory entity or attribute.
type	EntityACLEntryType	The type of the access right.

5.2.1.183 PropertyACLEntryUpdate

Object updates the directory entity property access right.

Scheme

```
<xsi:complexType name="PropertyACLEntryUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating property ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ExplicitAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="ExplicitDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="directoryEntityId" type="xsi:string"/>
</xsi:complexType>
```

Parameters

ExplicitAllowRights	PropertyRights	Explicit allow right (optional).
ExplicitDenyRights	PropertyRights	Explicit deny right (optional).
directoryEntityId	String	Unique identifier of the directory entity (optional).

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5.2.1.184 PropertyACLUpdate

Object updates the directory entity property access right.

Scheme

```
<xsi:complexType name="PropertyACLUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for creating property ACL</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="PropertyACLEntry" type="tns:PropertyACLEntryUpdate" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="propertyId" type="xsi:string"/>
</xsi:complexType>
```

Parameters

PropertyACLEntry	PropertyACLEntryUpdate	Entity property access right update (optional).

5.2.1.185 PropertyOptions

Object provides information on entity property options.

Scheme

```
<xsi:complexType name="PropertyOptions">
  <xsi:annotation>
     <xsi:documentation>Represents a container of property options</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="appendOnly" type="xsi:boolean"/>
  <xsi:attribute name="includedInAIP" type="xsi:boolean"/>
  <xsi:attribute name="inherited" type="xsi:boolean"/>
  <xsi:attribute name="multiValue" type="xsi:boolean"/>
  <xsi:attribute name="pickList" type="xsi:boolean"/>
  <xsi:attribute name="public" type="xsi:boolean"/>
  <xsi:attribute name="readOnly" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCheckIn" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCreate" type="xsi:boolean"/>
  <xsi:attribute name="required" type="xsi:boolean"/>
  <xsi:attribute name="searchable" type="xsi:boolean"/>
  <xsi:attribute name="unique" type="xsi:boolean"/>
  <xsi:attribute name="versionable" type="xsi:boolean"/>
</xsi:complexType>
```

Parameters

appendOnly	Boolean	Entity property value can append only.
includedInAIP	Boolean	Entity property value is included in archival information package (AIP).
inherited	Boolean	Entity property value is inherited.
multiValued	Boolean	Entity property can have more than one value.
pickList	Boolean	Entity property has predefined values.
public	Boolean	Entity property is public.
readOnly	Boolean	Entity property is read only.

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readOnlyAfterCheckIn	Boolean	Entity property is read only after new version creation.
readOnlyAfterCreate	Boolean	Entity property is read only after entity creation.
required	Boolean	Entity property is required.
searchable	Boolean	Entity property value can be searched.
unique	Boolean	Entity property value is unique.
versionable	Boolean	Entity property is versionable.

5.2.1.186 PropertyRights

Object provides information on entity property rights.

Scheme

```
<xsi:complexType name="PropertyRights">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a entity acl property
right</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="validFrom" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="validTo" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="createAccess" type="xsi:boolean"/>
  <xsi:attribute name="deleteAccess" type="xsi:boolean"/>
  <xsi:attribute name="readAccess" type="xsi:boolean"/>
  <xsi:attribute name="writeAccess" type="xsi:boolean"/>
</xsi:complexType>
```

Parameters

validFrom	dateTime	The validity of the attribute property access rights until a given date and time (optional).
validTo	dateTime	The validity of the attribute property access rights from a given date and time (optional).
createAccess	Boolean	The right to create attribute property.
deleteAccess	Boolean	The right to delete attribute property.
readAccess	Boolean	The right to read attribute property.
writeAccess	Boolean	The right to write attribute property.

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5.2.1.187 PropertyType

Object provides information on entity property type.

Scheme

```
<xsi:simpleType name="PropertyType">
  <xsi:annotation>
     <xsi:documentation>Represents a property type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="DirectoryEntity"/>
     <xsi:enumeration value="Bool"/>
     <xsi:enumeration value="Int8"/>
     <xsi:enumeration value="UInt8"/>
     <xsi:enumeration value="Int16"/>
     <xsi:enumeration value="UInt16"/>
     <xsi:enumeration value="Int32"/>
     <xsi:enumeration value="UInt32"/>
     <xsi:enumeration value="Int64"/>
     <xsi:enumeration value="UInt64"/>
     <xsi:enumeration value="Int128"/>
     <xsi:enumeration value="UInt128"/>
     <xsi:enumeration value="Double"/>
     <xsi:enumeration value="Date"/>
     <xsi:enumeration value="Time"/>
     <xsi:enumeration value="DateTime"/>
     <xsi:enumeration value="String10"/>
     <xsi:enumeration value="String20"/>
     <xsi:enumeration value="String30"/>
     <xsi:enumeration value="String40"/>
     <xsi:enumeration value="String50"/>
     <xsi:enumeration value="String100"/>
     <xsi:enumeration value="String200"/>
     <xsi:enumeration value="StringMax"/>
     <xsi:enumeration value="Decimal1"/>
     <xsi:enumeration value="Decimal2"/>
     <xsi:enumeration value="Decimal3"/>
     <xsi:enumeration value="Decimal4"/>
     <xsi:enumeration value="Decimal5"/>
     <xsi:enumeration value="Decimal6"/>
     <xsi:enumeration value="Decimal7"/>
     <xsi:enumeration value="Decimal8"/>
     <xsi:enumeration value="Decimal9"/>
     <xsi:enumeration value="Decimal10"/>
     <xsi:enumeration value="Binary"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

DirectoryEntity	Enumerator.
Bool	Enumerator.
Int8	Enumerator.
UInt8	Enumerator.
Int16	Enumerator.
UInt16	Enumerator.
Int32	Enumerator.

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UInt32	Enumerator.
Int64	Enumerator.
UInt64	Enumerator.
Int128	Enumerator.
Uint128	Enumerator.
Double	Enumerator.
Date	Enumerator.
Time	Enumerator.
DateTime	Enumerator.
String10	Enumerator.
String20	Enumerator.
String30	Enumerator.
String40	Enumerator.
String50	Enumerator.
String100	Enumerator.
String200	Enumerator.
StringMax	Enumerator.
Decimal1	Enumerator.
Decimal2	Enumerator.
Decimal3	Enumerator.
Decimal4	Enumerator.
Decimal5	Enumerator.
Decimal6	Enumerator.
Decimal7	Enumerator.
Decimal8	Enumerator.
Decimal9	Enumerator.
Decimal10	Enumerator.
Binary	Enumerator.

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5.2.1.188 PropertyUpdate

Object updates a property.

Scheme

```
<xsi:complexType name="PropertyUpdate" abstract="true">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating property</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

id	String	Unique identifier of the entity property.

5.2.1.189 Retention

Object provides information on entity retention policies and disposition holds.

Scheme

```
<xsi:complexType name="Retention">
  <xsi:annotation>
     <xsi:documentation>Represents a retention object, a collection of retention policy and
disposition hold entries attached to an entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Policy" type="tns:RetentionPolicyEntry" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntry"
minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Policy	RetentionPolicyEntry []	Entity retention policy information (optional).
DispositionHold	RetentionDispositionHoldEntry []	Entity disposition hold information (optional).

5.2.1.190 RetentionDispositionHoldEntry

Object provides information on entity disposition hold.

Scheme

```
<xsi:complexType name="RetentionDispositionHoldEntry">
  <xsi:annotation>
     <xsi:documentation>Represents a retention disposition hold entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Name" type="xsi:string"/>
     <xsi:element name="Description" type="xsi:string"/>
     <xsi:element name="Inherited" type="xsi:boolean"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

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Parameters

Name	String	The unique name of the entity disposition hold.
Description	String	A description of the disposition hold.
Inherited	Boolean	Specifies whether the disposition hold is inherited.
id	String	Unique identifier of the entity disposition hold.

5.2.1.191 RetentionDispositionHoldEntryUpdate

Object updates an entity disposition hold.

Scheme

```
<xsi:complexType name="RetentionDispositionHoldEntryUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating retention disposition hold
entry</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="name" type="xsi:string"/>
</xsi:complexType>
```

Parameters

id	String	Unique identifier of the entity disposition hold.
name	String	Unique name of the disposition hold (optional).

5.2.1.192 RetentionPoliciesReadRequest

Object provides request to read the entity retention policies or single retention policy.

Scheme

```
<xsi:complexType name="RetentionPoliciesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a RetentionPoliciesRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the retention policy (optional).

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5.2.1.193 RetentionPoliciesReadResponse

Object provides response to the entity retention policies read.

Scheme

```
<xsi:complexType name="RetentionPoliciesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a RetentionPoliciesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="RetentionPolicy" type="tns:RetentionPolicy" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

RetentionPolicy	RetentionPolicy []	Entity retention policy (optional).

5.2.1.194 RetentionPolicy

Object provides information on entity retention policy.

Scheme

```
<xsi:complexType name="RetentionPolicy">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a retention policy</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Name" type="xsi:string"/>
     <xsi:element name="Accessed" type="xsi:dateTime"/>
     <xsi:element name="Created" type="xsi:dateTime"/>
     <xsi:element name="Modified" type="xsi:dateTime"/>
     <xsi:element name="Action" type="xsi:string"/>
     <xsi:element name="Creator" type="xsi:string"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="DetailedDescription" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Reason" type="xsi:string"/>
     <xsi:element name="Trigger" type="xsi:string"/>
     </xsi:sequence>
     <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Name	String	The name of the retention policy.
Accessed	dateTime	Date and time of the retention policy access.
Created	dateTime	Date and time of the retention policy creation.
Modified	dateTime	Date and time of the retention policy update.
Action	String	The default action of the retention policy.
Creator	String	The author of the retention policy.
Description	String	A description of the retention policy.
DetailedDescription	String	Detailed description of the retention policy.

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Reason	String	The reason for retention policy creation.
Trigger	String	Search string to determine a time frame of a retention period.
id	String	Unique identifier of the retention policy.

5.2.1.195 RetentionPolicyAuditLogReadRequest

Object provides request to read the entity retention policy audit log.

Scheme

```
{code:xml}<xsi:complexType name="RetentionPolicyAuditLogReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an RetentionPolicyAuditLogRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the retention policy.

5.2.1.196 RetentionPolicyEntry

Object provides information on entity retention policy.

Scheme

```
<xsi:complexType name="RetentionPolicyEntry">
  <xsi:annotation>
     <xsi:documentation>Represents a retention policy entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Name" type="xsi:string"/>
     <xsi:element name="Description" type="xsi:string"/>
     <xsi:element name="ExplicitContext" type="tns:RetentionPolicyEntryContext" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="InheritedContext" type="tns:RetentionPolicyEntryContext" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Name	String	The name of the retention policy.
Description	String	A description of the retention policy.
ExplicitContext	RetentionPolicyEntryContext	Explicit context of the retention policy.
InheritedContext	RetentionPolicyEntryContext []	Inherited context of the retention policy.
id	String	Unique identifier of the retention policy.

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5.2.1.197 RetentionPolicyEntryContext

Object provides information on entity retention policy context.

Scheme

```
<xsi:complexType name="RetentionPolicyEntryContext">
  <xsi:annotation>
     <xsi:documentation>Represents a retention policy entry context</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Filter" type="tns:RetentionPolicyEntryFilter"/>
  </xsi:sequence>
  <xsi:attribute name="effective" type="xsi:boolean"/>
  <xsi:attribute name="scope" type="tns:RetentionPolicyEntryScopeType"/>
</xsi:complexType>
```

Parameters

Filter	RetentionPolicyEntryFilter	Entity retention policy filter.
effective	Boolean	Effective explicit retention policy of the selected entity.
scope	RetentionPolicyEntryScopeType	The scope of the retention policy context.

5.2.1.198 RetentionPolicyEntryFilter

Object provides information on entity retention policy filter.

Scheme

```
<xsi:complexType name="RetentionPolicyEntryFilter">
  <xsi:annotation>
     <xsi:documentation>Represents a retention policy entry filter</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="classes" type="xsi:boolean" use="required"/>
  <xsi:attribute name="documents" type="xsi:boolean" use="required"/>
  <xsi:attribute name="folders" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

Parameters

classes	Boolean	CLASS entity type.
folders	Boolean	FOLDER entity type.
documents	Boolean	DOCUMENT entity type.

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5.2.1.199 RetentionPolicyEntryScopeType

Object provides information on entity retention policy scope type.

Scheme

```
<xsi:simpleType name="RetentionPolicyEntryScopeType">
  <xsi:annotation>
     <xsi:documentation>Represents a retention policy entry scope type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
     <xsi:enumeration value="Allow"/>
     <xsi:enumeration value="Deny"/>
  </xsi:restriction>
</xsi:simpleType>
```

Parameters

Allow	Allowed.
Deny	Denied.

5.2.1.200 RetentionPolicyEntryUpdate

Object updates the retention policy.

Scheme

```
<xsi:complexType name="RetentionPolicyEntryUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating retention policy entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Filter" type="tns:RetentionPolicyEntryFilter" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
     <xsi:attribute name="scope" type="tns:RetentionPolicyEntryScopeType"/>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="name" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Filter	RetentionPolicyEntryFilter	Entity retention policy filter (optional).
scope	RetentionPolicyEntryScopeType	The scope of the retention policy context.
id	String	Unique identifier of the retention policy.
name	String	The name of the retention policy.

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5.2.1.201 RetentionPolicyObjectsReadRequest

Object provides request to read the entity retention policy content objects.

Scheme

```
<xsi:complexType name="RetentionPolicyObjectsReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an RetentionPolicyObjectsRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Object" type="tns:ObjectId" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the retention policy.
Object	ObjectId[]	Unique identifiers of the objects (optional).

5.2.1.202 RetentionPolicyObjectsReadResponse

Object provides response to the entity retention policy content objects read.

Scheme

```
<xsi:complexType name="RetentionPolicyObjectsReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an RetentionPolicyObjectsRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Object	ObjectItem []	Entity retention policy objects (optional).

5.2.1.203 RetentionUpdate

Object updates an entity retention policy and disposition hold.

Scheme

```
<xsi:complexType name="RetentionUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating retention</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Policy" type="tns:RetentionPolicyEntryUpdate" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntryUpdate"
minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Policy	RetentionPolicyEntryUpdate []	Entity retention policy update.
DispositionHold	RetentionDispositionHoldEntryUpdate []	Entity disposition hold update.

5.2.1.204 Review

Object provides information on the review. The object has been derived from the ReviewStub.

Scheme

```
<xsi:complexType name="Review">
  <xsi:annotation>
     <xsi:documentation>Defines a review type</xsi:documentation>
  </xsi:annotation>
     <xsi:complexContent>
        <xsi:extension base="tns:ReviewStub">
        </xsi:sequence>
           <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
           <xsi:element name="Comments" type="xsi:string" minOccurs="0" maxOccurs="1"/>
           <xsi:element name="Documents" type="tns:EntityStub" minOccurs="0"
maxOccurs="unbounded"/>
           <xsi:element name="Item" type="tns:ReviewItemEntry" minOccurs="0"
maxOccurs="unbounded"/>
           <xsi:element name="Members" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
           <xsi:element name="QueryExpression" type="xsi:string" minOccurs="0" maxOccurs="1"/>
           <xsi:element name="RetentionPolicy" type="tns:RetentionPolicy" minOccurs="0"
maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Action	String	The action on the entity.
Comments	String	The comments in the review (optional).
Documents	EntityStub []	Documents added to the review.
Item	ReviewItemEntry []	The pages of the review.
Members	String []	The review members.
QueryExpression	String	Query expression.
RetentionPolicy	RetentionPolicy []	The collection of the retention policies.

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5.2.1.205 ReviewAuditLogReadRequest

Object provides request to read the review audit log.

Scheme

```
<xsi:complexType name="ReviewAuditLogReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewAuditLogRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

5.2.1.206 ReviewCloseRequest

Object provides information on the request to close the open review.

Scheme

```
<xsi:complexType name="ReviewCloseRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewClose operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Handle" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Handle	String	Temporary identifier of the review.

5.2.1.207 ReviewCloseResponse

Object provides information on the response to close the open review.

Scheme

```
<xsi:complexType name="ReviewCloseResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewClose operation response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

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5.2.1.208 ReviewCreate

Object provides information on the review creation.

Scheme

```
<xsi:complexType name="ReviewCreate">
  <xsi:annotation>
     <xsi:documentation>Defines a review update type</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:ReviewUpdate">
        <xsi:sequence>
           <xsi:element name="ScopeId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
           <xsi:element name="QueryExpression" type="xsi:string" minOccurs="0" maxOccurs="1"/>
           <xsi:element name="RetentionPolicy" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

ScopeId	EntityId	Entity identifier (optional).
QueryExpression	String	The query expression (optional; if RetentionPolicy is present, this field must not be sent).
RetentionPolicy	String []	Collection of retention policies identifiers (optional; if QueryExpression is present, this field must not be sent).

5.2.1.209 ReviewCreateRequest

Object provides request to create review.

Scheme

```
<xsi:complexType name="ReviewCreateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Review" type="tns:ReviewCreate"/>
     <xsi:element name="Staged" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Review	ReviewCreate	The review.
Staged	Boolean	Specifies whether the entity will be opened in editing mode and not saved.

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5.2.1.210 ReviewEntityStub

Object provides information on the entity at the review page.

Scheme

```
<xsi:complexType name="ReviewEntityStub">
  <xsi:annotation>
     <xsi:documentation>Defines a review entity stub type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="TransferId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Transferred" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Type" type="tns:EntityType" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Action	String	The action on the entity (optional).
Comment	String	The comment of the review (optional).
ClassificationCode	String	The classification code of the entity (optional).
Id	String	The identifier of the entity (optional).
Reason	String	The reason for the action (optional).
Title	String	The title of the entity (optional).
TransferId	String	The identifier of the transferred entity (optional).
Transferred	Boolean	Specifies whether the entity was transferred (optional).
Type	EntityType	The type of the entity (optional).

5.2.1.211 ReviewOpenRequest

Object provides request to open the review.

Scheme

```
<xsi:complexType name="ReviewOpenRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

5.2.1.212 ReviewOpenResponse

Object provides response to the review open.

Scheme

```
<xsi:complexType name="ReviewOpenResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewOpen operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Id	EntityId	Unique identifier of the opened review.

5.2.1.213 ReviewItem

Object provides information on the review page.

Scheme

```
<xsi:complexType name="ReviewItem">
  <xsi:annotation>
     <xsi:documentation>Defines a review item type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Accessed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Entity" type="tns:ReviewEntityStub" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Accessed	dateTime	Date and time of the review access.
Action	String []	The actions on the review page.
Created	dateTime	Date and time of the review creation.
Entity	ReviewEntityStub []	The collection of entities of the review page.
Id	String	The identifier of the review page.
Modified	dateTime	Date and time of the review modification.
Title	String	The title of the review.

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5.2.1.214 ReviewItemEntityUpdate

Object updates an entity of the review page.

Scheme

```
<xsi:complexType name="ReviewItemEntityUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a review item update type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
     <xsi:element name="TransferId" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
     <xsi:element name="Transferred" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Action	String	The action on the entity (optional).
Comment	String	The comment of the review (optional).
Id	String	The identifier of the entity (optional).
Reason	String	The reason for the action (optional).
TransferId	String	The identifier of the transferred entity (optional).
Transferred	Boolean	Specifies whether the entity was transferred (optional).

5.2.1.215 ReviewItemEntry

Object provides information on the review page.

Scheme

```
<xsi:complexType name="ReviewItemEntry">
  <xsi:annotation>
     <xsi:documentation>Defines a review item entry type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Accessed" type="xsi:dateTime"/>
     <xsi:element name="Created" type="xsi:dateTime"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Modified" type="xsi:dateTime"/>
     <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Accessed	dateTime	Date and time of the review access.
Created	dateTime	Date and time of the review creation.
Id	String	The identifier of the page.
Modified	dateTime	Date and time of the review modification.
Title	String	The title of the review page.

5.2.1.216 ReviewItemReadRequest

Object provides request to read the review page.

Scheme

```
<xsi:complexType name="ReviewItemReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewItemRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ItemId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the review.
ItemId	String	The identifier of the page review.

5.2.1.217 ReviewItemReadResponse

Object provides response to the review page read.

Scheme

```
<xsi:complexType name="ReviewItemReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewItemRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Item" type="tns:ReviewItem"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Item	ReviewItem	Review page.

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5.2.1.218 ReviewItemUpdateRequest

Object provides request to update the entities of the review page.

Scheme

```
<xsi:complexType name="ReviewItemUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewItemUpdate operation request</xsi:documentation>
  </xsi:annotation>
   <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="ItemId" type="xsi:string"/>
     <xsi:element name="Entity" type="tns:ReviewItemEntityUpdate" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the review.
ItemId	String	The identifier of the page review.
Entity	ReviewItemEntityUpdate []	The collection of review entities.

5.2.1.219 ReviewReadRequest

Object provides request to read the review.

Scheme

```
<xsi:complexType name="ReviewReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the review.

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5.2.1.220 ReviewReadResponse

Object provides response to the review read.

Scheme

```
<xsi:complexType name="ReviewReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Review" type="tns:Review"/>
     <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Review	Review	The review.
Handle	String	Temporary identifier of the open review (optional).

5.2.1.221 ReviewsReadResponse

Object provides response to the reviews read.

Scheme

```
<xsi:complexType name="ReviewsReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a ReviewsRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Review" type="tns:ReviewStub" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Category	Category []	The collection of the categorites.
Review	ReviewStub	The collection of the reviews (optional).
PageStart	unsignedInt	The beginning of the review page (optional).
PageSize	unsignedInt	The review page size (optional).
Size	long	The size of the review.

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5.2.1.222 ReviewStub

Object provides public information on the review.

Shema

```
<xsi:complexType name="ReviewStub">
  <xsi:annotation>
     <xsi:documentation>Defines a review stub type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Accessed" type="xsi:dateTime"/>
     <xsi:element name="AIP" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Closed" type="xsi:dateTime"/>
     <xsi:element name="Created" type="xsi:dateTime"/>
     <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Accessed	dateTime	Date and time of the access.
AIP	boolean	Specifies whether authenticity and integrity proofs exist.
Closed	dateTime	Date and time of the entity status change to »Closed« (optional).
Created	dateTime	Date and time of the review creation.
Creator	DirectoryEntityInfo	The author of the review.
Description	string	The description of the review (optional).
Id	string	The identifier of the review.
Title	string	The title of the review.

5.2.1.223 ReviewStubReadRequest

Object provides request to read the review public information.

Scheme

```
<xsi:complexType name="ReviewStubReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewStubRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

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5.2.1.224 ReviewStubReadResponse

Object provides response to the review public information read.

Scheme

```
<xsi:complexType name="ReviewStubReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewStubRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ReviewStub" type="tns:ReviewStub"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

ReviewStub	ReviewStub	The review public information.

5.2.1.225 ReviewTemplateReadRequest

Object provides request to read the review template.

Scheme

```
<xsi:complexType name="ReviewTemplateReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewTemplateRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

5.2.1.226 ReviewTemplateReadResponse

Object provides response to the review template read.

Scheme

```
<xsi:complexType name="ReviewTemplateReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewTemplateRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Template" type="tns:Template"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Template	Template	The review template.

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5.2.1.227 ReviewTransferRequest

Object provides request to transfer entities of the review.

Shema

```
<xsi:complexType name="ReviewTransferRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewTransfer operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string"/>
     <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="AdditionalMetadata" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.
AuditLog	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
Evidence	Boolean	Specifies whether the authenticity and integrity proofs are exported for each entity (default value: true).
AdditionalMetadata	base64Binary	The dataset of additional metadata on transfer (XML).

5.2.1.228 ReviewUpdate

Object updates a review.

Scheme

```
<xsi:complexType name="ReviewUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a review update type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Comments" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ConfirmTransfer" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime" xmime:expectedContentTypes="application/octet-
stream"/>
     <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Members" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Status" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
     <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

Action	String	The review action.
Comments	String	The comment of the review (optional).
ConfirmTransfer	base64Binary	The transfer confirmation (optional).
Description	String	The description of the review (optional).
Keyword	String []	The keywords of the review (optional).
Members	String []	The members of the review (optional).
Owner	String	The owner of the review (optional).
Status	InheritedStringPropertyUpdate	The status of the review (optional).
Title	String	The title of the review (optional).

5.2.1.229 ReviewUpdateRequest

Object provides request to update the review.

Scheme

```
<xsi:complexType name="ReviewUpdateRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an ReviewUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="tns:EntityId"/>
     <xsi:element name="Review" type="tns:ReviewUpdate"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	EntityId	Unique identifier of the review.
Review	ReviewUpdate	The review.

5.2.1.230 SessionCloseRequest

Object provides request to close the session.

Scheme

```
<xsi:complexType name="SessionCloseRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a SessionClose operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

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Parameters

SessionToken	String	Unique identifier of the session.

5.2.1.231 SessionCloseResponse

Object provides response to the session close.

Scheme

```
<xsi:complexType name="SessionCloseResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a SessionClose operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence/>
</xsi:complexType>
```

5.2.1.232 SessionOpenRequest

Object provides request to open the session.

Scheme

```
<xsi:complexType name="SessionOpenRequest">
  <xsi:annotation>
     <xsi:documentation>Represents an SessionOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="ArchiveId" type="xsi:string"/>
     <xsi:element name="Authentication" type="tns:Authentication"/>
     <xsi:element name="ComputerName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ApplicationName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="ApiVersion" type="xsi:int" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="Impersonate" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

ArchiveId	String	Unique identifier of the archive.
Authentications	Authentication	The authentication information.
ComputerName	String	Unique name of the computer device (optional).
ApplicationName	String	Unique name of the application (optional).
ApiVersion	int	API version (optional).
Impersonate	String	The username of the user being impersonated (optional).

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5.2.1.233 SessionOpenResponse

Object provides response to the session open.

Scheme

```
<xsi:complexType name="SessionOpenResponse">
  <xsi:annotation>
     <xsi:documentation>Represents an SessionOpen operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="ApiVersion" type="xsi:int"/>
     <xsi:element name="ServiceName" type="xsi:string"/>
     <xsi:element name="ServiceVersion" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
ApiVersion	int	API version.
ServiceName	String	The name of the archive service.
ServiceVersion	Long	Version of the archive service.

5.2.1.234 StringProperty

Object provides information on »String« property.

Scheme

```
<xsi:complexType name="StringProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a String10 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:string">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	String []	»Time« property value.
key	String	Value key.

5.2.1.235 StringPropertyUpdate

Object updates the »String« property.

Scheme

```
<xsi:complexType name="StringPropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating String property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	String []	»String« property value.

5.2.1.236 SystemProperties

Object provides information on system metadata.

Scheme

```
<xsi:complexType name="SystemProperties">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a system properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Title" type="tns:Property"/>
     <xsi:element name="Description" type="tns:Property"/>
     <xsi:element name="Keywords" type="tns:Property"/>
     <xsi:element name="Status" type="tns:Property"/>
     <xsi:element name="SecurityClass" type="tns:Property"/>
     <xsi:element name="Owner" type="tns:Property"/>
     <xsi:element name="ExternalIds" type="tns:Property"/>
     <xsi:element name="Opened" type="tns:Property"/>
     <xsi:element name="Closed" type="tns:Property"/>
     <xsi:element name="Creator" type="tns:Property"/>
     <xsi:element name="Significance" type="tns:Property"/>
     <xsi:element name="PhysicalProperties" type="tns:TemplatePhysicalProperties"
minOccurs="0" maxOccurs="1"/>
     <xsi:element name="EmailProperties" type="tns:TemplateEmailProperties" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Title	Property	The title of the entity.
Description	Property	A description of the entity.
Keywords	Property	Keywords of the entity.
Status	Property	The status of the entity.
SecurityClass	Property	The security class of the entity.

Owner	Property	The custodian of the entity.
ExternalIds	Property	External identifiers.
Opened	Property	Date of open.
Closed	Property	Date of close.
Creator	Property	The author of the entity.
Significance	Property	The significance of the entity.
ModifiedBy	Property	The user who last modified the entity.
PhysicalProperties	TemplatePhysicalProperties	Physical properties.
EmailProperties	TemplateEmailProperties	Email properties.

5.2.1.237 Template

Object provides information on template.

Scheme

```
<xsi:complexType name="Template">
  <xsi:annotation>
     <xsi:documentation>Represents a template</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="EntityType" type="tns:EntityType"/>
     <xsi:element name="Description" type="xsi:string"/>
     <xsi:element name ="EntityCount" type="xsi:unsignedInt"/>
     <xsi:element name ="PhysicalProperties" type="xsi:boolean"/>
     <xsi:element name ="EmailProperties" type="xsi:boolean"/>
     <xsi:element name ="StatusValues" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
     <xsi:element name ="SecurityClassValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name ="SignificanceValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name ="PhysicalPropertyStatusValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
     <xsi:element name ="SystemProperties" type="tns: SystemProperties"/>
     <xsi:element name ="Property" type="tns:Property" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Label	String	The label of the template.
EntityType	EntityType	Entity type.
Description	String	A description of the template.
EntityCount	unsignedInt	The number of entities where template is used.
PhysicalProperties	Boolean	Provides information on physical properties.
EmailProperties	Boolean	Provides information on email properties.
Versionable	Boolean	Specifies whether the template is versionable.

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StatusValues	String[]	The set of status values.
SecurityClassValues	String[]	The set of security class values.
SignificanceValues	String[]	The set of significance values.
PhysicalPropertyStatusValues	String[]	The set of physical property status values.
Property	Property []	The set of template-related metadata.
id	String	Unique identifier of the template.
SystemProperties	SystemProperties	System metadata.

5.2.1.238 TemplateEmailProperties

Object provides information on email system metadata.

Scheme

```
<xsi:complexType name="TemplateEmailProperties">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a template email
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Subject" type="tns:Property"/>
     <xsi:element name="From" type="tns:Property"/>
     <xsi:element name="To" type="tns:Property"/>
     <xsi:element name="CC" type="tns:Property"/>
     <xsi:element name="BCC" type="tns:Property"/>
     <xsi:element name="Date" type="tns:Property"/>
     <xsi:element name="MessageId" type="tns:Property"/>
     <xsi:element name="Priority" type="tns:Property"/>
     <xsi:element name="Signed" type="tns:Property"/>
     </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Subject	Property	Email subject.
From	Property	Email address of the sender.
To	Property	Email addresses of the recipients.
CC	Property	Email addresses of the carbon copy recipients.
BCC	Property	Email addresses of the hidden recipients.
Date	Property	Date and time of email.
MessageId	Property	Email identifier.
Priority	Property	Email significance.
Signed	Property	Property that shows whether an email is electronically signed.

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5.2.1.239 TemplateInfo

Object provides information on the template.

Scheme

```
<xsi:complexType name="TemplateInfo">
  <xsi:annotation>
     <xsi:documentation>Represents a template info</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Label" type="xsi:string" minOccurs="0" maxOccurs="1"/>
     <xsi:element name="EntityType" type="tns:EntityType"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Label	String	The label of the template.
EntityType	EntityType	The entity type.
id	String	Unique identifier of the template.

5.2.1.240 TemplatePhysicalProperties

Object provides information on system metadata of physical properties.

Scheme

```
<xsi:complexType name="TemplatePhysicalProperties">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a template physical
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Id" type="tns:Property"/>
     <xsi:element name="Description" type="tns:Property"/>
     <xsi:element name="Status" type="tns:Property"/>
     <xsi:element name="StatusChange" type="tns:Property"/>
     <xsi:element name="HomeLocation" type="tns:Property"/>
     <xsi:element name="CurrentLocation" type="tns:Property"/>
     <xsi:element name="Custodian" type="tns:Property"/>
     <xsi:element name="ReturnDue" type="tns:Property"/>
     </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

Parameters

Id	Property	The physical properties identifier.
Description	Property	A description of physical properties.
Status	Property	The status of physical properties.
StatusChange	Property	Date and time of archive status change.
HomeLocation	Property	The home location of the content.
CurrentLocation	Property	The current location of the content.

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Custodian	Property	The custodian of the content.
ReturnDue	Property	The return date of the content.

5.2.1.241 TemplatesReadRequest

Object provides request to read templates.

Scheme

```
<xsi:complexType name="TemplatesReadRequest">
  <xsi:annotation>
     <xsi:documentation>Represents a TemplatesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="SessionToken" type="xsi:string"/>
     <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the template (optional).

5.2.1.242 TemplatesReadResponse

Object provides response to the templates read.

Scheme

```
<xsi:complexType name="TemplatesReadResponse">
  <xsi:annotation>
     <xsi:documentation>Represents a TemplatesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
     <xsi:element name="Template" type="tns:Template" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

Parameters

Template	Template []	Template (optional).

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5.2.1.243 TimeProperty

Object provides information on »Time« property.

Scheme

```
<xsi:complexType name="TimeProperty">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a time property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:time">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	time []	»Time« property value.
key	String	Value key.

5.2.1.244 TimePropertyUpdate

Object updates the »Time« property.

Scheme

```
<xsi:complexType name="TimePropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating time property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:time" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	time []	»Time« property values.

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5.2.1.245 Tree

Object specifies whether child objects are shown in a tree structure.

Scheme

```
<xsi:complexType name="Tree">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a audit log event</xsi:documentation>
  </xsi:annotation>
  <xsi:simpleContent>
     <xsi:extension base="xsi:boolean">
        <xsi:attribute name="maxLevel" type="xsi:unsignedInt"/>
        <xsi:attribute name="flat" type="xsi:boolean"/>
     </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

Parameters

maxLevel	UnsignedInt	Specifies the level of child objects (only if tree=True). Default value = 0 (show all).
flat	Boolean	Specifies whether child objects are shown in a flat list.

5.2.1.246 Uint8Property

Object provides information on »UInt8« property.

Scheme

```
<xsi:complexType name="UInt8Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a UInt8 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:short">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	short []	»UInt8« property value.
key	String	Value key.

5.2.1.247 UInt8PropertyUpdate

Object updates the »UInt8« property.

Scheme

```
<xsi:complexType name="UInt8PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating UInt8 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:short" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	short []	»UInt8« property values.

5.2.1.248 Uint16Property

Object provides information on »UInt16« property.

Scheme

```
<xsi:complexType name="UInt16Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a UInt16 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:int">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	int []	»UInt16« property value.
key	String	Value key.

5.2.1.249 UInt16PropertyUpdate

Object updates the »UInt16« property.

Scheme

```
<xsi:complexType name="UInt16PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating UInt16 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:int" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	int []	»UInt8« property values.

5.2.1.250 Uint32Property

Object provides information on »UInt32« property.

Scheme

```
<xsi:complexType name="UInt32Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a UInt32 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:long">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	long []	»UInt32« property value.
key	String	Value key.

5.2.1.251 UInt32PropertyUpdate

Object updates the »UInt32« property.

Scheme

```
<xsi:complexType name="UInt32PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating UInt32 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:long" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	long []	»UInt32« property values.

5.2.1.252 Uint64Property

Object provides information on »UInt64« property.

Scheme

```
<xsi:complexType name="UInt64Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a UInt64 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:integer">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	integer []	»UInt64« property value.
key	String	Value key.

5.2.1.253 UInt64PropertyUpdate

Object updates the »UInt64« property.

Scheme

```
<xsi:complexType name="UInt64PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating UInt64 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:integer" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	integer []	»UInt64« property values.

5.2.1.254 Uint128Property

Object provides information on »UInt128« property.

Scheme

```
<xsi:complexType name="UInt128Property">
  <xsi:annotation>
     <xsi:documentation>Represents a definition of a UInt128 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:Property">
        <xsi:sequence>
           <xsi:element name="Value" minOccurs="0" maxOccurs="unbounded">
              <xsi:complexType>
                 <xsi:simpleContent>
                    <xsi:extension base="xsi:integer">
                       <xsi:attribute name="key" type="xsi:string">
                          <xsi:annotation>
                             <xsi:documentation>Represents a pick list value
key</xsi:documentation>
                          </xsi:annotation>
                       </xsi:attribute>
                    </xsi:extension>
                 </xsi:simpleContent>
              </xsi:complexType>
           </xsi:element>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	integer []	»UInt128« property value.
key	String	Value key.

5.2.1.255 UInt128PropertyUpdate

Object updates the »UInt128« property.

Scheme

```
<xsi:complexType name="UInt128PropertyUpdate">
  <xsi:annotation>
     <xsi:documentation>Defines a type for updating UInt128 property</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
     <xsi:extension base="tns:PropertyUpdate">
        <xsi:sequence>
           <xsi:element name="Value" type="xsi:integer" minOccurs="0" maxOccurs="unbounded"/>
        </xsi:sequence>
     </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

Parameters

Value	integer []	»UInt128« property values.

5.2.2 Start page

IMiS®/Storage Connector Services SOAP enables integrating IMiS®/ARChive Server with applications via the SOAP protocol. An example of the start page is given below based on https://apps.imis.eu/StorageConnectorServicesSoap/.

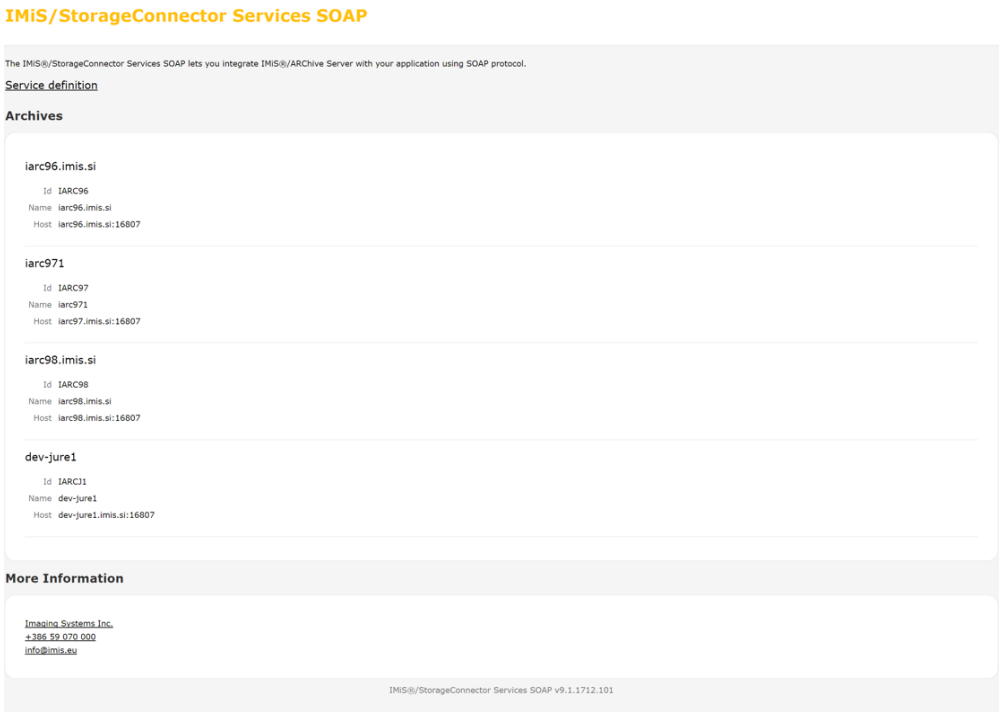

Image 1: Start page of SOAP interface

5.2.3 Web.xml configuration

An example of web.xml configuration is given below.

```
<web-app>
  <!-- Configuration path -->
  <context-param>
     <param-name>com.imis.storageconnector.services.config</param-name>
     <param-value>C:/scsvc/configuration/config.xml</param-value>
  </context-param>
</web-app>
```

The path to the configuration file is provided via: com.imis.storageconnector.services.config [String] (optional, default value: "/WEB-INF/config/config.xml").

5.2.4 Archives

5.2.4.1 Archives read

Operation reads archive servers available to the users.

Request

See chapter ArchivesReadRequest

Response

See chapter ArchivesReadResponse

Example

An example of the archives read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
     <soapenv:Body>
     <ser:ArchivesReadRequest/>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <ArchivesReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <Archive id="IARC98">
           <Host>iarc98.imis.si</Host>
           <Port>16807</Port>
        </Archive>
        <Archive id="IARC98">
           <Host>iarc98.imis.si</Host>
           <Port>16807</Port>
        </Archive>
     </ArchivesReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.4.2 Archive read

Operation reads the archive server, user roles and links to significant archive operations.

Request

See chapter ArchiveReadRequest

Response

See chapter ArchiveReadResponse

Example

An example of the archive read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:ArchiveReadRequest>
     <ser:SessionToken>2598c80f-b84b-4853-910a-62b495020a59</ser:SessionToken>
  </ser:ArchiveReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

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Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <ArchiveReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Archive id="IARC98s">
           <Name>iarc98s</Name>
           <Description>The archiving of unlimited quantities of binary objects.</Description>
           <Host>iarcs://iarc98.imis.si</Host>
           <Capabilities auditQuery="true" importExport="true" reports="true"
contentManagement="true"/>
           <Features contentConvert="true" contentDetach="true" contentIndex="true"
contentMove="true"/>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <Secure>true</Secure>
        </Archive>
     </ArchiveReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.4.3 Archive certificate read

Operation obtains the archive server certificate.

Request

See chapter ArchiveCertificateReadRequest

Response

See chapter ArchiveCertificateReadResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:ArchiveCertificateReadRequest>
        <ser:SessionToken>d1409063-8631-41c6-87bc-30fb57f94d48</ser:SessionToken>
     </ser:ArchiveCertificateReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

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Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <ArchiveCertificateReadResponse xmlns="http://www.imis.eu/storageconnector/services">

<Certificate>LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tDQpNSUlET2pDQ0FpSUNDUURPQS96VnhGTGNUekFOQmdrc
WhraUc5dzBCQVFzRkFEQmZNUmN3RlFZRFZRUUREQTVwDQpZWEpqT1RndWFXMXBjeTV6YVRFUU1BNEdBMVVFQ3d3SFUyVnl
kbVZ5Y3pFbE1DTUdBMVVFQ2d3Y1NVMXBVeTlCDQpVa05vYVhabElGTjBiM0poWjJVZ1UyVnlkbVZ5Y3pFTE1Ba0dBMVVFQ
mhNQ1ZWTXdIaGNOTVRjd05ESTRNVE0wDQpOekl6V2hjTk1qY3dOREk1TVRNME56SXpXakJmTVJjd0ZRWURWUVFEREE1cFl
YSmpPVGd1YVcxcGN5NXphVEVRDQpNQTRHQTFVRUN3d0hVMlZ5ZG1WeWN6RWxNQ01HQTFVRUNnd2NTVTFwVXk5QlVrTm9hW
FpsSUZOMGIzSmhaMlVnDQpVMlZ5ZG1WeWN6RUxNQWtHQTFVRUJoTUNWVk13Z2dFaU1BMEdDU3FHU0liM0RRRUJBUVVBQTR
JQkR3QXdnZ0VLDQpBb0lCQVFDOFF3ZTBBN0hGcHROOTBzcU03U0RnRERGYUZ5dVd2RXFQTUVEc1JPdS9maEh3ZTRFUTBsN
WpWZmRFDQptU28rUFVEZnJqR3lWbGVsQm9SbkhVUkJsSzk3dHlqb1JEMlI1ZFlZTTl5QzlNemtjdUwrT0QxdGQ3ZU9zTzh
tDQovVmcyTVlVaksrejZJRzNOaGtvUEMwc3dCZGxYSVVoWkhNbk5QSVRyYjNJdmV0a25haHE1d0NYaU96eDVESVdoDQpic
2FIQm9BWng1d2ltOVFEajU3WFNxcERrRzJtdnU3dXZtMHZzOEJuM1JzYlNlN1puM3NEbXcvbG0xYnc2STBODQpvSGNtcWN
FTHdhRXc5dUZWcmF4c2ZRaGJxV2RuNkF6cnlJN1p2QnVhK1pwMDBJZ1pvS3J5VWNrK2tSelVSQ1RWDQp2cHEyY0pWMDh6Y
zFOak1PazgwSmpRRDNrMnBCQWdNQkFBRXdEUVlKS29aSWh2Y05BUUVMQlFBRGdnRUJBRlJlDQpNSXRldXcxRGVPTk9pSTQ
rOVNLb3ZOM3lwSkFZVmloNGRnSWh0Nk9WUEs4cHQvYitjSS9LdXZ2WnF3Y2p4L1ZHDQp2TG1UR2g4TXgwZTNIUnhFNVlvY
VJNdVVDQy9vUjJ2ZUVzNVZLOTE4ejBxbEVLc3lzTmZ5NUdTZ2xPRUI0SWp0DQpaOXJ0SFFkaUt5bnZIWTlUUjBNU1RUK3d
DbmhiMVZObmk4eWV5NmZSZk5VYW1FQ3NabG95U2tDRFREYkRnZi8rDQpiQVhhMmxkTzZteHBnV2JqNGdiZElwVTdsNWdmd
ERGZSthlkzTExuV1hBTVVhU3Z2Z0lTMUpsZ2VCRkZ1dDk0DQpld1d6YmNLMzVUWjRnS0VLWUppZnIvbnhGNHcrTDI3ZjZ
LSGFqczBMMnowc3c4OXQwWHpSWFNRMGVDck1qZFZyDQo4RGlXd1A2ekhSQzZzSFpRYmdBPQ0KLS0tLS1FTkQgQ0VSVElGS
UNBVEUtLS0tLQ==</Certificate>
     </ArchiveCertificateReadResponse>
  </S:Body>
</S:Envelope>
```


5.2.5 Session

5.2.5.1 Session open

Operation opens the session to access the archive server.

Request

See chapter SessionOpenRequest

Response

See chapter SessionOpenResponse

Example

An example of the session open.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:SessionOpenRequest>
        <ser:ArchiveId>IARC98</ser:ArchiveId>
        <ser:Authentication>
           <ser:Username>admin</ser:Username>
           <ser:Password>xxxxxxx</ser:Password>
        </ser:Authentication>
     </ser:SessionOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <SessionOpenResponse xmlns="http://www.imis.si/storageconnector/services">
        <SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</SessionToken>
     </SessionOpenResponse>
  </S:Body>
</S:Envelope>
```

5.2.5.2 Session close

Operation closes the session.

Request

See chapter SessionCloseRequest

Response

See chapter SessionCloseResponse

Example

An example of the session close.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:SessionCloseRequest>
        <ser:SessionToken>d93dc19a-0acb-42ce-8b0b-0dddb62592dc</ser:SessionToken>
     </ser:SessionCloseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <SessionCloseResponse xmlns="http://www.imis.si/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.6 Entity

5.2.6.1 Entities read

Operation reads entities.

Request

See chapter EntitiesReadRequest

Response

See chapter EntitiesReadResponse

Example #1

An example of the entities read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntitiesReadRequest>
        <ser:SessionToken>1f8a087c-b749-49eb-b65c-16598cf42a18</ser:SessionToken>
     </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntitiesReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <EntityStub id="flNI4IV1gz-7qSu7XIibTh_i2cGAeMe1DIyuUqrEBPM">
           <Description>Administration documents</Description>
           <ClassificationCode> C=100</ClassificationCode>
           <PublicClassificationCode>100</PublicClassificationCode>
           <Title>Administration</Title>
           <Type>Class</Type>
        </EntityStub>
        <EntityStub id="egSDH8ahuBifOUfXzfZKkDxnkD0_6X9xOlSa9v_aDVc">
           <Description>Finance documents</Description>
           <ClassificationCode>C=101</ClassificationCode>
           <PublicClassificationCode>101</PublicClassificationCode>
           <Title>Finance</Title>
           <Type>Class</Type>
        </EntityStub>
        <EntityStub id="4pyn3eeIdCU75bokcln0qxlOrUZD7YkJvAvx-r_tdd4">
           <ClassificationCode>C=102</ClassificationCode>
           <PublicClassificationCode>102</PublicClassificationCode>
           <Title>Production</Title>
           <Type>Class</Type>
        </EntityStub>
     </EntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

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Example #2

An example of the entities read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntitiesReadRequest>
        <ser:SessionToken>57eec86f-4166-4bf7-a92e-3a0f7cba7d9b</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=60</ser:Id>
     </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntitiesReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <EntityStub id="gYq2dIJTWPzK2HKMrgcvZ25OvR4q4KndHGWYVfDg-jM">
           <ClassificationCode>C=60^D=00010</ClassificationCode>
           <PublicClassificationCode>60/00010</PublicClassificationCode>
           <Title>Business plan September</Title>
           <Type>Document</Type>
        </EntityStub>
        <EntityStub id="gsPSVmGksmrUCCetPtMvi8onjbnIT4beZTW3NbSIM_g">
           <ClassificationCode>C=60^D=00012</ClassificationCode>
           <PublicClassificationCode>60/00012</PublicClassificationCode>
           <Title>Business plan October</Title>
           <Type>Document</Type>
        </EntityStub>
        <EntityStub id="GOgodd_8wz_z8dyj5ZAJXr6W8RkSzPSKzSpVTvVRaso">
           <Description>Opis...</Description>
           <ClassificationCode>C=60^D=00102</ClassificationCode>
           <PublicClassificationCode>60/00102</PublicClassificationCode>
           <Title>Business plan November</Title>
           <Type>Document</Type>
        </EntityStub>
        <EntityStub id="aIgT0BJxPaMCjwKsMnr0YlrMwKyWyKLzkYHMz1szQ9E">
           <ClassificationCode>C=60^D=00106</ClassificationCode>
           <PublicClassificationCode>60/00106</PublicClassificationCode>
           <Title>Business plan December</Title>
           <Type>Document</Type>
        </EntityStub>
     </EntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

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Example #3

An example of the entities read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntitiesReadRequest>
        <ser:SessionToken>57eec86f-4166-4bf7-a92e-3a0f7cba7d9b</ser:SessionToken>
           <ser:Id type="ClassificationCode">C=216</ser:Id>
           <ser:Filter all="true"/>
        </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntitiesReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <EntityStub id="tFcVBPBHyYZHisrCMehT9udTNg72Q6rKq-NL_SO5g7c">
           <ClassificationCode>C=216^C=01</ClassificationCode>
           <PublicClassificationCode>216.01</PublicClassificationCode>
           <Title>Account payable</Title>
           <Type>Class</Type>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>admin</Creator>
           <Template>Class</Template>
           <Created>2016-10-04T12:08:37.047Z</Created>
           <Accessed>2016-10-04T12:08:37.047Z</Accessed>
           <Modified>2016-10-04T12:08:37.047Z</Modified>
           <Opened>2016-10-04T12:08:37.047Z</Opened>
           <SecurityClass inherited="true"/>
           <Significance inherited="true"/>
           <Status inherited="true">Opened</Status>
           <SubEntityTemplate>Class</SubEntityTemplate>
           <SubEntityTemplate>Case</SubEntityTemplate>
           <SubEntityTemplate>Document</SubEntityTemplate>
           <SubEntityTemplate>Email</SubEntityTemplate>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <ParentId type="Internal">tfUt2U8WnXzgjcsvX9-dwIYsePfDc1EKiwk_rrOYOP4</ParentId>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <Property xsi:type="DateProperty" name="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" nonEmpty="false" pickList="false" public="true"
readOnly="false" required="false" searchable="true" unique="false"/>
              <Description>Non mandatory validation date</Description>
              <Type>Date</Type>
           </Property>
           <Property xsi:type="DateTimeProperty" name="Verification date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" nonEmpty="false" pickList="false" public="true"
readOnly="false" required="false" searchable="true" unique="false"/>
              <Description>Non mandatory date of verification</Description>
              <Type>DateTime</Type>
```

```
            </Property>
         </EntityStub>
         <EntityStub id="tk_lyC7ncrIU4Gd1sgXE65pTeIxBGAiS2-xN_CZ4pNo">
            <ClassificationCode>C=216^C=02</ClassificationCode>
            <PublicClassificationCode>216.02</PublicClassificationCode>
            <Title>Account Receivable</Title>
            <Type>Class</Type>
            <Permanent>false</Permanent>
            <ChildCount>0</ChildCount>
            <Creator>admin</Creator>
            <Template>Class</Template>
            <Created>2016-10-04T12:08:38.270Z</Created>
            <Accessed>2016-10-04T12:08:38.270Z</Accessed>
            <Modified>2016-10-04T12:08:38.270Z</Modified>
            <Opened>2016-10-04T12:08:38.270Z</Opened>
            <SecurityClass inherited="true"/>
            <Significance inherited="true"/>
            <Status inherited="true">Opened</Status>
            <SubEntityTemplate>Class</SubEntityTemplate>
            <SubEntityTemplate>Case</SubEntityTemplate>
            <SubEntityTemplate>Document</SubEntityTemplate>
            <SubEntityTemplate>Email</SubEntityTemplate>
            <SubEntityTemplate>Email-Marko</SubEntityTemplate>
            <SubEntityTemplate>New document</SubEntityTemplate>
            <SubEntityTemplate>Custom Folder</SubEntityTemplate>
            <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
            <ParentId type="Internal">tfUt2U8WnXzgjcsvX9-dwIYsePfDc1EKiwk_rrOYOP4</ParentId>
            <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
            <Property xsi:type="DateProperty" name="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" nonEmpty="false" pickList="false" public="true"
readOnly="false" required="false" searchable="true" unique="false"/>
               <Description>Non mandatory validation date</Description>
               <Type>Date</Type>
            </Property>
            <Property xsi:type="DateTimeProperty" name="Verification date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" nonEmpty="false" pickList="false" public="true"
readOnly="false" required="false" searchable="true" unique="false"/>
               <Description>Non mandatory date of verification</Description>
               <Type>DateTime</Type>
            </Property>
         </EntityStub>
      </EntitiesReadResponse>
   </S:Body>
</S:Envelope>
```


5.2.6.2 Entity public information read

Operation reads the entity public information on single entity.

Request

See chapter EntityStubReadRequest

Response

See chapter EntityStubReadResponse

Example

An example of the entity public information read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityStubReadRequest>
        <ser:SessionToken>ca16a512-a8f2-4a19-a6f7-185f26749b6e</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=199</ser:Id>
     </ser:EntityStubReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityStubReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <EntityStub id="kg2daOLReG5p_fqT3afhE-4vFT9lj3g2Ok6WTq6JF4s">
           <ClassificationCode>C=199</ClassificationCode>
           <PublicClassificationCode>199</PublicClassificationCode>
           <Title>Finance</Title>
           <Type>Class</Type>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>admin</Creator>
           <Template>Class</Template>
           <Created>2016-09-19T07:30:25.797Z</Created>
           <Accessed>2016-09-19T07:50:59.387Z</Accessed>
           <Modified>2016-09-19T07:30:25.797Z</Modified>
           <Closed>2016-09-19T07:44:18.050Z</Closed>
           <Opened>2016-09-19T07:44:10.187Z</Opened>
           <SecurityClass inherited="false">Top Secret</SecurityClass>
           <Significance inherited="false">Vital</Significance>
           <Status inherited="false">Closed</Status>
           <Retention>
              <Policy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw">
                 <Name>10 years</Name>
                 <Description>Dispose after 10 years</Description>
                 <ExplicitContext effective="true" scope="Allow">
                    <Filter classes="true" documents="true" folders="true"/>
                 </ExplicitContext>
              </Policy>
              <DispositionHold id="pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4">
                 <Name>Permanent hold</Name>
                 <Description>Entity is on permanent hold</Description>
              </DispositionHold>
           </Retention>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <Property xsi:type="DateProperty" name="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
              <Description>Non mandatory validation date</Description>
              <Type>Date</Type>
```

```
            </Property>
            <Property xsi:type="DateTimeProperty" name="Verification date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
                <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
                <Description>Non mandatory date of verification</Description>
                <Type>DateTime</Type>
            </Property>
        </EntityStub>
    </EntityStubReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.3 Entity open

Operation opens an entity for reading and returns a unique identifier of the open entity, which carry out different operations.

Request

See chapter EntityOpenRequest

Response

See chapter EntityOpenResponse

Example

An example of the entity open.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityOpenRequest>
        <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=108</ser:Id>
     </ser:EntityOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Id type="Handle">b09d360b-2df7-410d-a2d1-4776f1745736</Id>
     </EntityOpenResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.4 Entity edit

Operation opens an entity for reading and writing and returns a unique identifier of the open entity, which carry out different operations (where the value of *entityIdKind* can equal to H).

Example

An example of the entity update.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityEditRequest>
        <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=108</ser:Id>
     </ser:EntityEditRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityEditResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Id type="Handle">168568e1-950e-4553-9619-7accb781238f</Id>
     </EntityEditResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.5 Entity open for creating

Operation creates an entity for reading and editing, and returns a unique identifier of the open entity, which carries out different operations (where the value of entityIdKind can equal H).

The entity is saved on attribute change. See chapter Entity Update.

Request

See chapter EntityOpenCreateRequest

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityOpenCreateRequest>
        <ser:SessionToken>dd238f19-e822-435e-9969-0967f18e8127</ser:SessionToken>
        <ser:ParentId type="Internal">k-QWhTOaNaBMZU0P60p8F1boaktvbxFw</ser:ParentId>
        <ser:Template>Class</ser:Template>
     </ser:EntityOpenCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityOpenCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Id type="Handle">ca0632ce-e310-4d41-8def-a281c52bb28b</Id>
     </EntityOpenCreateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.6 Entity close

The operation closes an open entity. The entity is closed with an obtained session token when opening it for reading or editing. When the entity is closed, the answer is without content and the success of the operation is demonstrated with the status of the answer.

Request

See chapter EntityCloseRequest

Response

See chapter EntityCloseResponse

Example

An example of the entity close.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityCloseRequest>
        <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
        <Id type="Handle">168568e1-950e-4553-9619-7accb781238f</Id>
     </ser:EntityCloseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityCloseResponse xmlns="http://www.imis.eu/storageconnector/services">
  </S:Body>
</S:Envelope>
```

5.2.6.7 Entity read

Operation reads an entity information. In addition to the publicly available data, data on physical archive and e-mail is available, if it exists.

Request

See chapter EntityReadRequest

Response

See chapter EntityReadResponse

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Example

An example of the entity read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityReadRequest>
        <ser:SessionToken>9496c764-fa44-442b-975f-95aebb676c10</ser:SessionToken>
        <ser:Id>vI85jBXAIHVm7kKPXWf0yTa11ER4BH1t</ser:Id>
     </ser:EntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Entity id="vI85jBXAIHVm7kKPXWf0yTa11ER4BH1t">
           <ClassificationCode>C=04</ClassificationCode>
           <PublicClassificationCode>04</PublicClassificationCode>
           <Title>Custom Relationship Management</Title>
           <Type>Class</Type>
           <Description>Customer and Business partner records</Description>
           <Permanent>false</Permanent>
           <ChildCount>3</ChildCount>
           <Creator>admin</Creator>
           <Template>Class</Template>
           <Created>2017-12-04T12:44:09.282Z</Created>
           <Accessed>2018-05-09T08:41:32.357Z</Accessed>
           <Modified>2017-12-04T12:44:09.282Z</Modified>
           <Opened>2017-12-04T12:44:09.282Z</Opened>
           <SecurityClass inherited="true"/>
           <Significance inherited="true"/>
           <Status inherited="true">Opened</Status>
           <Retention>
              <Policy id="7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez">
                 <Name>Permanent</Name>
                 <Description>Permanent retention</Description>
                 <ExplicitContext effective="true" scope="Allow">
                    <Filter classes="true" documents="true" folders="true"/>
                 </ExplicitContext>
              </Policy>
           </Retention>
           <SubEntityTemplate>Class</SubEntityTemplate>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <AIP>true</AIP>
        </Entity>
     </EntityReadResponse>
  </S:Body>
</S:Envelope>
```

Example

An example of the »C=129^F=2016^D=100« entity read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityReadRequest>
        <ser:SessionToken>9496c764-fa44-442b-975f-95aebb676c10</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=07^D=000002</ser:Id>
     </ser:EntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Entity id="vy5Qhasdyry2gGoj0O287LJZxZlnN4U6">
           <ClassificationCode>C=07^D=000002</ClassificationCode>
           <PublicClassificationCode>07/000002</PublicClassificationCode>
           <Title>Assignments</Title>
           <Type>Document</Type>
           <Description>Group assignments</Description>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>anelson</Creator>
           <Owner>jturner</Owner>
           <Template>Custom document</Template>
           <Created>2018-05-08T10:11:24.025Z</Created>
           <Accessed>2018-05-09T08:44:28.147Z</Accessed>
           <Modified>2018-05-09T07:16:23.405Z</Modified>
           <Opened>2018-05-08T10:11:24.025Z</Opened>
           <SecurityClass inherited="false">Top Secret</SecurityClass>
           <Significance inherited="false">Retain</Significance>
           <Status inherited="false">Opened</Status>
           <Retention>
              <Policy id="5CobtV-H1DNFXeph2W3lGEafgazOvtfp">
                 <Name>10 years + National Archives</Name>
                 <Description>Transfer to National Archives for permanent
archival</Description>
                 <InheritedContext effective="true" scope="Allow">
                    <Filter classes="true" documents="true" folders="true"/>
                 </InheritedContext>
              </Policy>
           </Retention>
           <Keyword>assignment</Keyword>
           <Keyword>group</Keyword>
           <Keyword>individual</Keyword>
           <ExternalId>5436</ExternalId>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <ParentId type="Internal">u_YX93QVNldKJMU8wp2dLN9ATAuO67U6</ParentId>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <Property xsi:type="DateProperty" id="Review date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```
              <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
              <Description>Expected review date</Description>
              <Type>Date</Type>
              <Inherited>false</Inherited>
              <Value>2018-05-31Z</Value>
           </Property>
           <Property xsi:type="StringProperty" id="User note"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
              <Description>User can specify some notes</Description>
              <Type>String40</Type>
              <Inherited>false</Inherited>
              <Value>The place for group assignment.</Value>
           </Property>
           <AIP>true</AIP>
           <PhysicalProperties/>
        </Entity>
     </EntityReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.8 Entity create

Operation creates an entity under the archive root or selected entity.

Request

See chapter EntityCreateRequest

Response

See chapter EntityCreateResponse

Example

An example of the entity create on the archive root.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityCreateRequest>
        <ser:SessionToken>20b85a49-0d10-4d7d-a555-d6298d485a6d</ser:SessionToken>
        <ser:EntityCreate>
           <ser:Template>Class</ser:Template>
           <ser:Title>Title</ser:Title>
           <ser:Retention>
              <ser:Policy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw" scope="Allow">
                 <ser:Filter classes="true" documents="false" folders="false"/>
              </ser:Policy>
           </ser:Retention>
        </ser:EntityCreate>
     </ser:EntityCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityCreateResponse xmlns="http://www.imis.si/storageconnector/services">
        <Entity id="JQWU6-mlwKPMp_9UtytVRgaN5iL5MvcZQIYRyWVoh-s">
           <ClassificationCode>C=229</ClassificationCode>
           <PublicClassificationCode>229</PublicClassificationCode>
           <Title>Title</Title>
           <Type>Class</Type>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>admin</Creator>
           <Template>Class</Template>
           <Created>2016-10-10T09:11:36.703Z</Created>
           <Accessed>2016-10-10T09:11:36.703Z</Accessed>
           <Modified>2016-10-10T09:11:36.703Z</Modified>
           <Opened>2016-10-10T09:11:36.703Z</Opened>
           <SecurityClass inherited="true"/>
           <Significance inherited="true"/>
           <Status inherited="true">Opened</Status>
           <Retention>
              <Policy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw">
                 <Name>10 years</Name>
                 <Description>Dispose after 10 years</Description>
                 <ExplicitContext effective="true" scope="Allow">
                    <Filter classes="true" documents="false" folders="false"/>
                 </ExplicitContext>
              </Policy>
           </Retention>
           <SubEntityTemplate>Class</SubEntityTemplate>
           <SubEntityTemplate>Case</SubEntityTemplate>
           <SubEntityTemplate>Document</SubEntityTemplate>
           <SubEntityTemplate>Email</SubEntityTemplate>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <Property xsi:type="DateProperty" name="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
              <Description>Non mandatory validation date</Description>
              <Type>Date</Type>
```

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```
            </Property>
            <Property xsi:type="DateTimeProperty" name="Verification date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory date of verification</Description>
               <Type>DateTime</Type>
            </Property>
         </Entity>
      </EntityCreateResponse>
   </S:Body>
</S:Envelope>
```

5.2.6.9 Entity delete

Operation deletes an entity.

Request

See chapter EntityDeleteRequest

Response

See chapter EntityDeleteResponse

Example

An example of the entity delete.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityDeleteRequest>
        <ser:SessionToken>66f818c2-d4ba-47b0-8000-9ce5e73ea06b</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=216^C=39</ser:Id>
        <ser:Reason>Class with folders and documents won't be needed any more</ser:Reason>
        <ser:Description>Opis</ser:Description>
     </ser:EntityDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityDeleteResponse xmlns="http://www.imis.si/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.6.10 Entity update

Operation updates an entity attributes.

Request

See chapter EntityUpdateRequest

Response

See chapter EntityUpdateResponse

Example

An example of the entity update.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityUpdateRequest>
        <ser:SessionToken>3189d6be-96c8-4d01-b84b-7b95fbbd3f37</ser:SessionToken>
        <ser:Id
type="Internal">250594ebe9a5c0a3cca7ff54b72b5546068de622f932f719408611c9656887eb</ser:Id>
        <ser:EntityUpdate>
           <ser:Title>Finance reports</ser:Title>
           <ser:Description>Monthly finance reports</ser:Description>
           <ser:Owner>keiraclay</ser:Owner>
           <ser:Keyword>finance</ser:Keyword>
        </ser:EntityUpdate>
     </ser:EntityUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityUpdateResponse xmlns="http://www.imis.si/storageconnector/services">
        <Entity id="JQWU6-mlwKPMp_9UtytVRgaN5iL5MvcZQIYRyWVoh-s">
           <ClassificationCode>C=216^C=40</ClassificationCode>
           <PublicClassificationCode>216.40</PublicClassificationCode>
           <Title>Finance reports</Title>
           <Type>Class</Type>
           <Description>Monthly finance reports</Description>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>alexnelson</Creator>
           <Owner>keiraclay</Owner>
           <Template>Class</Template>
           <Created>2016-10-10T11:11:36.703+02:00</Created>
           <Accessed>2016-10-14T11:11:57.149+02:00</Accessed>
           <Modified>2016-10-14T11:11:57.342+02:00</Modified>
```

```
            <Opened>2016-10-10T12:23:04.233+02:00</Opened>
            <SecurityClass inherited="false">Secret</SecurityClass>
            <Significance inherited="false"/>
            <Status inherited="false">Opened</Status>
            <Retention>
               <Policy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw">
                  <Name>10 years</Name>
                  <Description>Dispose after 10 years</Description>
                  <ExplicitContext effective="true" scope="Allow">
                     <Filter classes="true" documents="false" folders="false"/>
                  </ExplicitContext>
                  <InheritedContext effective="true" scope="Allow">
                     <Filter classes="true" documents="true" folders="true"/>
                  </InheritedContext>
               </Policy>
               <DispositionHold id="pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4">
                  <Name>Permanent hold</Name>
                  <Description>Finance reports are on permanent hold</Description>
               </DispositionHold>
            </Retention>
            <SubEntityTemplate>Class</SubEntityTemplate>
            <SubEntityTemplate>Case</SubEntityTemplate>
            <SubEntityTemplate>Document</SubEntityTemplate>
            <SubEntityTemplate>Email</SubEntityTemplate>
            <Keyword>reports</Keyword>
            <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
            <ParentId type="Internal">tfUt2U8WnXzgjcsvX9-dwIYsePfDc1EKiwk_rrOYOP4</ParentId>
            7<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
            <Property xsi:type="DateProperty" id="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory validation date</Description>
               <Type>Date</Type>
            </Property>
            <Property xsi:type="DateTimeProperty" id="Verification date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory date of verification</Description>
               <Type>DateTime</Type>
            </Property>
         </Entity>
      </EntityUpdateResponse>
   </S:Body>
</S:Envelope>
```


5.2.6.11 Entity status update

Operation updates an entity status.

Request

See chapter EntityStatusUpdateRequest

Response

See chapter EntityStatusUpdateResponse

Example

An example of the entity status update to »Closed«.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityStatusUpdateRequest>
        <ser:SessionToken>3e5751cd-b68c-43cd-9496-5713a46964f4</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=216^C=40</ser:Id>
        <ser:Status>Closed</ser:Status>
     </ser:EntityStatusUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityStatusUpdateResponse xmlns="http://www.imis.si/storageconnector/services">
        <Status inherited="false">Closed</Status>
     </EntityStatusUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.12 Entity security class update

Operation updates an entity security class.

Request

See chapter EntitySecurityClassUpdateRequest

Response

See chapter EntitySecurityClassUpdateResponse

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Example

An example of the entity security class update.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntitySecurityClassUpdateRequest>
        <ser:SessionToken>39adbc4b-ac3d-43e2-b88d-e0a848593310</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=216^C=40</ser:Id>
        <ser:SecurityClass>Confidential</ser:SecurityClass>
        <ser:Reason>Test</ser:Reason>
     </ser:EntitySecurityClassUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntitySecurityClassUpdateResponse xmlns="http://www.imis.si/storageconnector/services">
        <SecurityClass inherited="false">Confidential</SecurityClass>
     </EntitySecurityClassUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.13 Entity retention policy create

Operation creates an entity retention policy.

Request

See chapter EntityRetentionPolicyEntriesCreateRequest

Response

See chapter EntityRetentionPolicyEntriesCreateResponse

Example

An example of the entity retention policy create.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityRetentionPolicyCreateRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=191</ser:Id>
        <ser:RetentionPolicy scope="Allow" id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE">
           <ser:Filter classes="true" documents="true" folders="true"/>
        </ser:RetentionPolicy>
     </ser:EntityRetentionPolicyCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityRetentionPolicyCreateResponse
xmlns="http://www.imis.si/storageconnector/services">
        <RetentionPolicy id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE">
           <Name>10 years</Name>
           <Description>Dispose after 10 years</Description>
           <ExplicitContext effective="false" scope="Allow">
              <Filter classes="true" documents="true" folders="true"/>
           </ExplicitContext>
        </RetentionPolicy>
     </EntityRetentionPolicyCreateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.14 Entity retention policy update

Operation updates an entity retention policy.

Request

See chapter EntityRetentionPolicyUpdateRequest

Response

See chapter EntityRetentionPolicyUpdateResponse

Example

An example of the entity retention policy update.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityRetentionPolicyUpdateRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=191</ser:Id>
        <ser:RetentionPolicy scope="Allow" id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE">
           <ser:Filter classes="true" documents="true" folders="false"/>
        </ser:RetentionPolicy>
     </ser:EntityRetentionPolicyUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityRetentionPolicyUpdateResponse
xmlns="http://www.imis.si/storageconnector/services">
        <RetentionPolicy id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE">
           <Name>10 years</Name>
           <Description>Dispose after 10 years</Description>
           <ExplicitContext effective="true" scope="Allow">
              <Filter classes="true" documents="true" folders="false"/>
           </ExplicitContext>
        </RetentionPolicy>
     </EntityRetentionPolicyUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.15 Entity retention policy update

Operation executes an entity retention policies change.

Request

See chapter EntityRetentionPolicyEntriesUpdateRequest

Response

See chapter EntityRetentionPolicyEntriesUpdateResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityRetentionPolicyEntriesUpdateRequest>
        <ser:SessionToken>374e5ab5-3f18-48ab-8643-f010f0dcbdd1</ser:SessionToken>
        <ser:Id>tIw_CODIQQTSR6to1-y6vbojo6ZFT9bS</ser:Id>
        <ser:RetentionPolicy scope="Allow" id="1avMancW_MtTbRwpr3p456GYLmDY8SCF">
           <ser:Filter classes="false" documents="true" folders="false"/>
        </ser:RetentionPolicy>
        <ser:RetentionPolicy scope="Allow" id="q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk">
           <ser:Filter classes="false" documents="true" folders="false"/>
        </ser:RetentionPolicy>
     </ser:EntityRetentionPolicyEntriesUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityRetentionPolicyEntriesUpdateResponse
xmlns="http://www.imis.eu/storageconnector/services">
        <RetentionPolicy id="1avMancW_MtTbRwpr3p456GYLmDY8SCF">
           <Name>5 years</Name>
           <Description>Action after 5 years retention</Description>
           <ExplicitContext effective="true" scope="Allow">
              <Filter classes="false" documents="true" folders="false"/>
           </ExplicitContext>
        </RetentionPolicy>
        <RetentionPolicy id="q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk">
           <Name>3 years</Name>
           <Description>Action after 3 years retention</Description>
           <ExplicitContext effective="true" scope="Allow">
              <Filter classes="false" documents="true" folders="false"/>
           </ExplicitContext>
        </RetentionPolicy>
     </EntityRetentionPolicyEntriesUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.16 Entity retention policy delete

Operation deletes an entity retention policy.

Request

See chapter EntityRetentionPolicyEntryDeleteRequest

Response

See chapter EntityRetentionPolicyEntryDeleteResponse

Example

An example of the entity retention policy delete.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityRetentionPolicyDeleteRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=191</ser:Id>
        <ser:RetentionPolicyId>Pqc5zK58VmPaRlQ-
pIaVhOV15shGuLwvS4OvEkzd3JE</ser:RetentionPolicyId>
     </ser:EntityRetentionPolicyDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityRetentionPolicyDeleteResponse
xmlns="http://www.imis.si/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.6.17 Entity disposition hold create

Operation creates an entity disposition hold.

Request

See chapter EntityRetentionDispositionHoldEntriesCreateRequest

Response

See chapter EntityRetentionDispositionHoldEntriesCreateResponse

Example

An example of the entity disposition hold create.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityRetentionDispositionHoldEntriesCreateRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=191</ser:Id>
        <ser:DispositionHold id="pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4"/>
     </ser:EntityRetentionDispositionHoldCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityRetentionDispositionHoldEntriesCreateResponse
xmlns="http://www.imis.si/storageconnector/services">
        <DispositionHold id="pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4">
           <Name>Permanent hold</Name>
           <Description>Entity is on permanent hold</Description>
        </DispositionHold>
     </EntityRetentionDispositionHoldCreateResponse>
  </S:Body>
</S:Envelope>
```

5.2.6.18 Entity disposition hold delete

Operation deletes an entity disposition hold.

Request

See chapter EntityRetentionDispositionHoldEntryDeleteRequest

Response

See chapter EntityRetentionDipositionHoldEntryDeleteResponse

Example

An example of the entity disposition hold delete.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityRetentionDispositionHoldDeleteRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=191</ser:Id>

  <ser:DispositionHoldId>pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4</ser:DispositionHoldId>
     </ser:EntityRetentionDispositionHoldDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityRetentionDispositionHoldDeleteResponse
xmlns="http://www.imis.si/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.6.19 Entity move

Operation moves an entity under the archive root or selected entity.

Request

See chapter EntityMoveRequest

Response

See chapter EntityMoveResponse

Example

An example of the entity move.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityMoveRequest>
        <ser:SessionToken>20b85a49-0d10-4d7d-a555-d6298d485a6d</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=229</ser:Id>
        <ser:ParentId type="ClassificationCode">C=216</ser:ParentId>
        <ser:Reason>Test</ser:Reason>
     </ser:EntityMoveRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityMoveResponse xmlns="http://www.imis.si/storageconnector/services">
        <EntityStub id="JQWU6-mlwKPMp_9UtytVRgaN5iL5MvcZQIYRyWVoh-s">
           <Description>Monthly finance reports</Description>
           <ClassificationCode>C=216^C=40</ClassificationCode>
           <PublicClassificationCode>216.40</PublicClassificationCode>
           <Title>Finance reports</Title>
           <Type>Class</Type>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>alexnelson</Creator>
           <Owner>keiraclay</Owner>
           <Template>Class</Template>
           <Created>2016-10-10T09:11:36.703Z</Created>
           <Accessed>2016-10-10T09:45:20.673Z</Accessed>
           <Modified>2016-10-10T09:39:49.907Z</Modified>
           <Opened>2016-10-10T09:11:36.703Z</Opened>
           <SecurityClass inherited="true"/>
           <Significance inherited="true"/>
           <Status inherited="true">Opened</Status>
           <Retention>
              <Policy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw">
                 <Name>10 years</Name>
                 <Description>Dispose after 10 years</Description>
                 <ExplicitContext effective="true" scope="Allow">
                    <Filter classes="true" documents="false" folders="false"/>
                 </ExplicitContext>
                 <InheritedContext effective="true" scope="Allow">
                    <Filter classes="true" documents="true" folders="true"/>
                 </InheritedContext>
              </Policy>
              <DispositionHold id="pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4">
                 <Name>Permanent hold</Name>
                 <Description>Finance reports are on permanent hold</Description>
              </DispositionHold>
           </Retention>
           <SubEntityTemplate>Class</SubEntityTemplate>
           <SubEntityTemplate>Case</SubEntityTemplate>
           <SubEntityTemplate>Document</SubEntityTemplate>
           <SubEntityTemplate>Email</SubEntityTemplate>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <ParentId type="Internal">tfUt2U8WnXzgjcsvX9-dwIYsePfDc1EKiwk_rrOYOP4</ParentId>
```

```
            <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
            <Property xsi:type="DateProperty" name="Validation date "
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory validation date</Description>
               <Type>Date</Type>
            </Property>
            <Property xsi:type="DateTimeProperty" name="Verification date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory date of verification</Description>
               <Type>DateTime</Type>
            </Property>
         </EntityStub>
      </EntityMoveResponse>
   </S:Body>
</S:Envelope>
```

5.2.6.20 Entity save log read

Operation provides an entity save log.

Request

See chapter EntitySaveLogReadRequest

Response

See chapter EntitySaveLogReadResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntitySaveLogReadRequest>
        <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMHtOrEsumXFVtwf</ser:SessionToken>
        <ser:Id>jj1qxXgq1DTZp4SB3YKkLI00Sg2pJCgj</ser:Id>
     </ser:EntitySaveLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntitySaveLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <SaveLog>&lt;?xml version="1.0"?>
&lt;iarc:commitlog xmlns:iarc="http://www.imis.si/imisarc/commitlog.xsd" start="2018-11-
28T11:56:42.912Z" end="2018-11-28T11:56:42.959Z">&lt;iarc:dsigverify>Digital signature
verification started: 2018-11-28T11:56:42.912Z
========================================
Verifying signed.pdf [1970f68260423de6b1ba061658eadeaef1a072e05f72832b70e09849ba7fdc51]:
Signature status: VALID
Certificate (subject: '/C=si/O=state-institutions/OU=sigen-ca/OU=companies-web/OU=VUKMAN IN
VUKMAN - 74262548/CN=ALES VUKMAN/serialNumber=2465754016019', serial: '3b410f1e')
verification: certificate has expired
Error occurred while checking certificate chain (Certificate verification failed. Reason:
'certificate has expired'.)
========================================
Digital signature verification ended: 2018-11-
28T11:56:42.959Z&lt;/iarc:dsigverify>&lt;/iarc:commitlog></SaveLog>
     </EntitySaveLogReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.7 Access right

5.2.7.1 Entity access right read

Operation reads a directory entity access right on the entity.

Request

See chapter EntityACLReadRequest

Response

See chapter EntityACLReadResponse

Example

An example of the entity and entity property access right read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityACLReadRequest>
        <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMHtOrEsumXFVtwf</ser:SessionToken>
        <ser:Id>gCL_1dZO4p07LFHQmzPejP8XSGEu2rmz</ser:Id>
     </ser:EntityACLReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWNpcndpbg" type="Directory">
        <Subject>cirwin</Subject>
        <DirectoryEntity id="cirwin">
          <FirstName>Caroline</FirstName>
          <LastName>Irwin</LastName>
          <Email>caroline.irwin@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="false"
deleteAccess="false" changeRights="true" createReferences="false" createSubEntities="true"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="false"
deleteAccess="false" changeRights="true" createReferences="false" createSubEntities="true"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAWtjbGF5" type="Directory">
        <Subject>kclay</Subject>
        <DirectoryEntity id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAXN5czpBZG1pbmlzdHJhdG9ycw" type="Directory">
        <Subject>sys:Administrators</Subject>
        <DirectoryEntity id="sys:Administrators">
          <FirstName/>
          <LastName>System Administrators</LastName>
          <Email/>
          <Type>Group</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAnN5czpDcmVhdG9y" type="Attribute">
        <Subject>sys:Creator</Subject>
        <EffectiveRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createReferences="true" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <InheritedAllowRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createReferences="true" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAnN5czpPd25lcg" type="Attribute">
        <Subject>sys:Owner</Subject>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="false"
changeSecurityClass="false" changeStatus="true" changeRetention="true"/>
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="false"
changeSecurityClass="false" changeStatus="true" changeRetention="true"/>
      </EntityACLEntry>
    </EntityACLReadResponse>
```

```
  </S:Body>
</S:Envelope>
```

5.2.7.2 Entity access right create

Operation creates an entity and entity properties access right.

Request

See chapter EntityACLEntriesCreateRequest

Response

See chapter EntityACLEntriesCreateResponse

Example

An example of the entity access right create.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntriesCreateRequest>
      <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMHtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZO4p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:EntityACLEntry subject="jsmith" type="Directory">
        <ser:ExplicitAllowRights readAccess="true" writeAccess="true"/>
        <ser:ExplicitDenyRights deleteAccess="true"/>
      </ser:EntityACLEntry>
    </ser:EntityACLEntriesCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLEntriesCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWpzbWl0aA" type="Directory">
        <Subject>jsmith</Subject>
        <DirectoryEntity id="jsmith">
          <FirstName>John</FirstName>
          <LastName>Smith</LastName>
          <Email>john.smith@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="false"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
      </EntityACLEntry>
    </EntityACLEntriesCreateResponse>
  </S:Body>
</S:Envelope>
```

5.2.7.3 Entity or entity property access right update

Operation updates an entity or entity property explicit access right.

Request

See chapter EntityACLEntryUpdateRequest

Response

See chapter EntityACLEntryUpdateResponse

Example

An example of the entity access right update.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntryUpdateRequest>
      <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMHtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZO4p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:ACLEntryUpdate>
        <ser:EntityACLEntry id="AAAAAWpzbWl0aA">
          <ser:ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"/>
          <ser:ExplicitDenyRights deleteAccess="true"/>
        </ser:EntityACLEntry>
      </ser:ACLEntryUpdate>
    </ser:EntityACLEntryUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLEntryUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWpzbWl0aA" type="Directory">
        <Subject>jsmith</Subject>
        <DirectoryEntity id="jsmith">
          <FirstName>John</FirstName>
          <LastName>Smith</LastName>
          <Email>john.smith@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
      </EntityACLEntry>
    </EntityACLEntryUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.7.4 Entity or entity property access right delete

Operation deletes an entity or entity property access right.

Request

See chapter EntityACLDeleteEntryRequest

Response

See chapter EntityACLDeleteEntryResponse

Example

An example of the entity or entity property access right delete.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLDeleteEntryRequest>
      <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMHtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZO4p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:EntryId>AAAAAWpzbWl0aA</ser:EntryId>
    </ser:EntityACLDeleteEntryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLDeleteEntryResponse xmlns="http://www.imis.eu/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

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5.2.8 Template

5.2.8.1 Templates or template read

Operation reads templates or template.

Request

See chapter TemplatesReadRequest

Response

See chapter TemplatesReadResponse

Example

An example of the templates or template read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:TemplatesReadRequest>
      <ser:SessionToken>4XOS6OpaitBf0ThCh77UMWKruGa0SSCdEFRehtn7</ser:SessionToken>
    </ser:TemplatesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <TemplatesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Template id="Case">
        <Label>Folder</Label>
        <EntityType>Folder</EntityType>
        <Description>Folder/Case entity</Description>
        <EntityCount>18</EntityCount>
        <PhysicalProperties>true</PhysicalProperties>
        <EmailProperties>false</EmailProperties>
        <Versionable>false</Versionable>
        <StatusValues>Opened</StatusValues>
        <StatusValues>Closed</StatusValues>
        <SecurityClassValues>Unspecified</SecurityClassValues>
        <SecurityClassValues>Top Secret</SecurityClassValues>
        <SecurityClassValues>Secret</SecurityClassValues>
        <SecurityClassValues>Confidential</SecurityClassValues>
        <SecurityClassValues>Restricted</SecurityClassValues>
        <SecurityClassValues>Unclassified</SecurityClassValues>
        <SignificanceValues>Vital</SignificanceValues>
        <SignificanceValues>Permanent</SignificanceValues>
        <SignificanceValues>Retain</SignificanceValues>
        <SignificanceValues>Delete</SignificanceValues>
```

```
        <PhysicalPropertyStatusValues>CheckedIn</PhysicalPropertyStatusValues>
        <PhysicalPropertyStatusValues>CheckedOut</PhysicalPropertyStatusValues>
        <SystemProperties>
          <Title xsi:type="StringProperty" id="sys:Title"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity title</Description>
            <Type>String200</Type>
          </Title>
          <Description xsi:type="StringProperty" id="sys:Description"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="false"
unique="false" versionable="false"/>
            <Description>Entity brief description</Description>
            <Type>String200</Type>
          </Description>
          <Keywords xsi:type="StringProperty" id="sys:Keywords"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity keywords</Description>
            <Type>String30</Type>
          </Keywords>
          <Status xsi:type="UInt32Property" id="sys:Status"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity status</Description>
            <Type>UInt32</Type>
            <Value key="Opened">1</Value>
            <Value key="Closed">2</Value>
          </Status>
          <SecurityClass xsi:type="UInt32Property" id="sys:SecurityClass"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity Security Class</Description>
            <Type>UInt32</Type>
            <Value key="Unspecified">0</Value>
            <Value key="Top Secret">3342336</Value>
            <Value key="Secret">6684672</Value>
            <Value key="Confidential">10027008</Value>
            <Value key="Restricted">13369344</Value>
            <Value key="Unclassified">16711680</Value>
          </SecurityClass>
          <Owner xsi:type="DirectoryEntityProperty" id="sys:Owner"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity custodian</Description>
            <Type>DirectoryEntity</Type>
          </Owner>
          <ExternalIds xsi:type="StringProperty" id="sys:ExternalIds"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="true" versionable="false"/>
```

```
            <Description>Entity unique external ids</Description>
            <Type>String100</Type>
          </ExternalIds>
          <Opened xsi:type="DateTimeProperty" id="sys:Opened"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Date and time when entity's status was set to 'Opened'</Description>
            <Type>DateTime</Type>
          </Opened>
          <Closed xsi:type="DateTimeProperty" id="sys:Closed"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Date and time when entity's status was set to 'Closed'</Description>
            <Type>DateTime</Type>
          </Closed>
          <Creator xsi:type="DirectoryEntityProperty" id="sys:Creator"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity creator</Description>
            <Type>DirectoryEntity</Type>
          </Creator>
          <Significance xsi:type="UInt32Property" id="sys:Significance"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity significance state</Description>
            <Type>UInt32</Type>
            <Value key="Vital">1</Value>
            <Value key="Permanent">2</Value>
            <Value key="Retain">3</Value>
            <Value key="Delete">4</Value>
          </Significance>
          <ModifiedBy xsi:type="DirectoryEntityProperty" id="sys:ModifiedBy"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="true"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity's last modifier</Description>
            <Type>DirectoryEntity</Type>
          </ModifiedBy>
          <PhysicalProperties>
            <Id xsi:type="StringProperty" id="sys:prm:Identifier"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Physical entity unique identifier; non-empty value indicates the
presence of physical form.</Description>
              <Type>String100</Type>
            </Id>
            <Description xsi:type="StringProperty" id="sys:prm:Description"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
```

```
              <Description>Physical entity container description [format, page size
(especially for technical drawings), kind of container (e.g. archive box, folder), carrier
description (microfiche, DAT tape)]</Description>
              <Type>String200</Type>
            </Description>
            <Status xsi:type="UInt32Property" id="sys:prm:Status"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Physical entity status: 'CheckedIn', 'CheckedOut'</Description>
              <Type>UInt32</Type>
              <Value key="CheckedIn">1</Value>
              <Value key="CheckedOut">2</Value>
            </Status>
            <StatusChange xsi:type="DateTimeProperty" id="sys:prm:StatusChange"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Last date and time when 'prm:Status' changed its
value</Description>
              <Type>DateTime</Type>
            </StatusChange>
            <HomeLocation xsi:type="StringProperty" id="sys:prm:HomeLocation"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Home location of physical entity</Description>
              <Type>String100</Type>
            </HomeLocation>
            <CurrentLocation xsi:type="StringProperty" id="sys:prm:CurrentLocation"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Current location of physical entity</Description>
              <Type>String100</Type>
            </CurrentLocation>
            <Custodian xsi:type="StringProperty" id="sys:prm:Custodian"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Current physical entity custodian; internal personnel if status is
'CheckedIn' [normally Owner] or external if status is 'CheckedOut'</Description>
              <Type>String100</Type>
            </Custodian>
            <ReturnDue xsi:type="DateProperty" id="sys:prm:ReturnDue"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>The date when 'CheckedOut' physical entity is due to be
'CheckedIn'</Description>
              <Type>Date</Type>
            </ReturnDue>
          </PhysicalProperties>
        </SystemProperties>
        <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <Options appendOnly="false" includedInAIP="true" inherited="true" multiValue="false"
nonEmpty="false" pickList="false" public="true" readOnly="false" readOnlyAfterCheckIn="false"
```

```
readOnlyAfterCreate="false" required="false" searchable="true" unique="false"
versionable="false"/>
          <Description>Action activated after date/time</Description>
          <Type>DateTime</Type>
        </Property>
      </Template>
      <Template id="Document">
        <Label>Document</Label>
        <EntityType>Document</EntityType>
        <Description>Standalone document entity</Description>
        <EntityCount>23</EntityCount>
        <PhysicalProperties>true</PhysicalProperties>
        <EmailProperties>false</EmailProperties>
        <Versionable>true</Versionable>
        <StatusValues>Opened</StatusValues>
        <StatusValues>Closed</StatusValues>
        <SecurityClassValues>Unspecified</SecurityClassValues>
        <SecurityClassValues>Top Secret</SecurityClassValues>
        <SecurityClassValues>Secret</SecurityClassValues>
        <SecurityClassValues>Confidential</SecurityClassValues>
        <SecurityClassValues>Restricted</SecurityClassValues>
        <SecurityClassValues>Unclassified</SecurityClassValues>
        <SignificanceValues>Vital</SignificanceValues>
        <SignificanceValues>Permanent</SignificanceValues>
        <SignificanceValues>Retain</SignificanceValues>
        <SignificanceValues>Delete</SignificanceValues>
        <PhysicalPropertyStatusValues>CheckedIn</PhysicalPropertyStatusValues>
        <PhysicalPropertyStatusValues>CheckedOut</PhysicalPropertyStatusValues>
        <SystemProperties>
          <Title xsi:type="StringProperty" id="sys:Title"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity title</Description>
            <Type>String200</Type>
          </Title>
          <Description xsi:type="StringProperty" id="sys:Description"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="false"
unique="false" versionable="false"/>
            <Description>Entity brief description</Description>
            <Type>String200</Type>
          </Description>
          <Keywords xsi:type="StringProperty" id="sys:Keywords"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity keywords</Description>
            <Type>String30</Type>
          </Keywords>
          <Status xsi:type="UInt32Property" id="sys:Status"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity status</Description>
            <Type>UInt32</Type>
            <Value key="Opened">1</Value>
            <Value key="Closed">2</Value>
          </Status>
          <SecurityClass xsi:type="UInt32Property" id="sys:SecurityClass"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="true" readOnly="false"
```

```
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity Security Class</Description>
            <Type>UInt32</Type>
            <Value key="Unspecified">0</Value>
            <Value key="Top Secret">3342336</Value>
            <Value key="Secret">6684672</Value>
            <Value key="Confidential">10027008</Value>
            <Value key="Restricted">13369344</Value>
            <Value key="Unclassified">16711680</Value>
          </SecurityClass>
          <Owner xsi:type="DirectoryEntityProperty" id="sys:Owner"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity custodian</Description>
            <Type>DirectoryEntity</Type>
          </Owner>
          <ExternalIds xsi:type="StringProperty" id="sys:ExternalIds"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="true" versionable="false"/>
            <Description>Entity unique external ids</Description>
            <Type>String100</Type>
          </ExternalIds>
          <Opened xsi:type="DateTimeProperty" id="sys:Opened"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Date and time when entity's status was set to 'Opened'</Description>
            <Type>DateTime</Type>
          </Opened>
          <Closed xsi:type="DateTimeProperty" id="sys:Closed"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Date and time when entity's status was set to 'Closed'</Description>
            <Type>DateTime</Type>
          </Closed>
          <Creator xsi:type="DirectoryEntityProperty" id="sys:Creator"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity creator</Description>
            <Type>DirectoryEntity</Type>
          </Creator>
          <Significance xsi:type="UInt32Property" id="sys:Significance"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity significance state</Description>
            <Type>UInt32</Type>
            <Value key="Vital">1</Value>
            <Value key="Permanent">2</Value>
            <Value key="Retain">3</Value>
            <Value key="Delete">4</Value>
          </Significance>
          <ModifiedBy xsi:type="DirectoryEntityProperty" id="sys:ModifiedBy"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="true"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="true"/>
            <Description>Entity's last modifier</Description>
            <Type>DirectoryEntity</Type>
          </ModifiedBy>
          <PhysicalProperties>
            <Id xsi:type="StringProperty" id="sys:prm:Identifier"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Physical entity unique identifier; non-empty value indicates the
presence of physical form.</Description>
              <Type>String100</Type>
            </Id>
            <Description xsi:type="StringProperty" id="sys:prm:Description"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Physical entity container description [format, page size
(especially for technical drawings), kind of container (e.g. archive box, folder), carrier
description (microfiche, DAT tape)]</Description>
              <Type>String200</Type>
            </Description>
            <Status xsi:type="UInt32Property" id="sys:prm:Status"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="true" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Physical entity status: 'CheckedIn', 'CheckedOut'</Description>
              <Type>UInt32</Type>
              <Value key="CheckedIn">1</Value>
              <Value key="CheckedOut">2</Value>
            </Status>
            <StatusChange xsi:type="DateTimeProperty" id="sys:prm:StatusChange"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="true" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Last date and time when 'prm:Status' changed its
value</Description>
              <Type>DateTime</Type>
            </StatusChange>
            <HomeLocation xsi:type="StringProperty" id="sys:prm:HomeLocation"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Home location of physical entity</Description>
              <Type>String100</Type>
            </HomeLocation>
            <CurrentLocation xsi:type="StringProperty" id="sys:prm:CurrentLocation"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Current location of physical entity</Description>
              <Type>String100</Type>
            </CurrentLocation>
            <Custodian xsi:type="StringProperty" id="sys:prm:Custodian"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>Current physical entity custodian; internal personnel if status is
'CheckedIn' [normally Owner] or external if status is 'CheckedOut'</Description>
              <Type>String100</Type>
            </Custodian>
            <ReturnDue xsi:type="DateProperty" id="sys:prm:ReturnDue"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
              <Description>The date when 'CheckedOut' physical entity is due to be
'CheckedIn'</Description>
              <Type>Date</Type>
            </ReturnDue>
          </PhysicalProperties>
        </SystemProperties>
        <Property xsi:type="StringProperty" id="HoursSpent"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="true"/>
          <Description>Number of hours spent working on project so far</Description>
          <Type>String40</Type>
        </Property>
        <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
          <Options appendOnly="false" includedInAIP="true" inherited="true" multiValue="false"
nonEmpty="false" pickList="false" public="true" readOnly="false" readOnlyAfterCheckIn="false"
readOnlyAfterCreate="false" required="false" searchable="true" unique="false"
versionable="false"/>
          <Description>Action activated after date/time</Description>
          <Type>DateTime</Type>
        </Property>
      </Template>
    </TemplatesReadResponse>
  </S:Body>
</S:Envelope>
```


5.2.9 Directory

5.2.9.1 Directory entities or directory entity read

Operation reads directory entities or directory entity.

Request

See chapter DirectoryEntitiesReadRequest

Response

See chapter DirectoryEntitiesReadResponse

Example

An example of the directory entities or directory entity read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntitiesReadRequest>
      <ser:SessionToken>4XOS6OpaitBf0ThCh77UMWKruGa0SSCdEFRehtn7</ser:SessionToken>
    </ser:DirectoryEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DirectoryEntity id="IMiS Users">
        <FirstName/>
        <LastName/>
        <Description/>
        <Email/>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
      </DirectoryEntity>
      <DirectoryEntity id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Description>Archive administrator</Description>
        <Email>admin@acme.com</Email>
        <SecurityClassLevel>1</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
      </DirectoryEntity>
      <DirectoryEntity id="anelson">
        <FirstName>Alex</FirstName>
        <LastName>Nelson</LastName>
        <Description>Sales - Controlling</Description>
        <Email>alex.nelson@acme.com</Email>
        <SecurityClassLevel>Restricted</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
      </DirectoryEntity>
    </DirectoryEntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

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5.2.9.2 Directory entity members read

Operation reads members of the selected directory entity group.

Request

See chapter DirectoryEntityMembersReadRequest

Example

An example of the members of the selected directory entity group read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntityMembersReadRequest>
      <ser:SessionToken>qc9gOOCehwOki5sjWXTmn5MZAw17XSWvzVC8CWoP</ser:SessionToken>
      <ser:Id>users</ser:Id>
    </ser:DirectoryEntityMembersReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntityMembersReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DirectoryEntity id="it">
        <FirstName/>
        <LastName>IT</LastName>
        <Description/>
        <Email>it@acme.com</Email>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
      </DirectoryEntity>
      <DirectoryEntity id="maintenance">
        <FirstName/>
        <LastName>Maintenance</LastName>
        <Description/>
        <Email>maint@acme.com</Email>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
      </DirectoryEntity>
      <DirectoryEntity id="sales">
        <FirstName/>
        <LastName>Sales</LastName>
        <Description/>
        <Email>sales@acme.com</Email>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
```

```
      </DirectoryEntity>
    </DirectoryEntityMembersReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.9.3 Current user read

Operation obtains a directory entity of current user.

Request

See chapter AccountReadRequest

Response

See chapter AccountReadResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:AccountReadRequest>
        <ser:SessionToken>d1409063-8631-41c6-87bc-30fb57f94d48</ser:SessionToken>
     </ser:AccountReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <AccountReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <DirectoryEntity id="admin">
           <FirstName/>
           <LastName>Administrator</LastName>
           <Description>Archive administrator</Description>
           <Email>admin@acme.com</Email>
           <Type>User</Type>
           <Deleted>false</Deleted>
           <Enabled>true</Enabled>
        </DirectoryEntity>
     </AccountReadResponse>
  </S:Body>
</S:Envelope>
```

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5.2.9.4 Password update

Operation changes a password of current user.

Request

See chapter AccountChangePasswordRequest

Response

See chapter AccountChangePasswordResponse

Primer

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:AccountChangePasswordRequest>
        <ser:SessionToken>6525ca34-d25f-47bf-bb81-46e4c5aa2ef4</ser:SessionToken>
        <ser:OldPassword>geslo</ser:OldPassword>
        <ser:NewPassword>geslo1</ser:NewPassword>
     </ser:AccountChangePasswordRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <AccountChangePasswordResponse xmlns="http://www.imis.eu/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.10 Retention

5.2.10.1 Entity retention policies or policy read

Operation reads an entity retention policies.

Request

See chapter RetentionPoliciesReadRequest

Response

See chapter RetentionPoliciesReadResponse

Example

An example of the entity retention policies read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:RetentionPoliciesReadRequest>
        <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</ser:SessionToken>
     </ser:RetentionPoliciesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <RetentionPoliciesReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <RetentionPolicy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO6O1b0lC_r4Ipw">
           <Name>10 years</Name>
           <Accessed>2016-07-25T07:44:33.016Z</Accessed>
           <Created>2015-09-25T08:30:41.052Z</Created>
           <Modified>2016-07-25T07:44:33.018Z</Modified>
           <Action>Dispose</Action>
           <Description>Dispose after 10 years</Description>
           <DetailedDescription>opis</DetailedDescription>
           <Reason>Dispose entities after 10 years</Reason>
           <Trigger>[EntityClosed] +10Y &lt; @NOW@</Trigger>
        </RetentionPolicy>
        <RetentionPolicy id="C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk">
           <Name>Permanent</Name>
           <Accessed>2016-08-22T08:39:33.606Z</Accessed>
           <Created>2015-09-24T13:50:09.346Z</Created>
           <Modified>2016-08-22T08:39:33.616Z</Modified>
           <Action>Permanent</Action>
           <Description>Permanent retention</Description>
           <DetailedDescription/>
           <Reason>Policy reason</Reason>
           <Trigger/>
        </RetentionPolicy>
     </RetentionPoliciesReadResponse>
  </S:Body>
</S:Envelope>
```

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5.2.10.2 Entity retention policy objects read

Operation reads an entity retention policy objects.

Request

See chapter RetentionPolicyObjectsReadRequest

Response

See chapter RetentionPolicyObjectsReadResponse

Example

An example of the entity retention policy objects read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:RetentionPolicyObjectsReadRequest>
        <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</ser:SessionToken>
        <ser:Id>VatMcHFEAf6tYBh_w-xWoYsr2gfhjCiQXlOZF-W8BpE</ser:Id>
     </ser:RetentionPolicyObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <RetentionPolicyObjectsReadResponse xmlns="http://www.imis.si/storageconnector/services">
        <Object id="100663636">
           <Description>Invoice 2009968</Description>
           <Size>83164</Size>
           <Created>2015-10-12T13:10:04.077Z</Created>
           <Accessed>2015-10-12T13:10:04.077Z</Accessed>
           <Modified>2015-10-12T13:10:04.077Z</Modified>
           <ContentType>application/pdf</ContentType>
           <Extension>.pdf</Extension>
        </Object>
        <Object id="100663637">
           <Description>Invoice 0607972</Description>
           <Size>92539</Size>
           <Created>2015-10-12T13:10:04.083Z</Created>
           <Accessed>2015-10-12T13:10:04.083Z</Accessed>
           <Modified>2015-10-12T13:10:04.083Z</Modified>
           <ContentType>application/pdf</ContentType>
           <Extension>.pdf</Extension>
        </Object>
     </RetentionPolicyObjectsReadResponse>
  </S:Body>
</S:Envelope>
```

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5.2.10.3 Entity retention policy audit log read

Operation reads an entity retention policy audit log.

Request

See chapter RetentionPolicyAuditLogReadRequest

Example

An example of the entity retention policy audit log read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:RetentionPolicyAuditLogReadRequest>
      <ser:SessionToken>zJn3h3G5ozBZr1p27XvtvmjfDXCTSOvqZahBbX4S</ser:SessionToken>
      <ser:Id>5CobtV-H1DNFXeph2W3lGEafgazOvtfp</ser:Id>
    </ser:RetentionPolicyAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <RetentionPolicyAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-27T14:27:24Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-27T14:27:24Z" type="ContentPartSave">
        <Details>Research report_Perception of Income requirements in retirement
[h8bwNAiVUjhc9Q32it1L7NVB8HNpZmL2]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-27T14:27:24Z" type="ContentPartCreate">
        <Details>Research report_Perception of Income requirements in retirement
[h8bwNAiVUjhc9Q32it1L7NVB8HNpZmL2]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
```

```
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-27T14:26:45Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-27T14:26:45Z" type="PropertyValueChange">
        <Details>Changed properties: sys:ret:pol:Trigger</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Description, sys:Title,
sys:ret:pol:Action, sys:ret:pol:DetailedDescription, sys:ret:pol:Reason,
sys:ret:pol:Trigger</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </RetentionPolicyAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.11 Content objects

5.2.11.1 Entity content objects or object read

Operation reads an entity content objects or object.

Request

See chapter EntityObjectsReadRequest

Response

See chapter EntityObjectsReadResponse

Example #1

An example of the entity objects »bZyK5gLCPyZ0r8VRXsFEzIqAZm3A9fOc« read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectsReadRequest>
      <ser:SessionToken>zJn3h3G5ozBZr1p27XvtvmjfDXCTSOvqZahBbX4S</ser:SessionToken>
      <ser:Id>bZyK5gLCPyZ0r8VRXsFEzIqAZm3A9fOc</ser:Id>
    </ser:EntityObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="vEM_0hfB2gz4BhF50GqC_v82J173pqUt">
        <Description>Licensing.pdf</Description>
        <Size>161670</Size>
        <ChildCount>0</ChildCount>
        <Indexed>true</Indexed>
        <Signed>false</Signed>
        <Created>2018-11-21T13:03:30.504Z</Created>
        <Accessed>2018-11-29T09:57:02.448Z</Accessed>
        <Modified>2018-11-21T13:03:30.504Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
    </EntityObjectsReadResponse>
  </S:Body>
</S:Envelope>
```

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Example #2

An example of reading objects in a tree structure, contained under an entity with a unique identifier »25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3«.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectsReadRequest>
        <ser:SessionToken>63060cf9-b244-473e-bbaf-80dcf839f9c9</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>
        <ser:Tree>true</ser:Tree>
     </ser:EntityObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8">
           <Description>license</Description>
           <Size>13559</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-19T09:45:55.578Z</Created>
           <Accessed>2017-12-12T11:38:49.524Z</Accessed>
           <Modified>2017-07-19T09:45:55.578Z</Modified>
           <ContentType>application/msword</ContentType>
           <Extension>.doc</Extension>
           <Children id="0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40">
              <Description>license.tif [OCR at 2017-12-04 14:58:51]</Description>
              <Size>58799</Size>
              <ChildCount>1</ChildCount>
              <Indexed>false</Indexed>
              <Signed>false</Signed>
              <Created>2017-12-04T14:58:51.290Z</Created>
              <Accessed>2017-12-04T14:58:51.290Z</Accessed>
              <Modified>2017-12-04T14:58:51.290Z</Modified>
              <ContentType>image/tiff</ContentType>
              <Extension>.tif</Extension>
              <Children id="081e742e9ffa421b8a998732ba3538b93a359b36d6ce225565ea8c5145878de6">
                 <Description>license.pdf [OCR, 1pages]</Description>
                 <Size>102811</Size>
                 <ChildCount>0</ChildCount>
                 <Indexed>false</Indexed>
                 <Signed>false</Signed>
                 <Created>2017-12-04T14:58:57.528Z</Created>
                 <Accessed>2017-12-04T14:58:57.528Z</Accessed>
                 <Modified>2017-12-04T14:58:57.528Z</Modified>
                 <ContentType>application/pdf</ContentType>
                 <Extension>.pdf</Extension>

  <ParentId>0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40</ParentId>
           </Children>

  <ParentId>1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8</ParentId>
           </Children>
        </Object>
```

```
        <Object id="1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9">
           <Description>Order</Description>
           <Size>22016</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-19T12:07:42.079Z</Created>
           <Accessed>2017-07-19T12:07:42.079Z</Accessed>
           <Modified>2017-07-19T12:07:42.079Z</Modified>
           <ContentType>application/msword</ContentType>
           <Extension>.doc</Extension>
           <Children id="1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930">
              <Description>Order.tif</Description>
              <Size>11215</Size>
              <ChildCount>1</ChildCount>
              <Indexed>false</Indexed>
              <Signed>false</Signed>
              <Created>2017-07-19T12:07:44.483Z</Created>
              <Accessed>2017-07-19T12:07:44.483Z</Accessed>
              <Modified>2017-07-19T12:07:44.483Z</Modified>
              <ContentType>image/tiff</ContentType>
              <Extension>.tif</Extension>
              <Children id="1bdf242c8757019ccfd091e40ed54afc4cb6d2e14fb7168f1a45169ca9589093">
                 <Description>Order.pdf</Description>
                 <Size>40456</Size>
                 <ChildCount>0</ChildCount>
                 <Indexed>false</Indexed>
                 <Signed>false</Signed>
                 <Created>2017-07-19T12:07:45.786Z</Created>
                 <Accessed>2017-07-28T09:07:20.768Z</Accessed>
                 <Modified>2017-07-19T12:07:45.786Z</Modified>
                 <ContentType>application/pdf</ContentType>
                 <Extension>.pdf</Extension>

  <ParentId>1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930</ParentId>
              </Children>

  <ParentId>1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9</ParentId>
           </Children>
        </Object>
     </EntityObjectsReadResponse>
  </S:Body>
</S:Envelope>
```


Example #3

An example of reading objects in a flat list, contained under an entity with a unique identifier »25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3«.

Request


```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectsReadRequest>
        <ser:SessionToken>63060cf9-b244-473e-bbaf-80dcf839f9c9</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>
        <ser:Tree flat="true">false</ser:Tree>
     </ser:EntityObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8">
           <Description>license</Description>
           <Size>13559</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-19T09:45:55.578Z</Created>
           <Accessed>2017-12-12T11:38:49.524Z</Accessed>
           <Modified>2017-07-19T09:45:55.578Z</Modified>
           <ContentType>application/msword</ContentType>
           <Extension>.doc</Extension>
        </Object>
        <Object id="1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9">
           <Description>Order</Description>
           <Size>22016</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-19T12:07:42.079Z</Created>
           <Accessed>2017-07-19T12:07:42.079Z</Accessed>
           <Modified>2017-07-19T12:07:42.079Z</Modified>
           <ContentType>application/msword</ContentType>
           <Extension>.doc</Extension>
        </Object>
        <Object id="1a349f418b94b9f9f5082db1c544e0a03672d4212886651aa1c48b67ca88b930">
           <Description>Order.tif</Description>
           <Size>11215</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-19T12:07:44.483Z</Created>
           <Accessed>2017-07-19T12:07:44.483Z</Accessed>
           <Modified>2017-07-19T12:07:44.483Z</Modified>
           <ContentType>image/tiff</ContentType>
           <Extension>.tif</Extension>

  <ParentId>1dcbe51680dd097bcafc98a1a2560fa95196d76e0afffed5ca0b407f66d206c9</ParentId>
        </Object>
     </EntityObjectsReadResponse>
  </S:Body>
</S:Envelope>
```


Example #4

An example of reading objects contained under an object with a unique identifier »1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8« of an entity with a unique identifier »25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3«.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectsReadRequest>
        <ser:SessionToken>301dda55-af86-4773-9534-8f9f15764808</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3
        </ser:Id>
        <ser:ObjectId>1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
        </ser:ObjectId>
        <ser:Tree>true</ser:Tree>
     </ser:EntityObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40">
           <Description>license.tif [OCR at 2017-12-04 14:58:51]</Description>
           <Size>58799</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-12-04T14:58:51.290Z</Created>
           <Accessed>2017-12-12T12:25:55.252Z</Accessed>
           <Modified>2017-12-04T14:58:51.290Z</Modified>
           <ContentType>image/tiff</ContentType>
           <Extension>.tif</Extension>
           <Children id="081e742e9ffa421b8a998732ba3538b93a359b36d6ce225565ea8c5145878de6">
              <Description>license.pdf [OCR, 1pages]</Description>
              <Size>102811</Size>
              <ChildCount>0</ChildCount>
              <Indexed>false</Indexed>
              <Signed>false</Signed>
              <Created>2017-12-04T14:58:57.528Z</Created>
              <Accessed>2017-12-04T14:58:57.528Z</Accessed>
              <Modified>2017-12-04T14:58:57.528Z</Modified>
              <ContentType>application/pdf</ContentType>
              <Extension>.pdf</Extension>
              <ParentId>0924fd6622a1e5367adb8b513607967cd0ea8c9aa45c3248a81805c4c094dd40
              </ParentId>
           </Children>
           <ParentId>1e1c54264783c3e93026fcbac2d012e2ef180ab86b9c9b74ccc92847f2f204e8
           </ParentId>
        </Object>
     </EntityObjectsReadResponse>
  </S:Body>
</S:Envelope>
```

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5.2.11.2 Entity content object read

Object provides request to read the entity content object.

Request

See chapter EntityObjectReadRequest

Response

See chapter EntityObjectReadResponse

Example

An example of the entity first content object read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectReadRequest>
      <ser:SessionToken>Okabh6g3T6o0qKyVBzKWtOOwVB6tNrthpvkiUPYZ</ser:SessionToken>
      <ser:Id>jj1qxXgq1DTZp4SB3YKkLI00Sg2pJCgj</ser:Id>
    </ser:EntityObjectReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="8trsGUUPfqikVSU0_MGgRYwxl-RNDnJ7">
        <Description>signed.pdf</Description>
        <Size>46155</Size>
        <ChildCount>0</ChildCount>
        <Indexed>true</Indexed>
        <Signed>true</Signed>
        <Created>2018-11-28T11:56:42.960Z</Created>
        <Accessed>2018-12-03T12:16:39.402Z</Accessed>
        <Modified>2018-11-28T11:56:42.960Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>

<Content>JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9DcmVhdGlvbkRhdGUoRDoyMDEyMTAyOTE1MzU0MyswMScwMCcpL
1Byb2R1Y2VyKFBERiBYcGFuc2lvbiA4Ljg...</Content>
      </Object>
    </EntityObjectReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.11.3 Entity content object create

Operation creates an entity content object.

Request

See chapter EntityObjectCreateRequest

Response

See chapter EntityObjectCreateResponse

Example

An example of the entity content object create.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectCreateRequest>
        <ser:SessionToken>096a208e-1f3c-4839-bdea-dad7b4216c94</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
        <ser:Object>
           <ser:Description>Organizational_chart_Production.tiff</ser:Description>
           <ser:ContentType>image/tiff</ser:ContentType>
           <ser:Content>YXNkZmEgYXNkZiBhc2Rm</ser:Content>
        </ser:Object>
     </ser:EntityObjectCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectCreateResponse xmlns="http://www.imis.si/storageconnector/services">
        <Object id="100707404">
           <Description>Organizational_chart_Finance.tiff</Description>
           <Size>97752</Size>
           <Created>2016-10-10T10:55:50.684Z</Created>
           <Accessed>2016-10-10T10:55:50.684Z</Accessed>
           <Modified>2016-10-10T10:55:50.684Z</Modified>
           <ContentType>image/tiff</ContentType>
           <Extension>.tif</Extension>
        </Object>
        <Object id="100707405">
           <Description>Organizational_chart_Production.tiff</Description>
           <Size>15</Size>
           <Created>2016-10-10T10:56:13.496Z</Created>
           <Accessed>2016-10-10T10:56:13.496Z</Accessed>
           <Modified>2016-10-10T10:56:13.496Z</Modified>
           <ContentType>image/tiff</ContentType>
           <Extension>.tif</Extension>
        </Object>
     </EntityObjectCreateResponse>
  </S:Body>
</S:Envelope>
```

5.2.11.4 Content object update

Operation updates an entity content and description.

Request

See chapter EntityObjectUpdateRequest

Response

See chapter EntityObjectUpdateResponse

Example

An example of the entity content object update.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectUpdateRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
        <ser:Object id="100707411">
           <ser:Description>Organizational_chart_Production.tiff</ser:Description>
           <ser:Content>YXNkZmEgYXNkZiBhc2Rm</ser:Content>
        </ser:Object>
     </ser:EntityObjectUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectUpdateResponse xmlns="http://www.imis.si/storageconnector/services">
        <Object id="100707411">
           <Description>Organizational_chart_Production.tiff</Description>
           <Size>15</Size>
           <Created>2016-10-10T11:18:02.493Z</Created>
           <Accessed>2016-10-10T14:02:57.697Z</Accessed>
           <Modified>2016-10-10T14:02:57.715Z</Modified>
           <ContentType>image/tiff</ContentType>
           <Extension>.tif</Extension>
        </Object>
     </EntityObjectUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.11.5 Entity content object delete

Operation deletes an entity content object.

Request

See chapter EntityObjectDeleteRequest

Response

See chapter EntityObjectDeleteResponse

Example

An example of the entity content object delete.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectDeleteRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
        <ser:ObjectId>100707411</ser:ObjectId>
     </ser:EntityObjectDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectDeleteResponse xmlns="http://www.imis.si/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.11.6 Entity object move

Operation moves an entity object.

Request

See chapter EntityObjectMoveRequest

Response

See chapter EntityObjectMoveResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectMoveRequest>
        <ser:SessionToken>63060cf9-b244-473e-bbaf-80dcf839f9c9</ser:SessionToken>
        <ser:Id
type="Internal">70f0c8b8a3f18ee7dd6df55e5a86fc923be04a6f1b80597c5a26af00e05c1c89</ser:Id>

  <ser:ObjectId>feeac0611ae73d47f08a228c633be2754e0862a8c8016553d4c27b172b66d526</ser:ObjectId
>
        <ser:ParentId
type="Internal">736d7d555fedf0edde3afa6d6b8357fce245839defcb9b8bd61607f68fa8cd58</ser:ParentId
>
     </ser:EntityObjectMoveRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectMoveResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="feeac0611ae73d47f08a228c633be2754e0862a8c8016553d4c27b172b66d526">
           <Description>AIMAG_OCR.pdf</Description>
           <Size>265957</Size>
           <ChildCount>0</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-08-28T11:45:47.620Z</Created>
           <Accessed>2017-08-28T11:45:47.620Z</Accessed>
           <Modified>2017-08-28T11:45:47.620Z</Modified>
           <ContentType>application/pdf</ContentType>
           <Extension>.pdf</Extension>
        </Object>
     </EntityObjectMoveResponse>
  </S:Body>
</S:Envelope>
```

5.2.11.7 Entity object copy

Operation copies an entity object.

Request

See chapter EntityObjectCopyRequest

Response

See chapter EntityObjectCopyResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectCopyRequest>
        <ser:SessionToken>0cbd1168-063f-4a17-a9f2-90bcb33d2369</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

  <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cda1a9390</ser:ObjectId
>
        <ser:ParentId
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:ParentI
d>
        <ser:Description>test1</ser:Description>
     </ser:EntityObjectCopyRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectCopyResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="0a368b513a7f0b49cf31b08c4df75381964dc74e357ca8b41e7e17797a2f53ab">
           <Description>test1</Description>
           <Size>74714</Size>
           <ChildCount>0</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-12-11T11:38:40.687Z</Created>
           <Accessed>2017-12-11T11:38:40.687Z</Accessed>
           <Modified>2017-12-11T11:38:40.687Z</Modified>
           <ContentType>application/pdf</ContentType>
           <Extension>.pdf</Extension>
        </Object>
     </EntityObjectCopyResponse>
  </S:Body>
</S:Envelope>
```

5.2.11.8 Entity object management

Operation marks an entity object for later indexing or conversion.

Request

See chapter EntityObjectManageRequest

Response

See chapter EntityObjectManageResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectManageRequest>
        <ser:SessionToken>236f2f3d-6d46-49ec-b22a-40f7a3c42303</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

  <ser:ObjectId>7b35df392db058cb6893d4eebf99232c97c1aec791a5fbdab120b2d005c82aec</ser:ObjectId
>
        <ser:QueueForIndexing>true</ser:QueueForIndexing>
        <ser:QueueForConversion>true</ser:QueueForConversion>
     </ser:EntityObjectManageRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectManageResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="7b35df392db058cb6893d4eebf99232c97c1aec791a5fbdab120b2d005c82aec">
           <Description>IMiSOCR.rtf</Description>
           <Size>6658</Size>
           <ChildCount>1</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-20T08:03:08.749Z</Created>
           <Accessed>2017-12-11T11:03:16.554Z</Accessed>
           <Modified>2017-07-20T08:03:08.749Z</Modified>
           <ContentType>text/rtf</ContentType>
           <Extension>.rtf</Extension>
        </Object>
     </EntityObjectManageResponse>
  </S:Body>
</S:Envelope>
```

5.2.11.9 Entity object detach

Operation detaches an entity object.

Request

See chapter EntityObjectDetachRequest

Response

See chapter EntityObjectDetachResponse

Example #1

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectDetachRequest>
        <ser:SessionToken>5df51072-6c52-4683-b678-ce0241cea0fe</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

  <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cda1a9390</ser:ObjectId
>
     </ser:EntityObjectDetachRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityObjectDetachResponse xmlns="http://www.imis.eu/storageconnector/services">
        <Object id="197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cda1a9390">
           <Description>test1p.pdf</Description>
           <Size>74714</Size>
           <ChildCount>0</ChildCount>
           <Indexed>false</Indexed>
           <Signed>false</Signed>
           <Created>2017-07-19T12:08:32.213Z</Created>
           <Accessed>2017-07-19T12:08:32.213Z</Accessed>
           <Modified>2017-07-19T12:08:32.213Z</Modified>
           <ContentType>application/pdf</ContentType>
           <Extension>.pdf</Extension>
        </Object>
     </EntityObjectDetachResponse>
  </S:Body>
</S:Envelope>
```

Example #2

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityObjectDetachRequest>
        <ser:SessionToken>5df51072-6c52-4683-b678-ce0241cea0fe</ser:SessionToken>
        <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

  <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cda1a9390</ser:ObjectId
>
     </ser:EntityObjectDetachRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

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Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
        <faultcode>S:Server</faultcode>
        <faultstring>Server reported an error processing request (Reason: code=ERR_IAS_ERROR,
message='Value '197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cda1a9390' cannot be
detached because it is not contained under parent.')</faultstring>
           <detail>
              <SystemFault:SystemFault xmlns="http://www.imis.eu/storageconnector/services"
xmlns:SystemFault="http://www.imis.eu/storageconnector/services">
              <Code>500</Code>
              <Message>Server reported an error processing request (Reason:
code=ERR_IAS_ERROR, message='Value
'197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cda1a9390' cannot be detached because
it is not contained under parent.')</Message>
           </SystemFault:SystemFault>
        </detail>
     </S:Fault>
  </S:Body>
</S:Envelope>
```

5.2.12 Authenticity

5.2.12.1 EntityNonrepudiationRead

Operation reads an entity authenticity and integrity proofs.

Request

See chapter EntityNonrepudiationReadRequest

Response

See chapter EntityNonrepudiationReadResponse

Example

An example of the entity authenticity and integrity proofs read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntityNonrepudiationReadRequest>
        <ser:SessionToken>66f818c2-d4ba-47b0-8000-9ce5e73ea06b</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=72^D=00025</ser:Id>
     </ser:EntityNonrepudiationReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

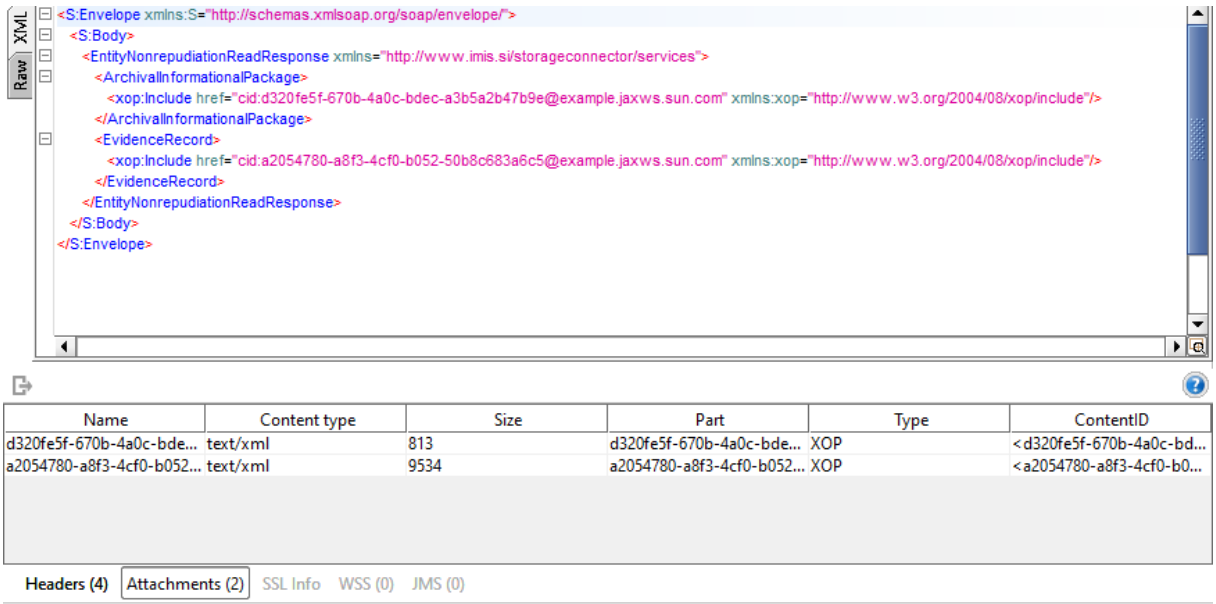
Scheme


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <EntityNonrepudiationReadResponse xmlns="http://www.imis.si/storageconnector/services">

<ArchivalInformationalPackage>PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz4KPGFpcDpBSVAg
eG1sbnM6YWlwPSJodHRwOi8vd3d3LmltaXMuZXUvaW1pc2FyYy9haXAiIHhtbG5zOmRzPSJodHRwOi8vd3d3LnczLm9yZy
8yMDAwLzA5L3htbGRzaWcjIj48YWlwOkhlYWRlciBWZXJzaW9uPSIxIj48ZHM6Q2Fub25pY2FsaXphdGlvbk1ldGhvZCBB
bGdvcml0aG09Imh0dHA6Ly93d3cudzMub3JnL1RSLzIwMDEvUkVDLXhtbC1jMTRuLTIwMDEwMzE1Ii8+PC9haXA6SGVhZG
VyPjxhaXA6QXR0cmlidXRlIElkPSJBdHJpYnV0IDkzIiBUeXBlPSI3Ii8+PGFpcDpBdHRyaWJ1dGUgSWQ9IkF0cmlidXQg
OTkiIFR5cGU9IjE4Ii8+PGFpcDpBdHRyaWJ1dGUgSWQ9InN5czpDb21taXRMb2ciIFR5cGU9IjE3Ii8+PGFpcDpDb250ZW
50IElkPSJzeXM6Q29udGVudCI+PGFpcDpDb250ZW50VmFsdWU+PGRzOkRpZ2VzdE1ldGhvZCBBbGdvcml0aG09Imh0dHA6
Ly93d3cudzMub3JnLzIwMDEvMDQveG1sZW5jI3NoYTI1NiIvPjxkczpEaWdlc3RWYWx1ZT5OdjA2TGhzVEZaVmdDY1Nrdz
kwNVNKV0FpMzR3cysrTlh2OEVmK1FxaTIwPTwvZHM6RGlnZXN0VmFsdWU+PC9haXA6Q29udGVudFZhbHVlPjxhaXA6Q29u
dGVudFZhbHVlPjxkczpEaWdlc3RNZXRob2QgQWxnb3JpdGhtPSJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0L3htbGVuYy
NzaGEyNTYiLz48ZHM6RGlnZXN0VmFsdWU+b2xPcUFvRW1aeGo2VHl3R2o5aEc0ejFQZzJQbTBVT2hUcTIzQVFzMVg1az08
L2RzOkRpZ2VzdFZhbHVlPjwvYWlwOkNvbnRlbnRWYWx1ZT48L2FpcDpDb250ZW50PjwvYWlwOkFJUD4K</ArchivalInfo
rmationalPackage>

<EvidenceRecord>PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz4KPEV2aWRlbmNlUmVjb3JkIHhtbG
5zPSJ1cm46aWV0ZjpwYXJhbXM6eG1sOm5zOmVycyIgVmVyc2lvbj0iMS4wIj48QXJjaGl2ZVRpbWVTdGFtcFNlcXVlbmNl
PjxBcmNoaXZlVGltZVN0YW1wQ2hhaW4gT3JkZXI9IjEiPjxEaWdlc3RNZXRob2QgQWxnb3JpdGhtPSJodHRwOi8vd3d3Ln
czLm9yZy8yMDAwLzA5L3htbGRzaWcjc2hhMSIvPjxDYW5vbmljYWxpemF0aW9uTWV0aG9kIEFsZ29yaXRobT0iaHR0cDov
L3d3dy53My5vcmcvVFIvMjAwMS9SRUMteG1sLWMxNG4tMjAwMTAzMTUiLz48QXJjaGl2ZVRpbWVTdGFtcCBPcmRlcj0iMS
I+PEhhc2hUcmVlPjxTZXF1ZW5jZSBPcmRlcj0iMSI+PERpZ2VzdFZhbHVlPmhFOXJ6TE11U2xhTlpCMUs5M2NDKzNDTUc4
dz08L0RpZ2VzdFZhbHVlPjxEaWdlc3RWYWx1ZT4wWmI1UjJpUkVid29ONzM2NC8zRHBWYTl3U3M9PC9EaWdlc3RWYWx1ZT
48L1NlcXVlbmNlPjwvSGFzaFRyZWU+PFRpbWVTdGFtcD48VGltZVN0YW1wVG9rZW4gVHlwZT0iWE1MRU5UUlVTVCI+PGRz
aWc6U2lnbmF0dXJlIHhtbG5zOmRzaWc9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvMDkveG1sZHNpZyMiIElkPSJUaW1lU3
RhbXBUb2tlbiI+PGRzaWc6U2lnbmVkSW5mbz48ZHNpZzpDYW5vbmljYWxpemF0aW9uTWV0aG9kIEFsZ29yaXRobT0iaHR0
cDovL3d3dy53My5vcmcvVFIvMjAwMS9SRUMteG1sLWMxNG4tMjAwMTAzMTUiLz48ZHNpZzpTaWduYXR1cmV
</EvidenceRecord>
...
     </EntityNonrepudiationReadResponse>
  </S:Body>
</S:Envelope>
```


Response MTOM



5.2.13 Audit log

5.2.13.1 Entity audit log read

Operation reads an entity audit log.

Request

See chapter EntityAuditLogReadRequest

Example

An example of the entity audit log read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityAuditLogReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>6Y4hxehBOR_C-wiGqGZ99zyrgercaXCm</ser:Id>
    </ser:EntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="169.254.237.238"
publicAddress="192.168.80.64" time="2018-11-27T12:30:02Z" type="EntityOpenReadOnly">
        <Delegate id="cirwin">
          <FirstName>Caroline</FirstName>
          <LastName>Irwin</LastName>
          <Email>caroline.irwin@acme.com</Email>
          <Type>User</Type>
        </Delegate>
        <User id="anelson">
          <FirstName>Alex</FirstName>
          <LastName>Nelson</LastName>
          <Email>alex.nelson@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-26T08:59:24Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
```

```
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-26T08:59:24Z" type="StatusChange">
        <Details>Opened [1]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-26T08:59:24Z" type="PropertyValueChange">
        <Details>Changed properties: sys:Title</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-26T08:59:24Z" type="RetentionChange">
        <Details>Added policies:'2 years'</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-26T08:59:24Z" type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </EntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```


5.2.13.2 Reading the entity audit log in different formats

Operation obtains information on the entity audit log in different formats (CSV and XML in the original form).

Request

See chapter AuditLogRawReadRequest

Response

See chapter AuditLogRawReadResponse

Example

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:AuditLogRawReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>q9uOxr1_VCmwraHqTau5QOXF5bTWHowM</ser:Id>
      <ser:Type>CSV</ser:Type>
    </ser:AuditLogRawReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
   <S:Body>
      <AuditLogRawReadResponse xmlns="http://www.imis.eu/storageconnector/services">
         <AuditLog>Time;User;Address;Computer;InternalAddress;EventType;EventDetails;Delegate
2018-11-27T07:32:37Z;admin;192.168.80.67;MARKOPC;192.168.80.67;ENTITY_OPEN_READ_WRITE;;
2018-11-27T07:32:12Z;admin;192.168.80.67;MARKOPC;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-23T11:15:04Z;kclay;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-23T11:15:03Z;kclay;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-23T10:52:35Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-23T10:36:54Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-23T10:16:52Z;admin;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-22T14:46:58Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-21T08:13:14Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
16T13:39:56Z;admin;192.168.50.15;apps01.imis.si;2a01:260:4086:1280:ec3f:24a9:b72:3621;ENTITY_O
PEN_READ_ONLY;;
2018-11-15T09:39:32Z;admin;192.168.50.15;apps01.imis.si;192.168.80.51;ENTITY_OPEN_READ_ONLY;;
2018-11-14T10:00:57Z;admin;192.168.50.15;apps01.imis.si;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-14T09:08:14Z;admin;192.168.50.15;apps01.imis.si;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;ENTITY_SAVE;;
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;PROPERTY_VALUE_CHANGE;C
hanged properties: sys:Creator, sys:Description, sys:Title;
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;RETENTION_CHANGE;Added
policies:'Permanent';
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;ENTITY_CREATE;;</AuditL
og>
      </AuditLogRawReadResponse>
   </S:Body>
</S:Envelope>
```

5.2.14 Search

5.2.14.1 Entity search

Operation provides an entity search on the entire archive or under the selected entity only and retrieves public information on searched entities.

Request

See chapter EntitySearchRequest

Response

See chapter EntitySearchResponse

Example #1

An example of the entities full text search when search query is »Android«.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:SearchRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
     <ser:Expression>{android}</ser:Expression>
     </ser:SearchRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <SearchResponse xmlns="http://www.imis.si/storageconnector/services">
        <SearchHit id="Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E">
           <ClassificationCode>C=147^D=00001</ClassificationCode>
           <PublicClassificationCode>147/00001</PublicClassificationCode>
           <Title>Imaging Systems Daily Summary for October</Title>
           <Type>Document</Type>
           <Object name="Email - body"/>
           <Object name="Email - raw"/>
        </SearchHit>
        <SearchHit id="EgF0_TREPI6zZtCDPzYlkD3FsK-Egg_HMOoc__HIsK8">
           <ClassificationCode>C=147^D=00056</ClassificationCode>
           <PublicClassificationCode>147/00056</PublicClassificationCode>
           <Title> Imaging Systems Daily Summary for September</Title>
           <Type>Document</Type>
           <Object name="Email - body"/>
           <Object name="Email - raw"/>
        </SearchHit>
     </SearchResponse>
  </S:Body>
</S:Envelope>
```

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Example #2

An example of the entities full text search when search query is »Android« and filter is set to »All« (retrieves public information on searched entities).

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:SearchRequest>
        <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
        <ser:Expression>{android}</ser:Expression>
           <ser:Filter all="true"/>
     </ser:SearchRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <SearchResponse xmlns="http://www.imis.si/storageconnector/services">
        <SearchHit id="Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E">
           <ClassificationCode>C=147^D=00001</ClassificationCode>
           <PublicClassificationCode>147/00001</PublicClassificationCode>
           <Title>Imaging Systems Daily Summary for October</Title>
           <Type>Document</Type>
           <Permanent>false</Permanent>
           <ChildCount>0</ChildCount>
           <Creator>admin</Creator>
           <Template>Email</Template>
           <Created>2016-07-29T08:23:41.863Z</Created>
           <Accessed>2016-10-10T13:14:43.894Z</Accessed>
           <Modified>2016-08-26T11:04:08.470Z</Modified>
           <Opened>2016-07-29T08:23:41.863Z</Opened>
           <SecurityClass inherited="true">Unclassified</SecurityClass>
           <Significance inherited="true">Vital</Significance>
           <Status inherited="true">Opened</Status>
           <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
           <ParentId type="Internal">YQM1ixP8TAOZ0Qabg-OSRxLf9mrLAFHJt9YDVRK5xNs</ParentId>
           <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
           <Property xsi:type="Int32Property" name="Document code number"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
              <Description>Code number of the document</Description>
              <Type>Int32</Type>
           </Property>
           <Property xsi:type="String10Property" name="Secure code"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
              <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
              <Description>Secure code of a document</Description>
              <Type>String10</Type>
           </Property>
```

```
            <Property xsi:type="DateTimeProperty" name="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory validation date</Description>
               <Type>DateTime</Type>
               <Value>2016-06-27T10:12:00.000Z</Value>
            </Property>
            <Object name="Email - body"/>
            <Object name="Email - raw"/>
         </SearchHit>
         <SearchHit id="EgF0_TREPI6zZtCDPzYlkD3FsK-Egg_HMOoc__HIsK8">
            <ClassificationCode>C=147^D=00056</ClassificationCode>
            <PublicClassificationCode>147/00056</PublicClassificationCode>
            <Title>Imaging Systems Daily Summary for September</Title>
            <Type>Document</Type>
            <Permanent>false</Permanent>
            <ChildCount>0</ChildCount>
            <Creator>admin</Creator>
            <Template>Email</Template>
            <Created>2016-09-02T08:41:42.104Z</Created>
            <Accessed>2016-09-14T13:41:56.586Z</Accessed>
            <Modified>2016-09-02T08:41:42.104Z</Modified>
            <Opened>2016-09-02T08:41:42.104Z</Opened>
            <SecurityClass inherited="true">Unclassified</SecurityClass>
            <Significance inherited="true">Vital</Significance>
            <Status inherited="true">Opened</Status>
            <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
            <ParentId type="Internal">YQM1ixP8TAOZ0Qabg-OSRxLf9mrLAFHJt9YDVRK5xNs</ParentId>
            <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
            <Property xsi:type="Int32Property" name="Document code number"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="true" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Code number of the document</Description>
               <Type>Int32</Type>
            </Property>
            <Property xsi:type="String10Property" name="Secure code"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Secure code of a document</Description>
               <Type>String10</Type>
            </Property>
            <Property xsi:type="DateTimeProperty" name="Validation date"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
               <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
               <Description>Non mandatory validation date</Description>
               <Type>DateTime</Type>
               <Value>2016-06-27T10:12:00.000Z</Value>
            </Property>
            <Object name="Email - body"/>
            <Object name="Email - raw"/>
         </SearchHit>
      </SearchResponse>
   </S:Body>
</S:Envelope>
```

5.2.15 Disposition hold

5.2.15.1 Entity disposition hold read

Operation reads an entity disposition holds or disposition hold.

Request

See chapter DispositionHoldsReadRequest

Response

See chapter DispositionHoldsReadResponse

Example

An example of the entity disposition holds read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldsReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
    </ser:DispositionHoldsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DispositionHoldsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DispositionHold id="7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez">
        <Created>2018-11-13T10:02:00.000Z</Created>
        <Accessed>2018-11-13T10:02:00.000Z</Accessed>
        <Modified>2018-11-13T10:02:00.000Z</Modified>
        <Name>Legal procedure</Name>
        <Reason>Active legal procecdure</Reason>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Description>Legal procedure in progress, material must be preserved until
finished</Description>
      </DispositionHold>
    </DispositionHoldsReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.15.2 Entity disposition hold audit log read

Operation reads an entity disposition hold audit log.

Request

See chapter DispositionHoldAuditLogReadRequest

Example

An example of the entity disposition hold audit log read.

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldAuditLogReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez</ser:Id>
    </ser:DispositionHoldAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DispositionHoldAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:02:00Z"
type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:02:00Z"
type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Description, sys:Title,
sys:ret:hold:Reason</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:02:00Z"
type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
```

```
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </DispositionHoldAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.16 References

5.2.16.1 Entity references read

Operation obtains a collection of entity references or an individual entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter EntityReferencesReadRequest

Response

See chapter EntityReferencesReadResponse

Example

An example of the entity references read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferencesReadRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v4Ojnq7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>5QB-MTdQdGaSk3M46TAaVGOPI904HzD6</ser:ReferenceId>
    </ser:EntityReferencesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferencesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T12:25:17.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="5oT3QvcUsRANCCVC0jGAC5CmlF-V0OCt">
          <ClassificationCode>C=01</ClassificationCode>
          <PublicClassificationCode>01</PublicClassificationCode>
          <Title>Administration</Title>
          <Type>Class</Type>
          <Description>Company documentation and correspondence</Description>
          <Permanent>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Owner id="builder">
            <FirstName>builder</FirstName>
            <LastName/>
            <Email/>
            <Type>User</Type>
          </Owner>
          <Template id="Class">
            <Label>Class</Label>
            <EntityType>Class</EntityType>
          </Template>
          <Created>2018-11-13T12:26:58.000Z</Created>
          <Accessed>2018-12-03T10:34:24.000Z</Accessed>
          <Modified>2018-11-28T15:16:22.000Z</Modified>
          <ModifiedBy id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </ModifiedBy>
          <Opened>2018-11-13T12:26:58.000Z</Opened>
          <SecurityClass inherited="false">Restricted</SecurityClass>
          <Significance inherited="false"/>
          <Status inherited="true">Opened</Status>
          <Retention>
            <Policy id="6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ">
              <Name>Permanent</Name>
              <Description>Permanent retention</Description>
              <ExplicitContext effective="true" scope="Allow">
                <Filter classes="true" documents="true" folders="true"/>
              </ExplicitContext>
            </Policy>
          </Retention>
          <SubEntityTemplate id="Class">
            <Label>Class</Label>
            <EntityType>Class</EntityType>
          </SubEntityTemplate>
          <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
          <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
          <AIP>true</AIP>
          <HasReferences>true</HasReferences>
          <Draft>false</Draft>
          <HasVersions>false</HasVersions>
```

```
          <HasDraft>false</HasDraft>
        </Entity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <Id>5QB-MTdQdGaSk3M46TAaVGOPI904HzD6</Id>
        <Title/>
      </Reference>
    </EntityReferencesReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.16.2 Entity reference create

Operation creates a reference on a specific entity.
Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter EntityReferenceCreateRequest

Response

See chapterEntityReferenceCreateResponse

Example

An example of the entity reference create.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceCreateRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v4Ojnq7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:Entry>lpsCplq8w32Mj_55qxDsQj9E6ChooTLe</ser:Entry>
    </ser:EntityReferenceCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T13:36:01.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="lpsCplq8w32Mj_55qxDsQj9E6ChooTLe">
          <ClassificationCode>C=04^C=04^F=2018-000001</ClassificationCode>
```

```
          <PublicClassificationCode>04.04-2018-000001</PublicClassificationCode>
          <Title>Folder 01</Title>
          <Type>Folder</Type>
          <Permanent>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Template id="Case">
            <Label>Folder</Label>
            <EntityType>Folder</EntityType>
          </Template>
          <Created>2018-11-13T14:17:08.000Z</Created>
          <Accessed>2018-12-03T11:41:19.000Z</Accessed>
          <Modified>2018-11-13T14:17:08.000Z</Modified>
          <ModifiedBy id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </ModifiedBy>
          <Opened>2018-11-13T14:17:08.000Z</Opened>
          <SecurityClass inherited="true">Confidential</SecurityClass>
          <Significance inherited="true"/>
          <Status inherited="true">Opened</Status>
          <Retention>
            <Policy id="6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ">
              <Name>Permanent</Name>
              <Description>Permanent retention</Description>
              <InheritedContext effective="true" scope="Allow">
                <Filter classes="true" documents="true" folders="true"/>
              </InheritedContext>
            </Policy>
            <DispositionHold id="7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez">
              <Name>Legal procedure</Name>
              <Description>Legal procedure in progress, material must be preserved until
finished</Description>
              <Inherited>true</Inherited>
            </DispositionHold>
          </Retention>
          <SubEntityTemplate id="FiledDocument">
            <Label>Filed document</Label>
            <EntityType>Document</EntityType>
          </SubEntityTemplate>
          <SubEntityTemplate id="FiledEmail">
            <Label>Filed E-mail</Label>
            <EntityType>Document</EntityType>
          </SubEntityTemplate>
          <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
          <ParentId type="Internal">nvOxc74u-hTwDDzinB4oqg6T7VUjyAxR</ParentId>
          <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
          <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Action activated after date/time</Description>
            <Type>DateTime</Type>
            <Inherited>false</Inherited>
          </Property>
          <AIP>true</AIP>
          <HasReferences>true</HasReferences>
          <Draft>false</Draft>
          <HasVersions>false</HasVersions>
          <HasDraft>false</HasDraft>
```

```
        </Entity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <Id>4z-crK8xh6TufNc6m4piEEoJUrUq3ImS</Id>
        <Title/>
      </Reference>
    </EntityReferenceCreateResponse>
  </S:Body>
</S:Envelope>
```

5.2.16.3 Entity reference update

Operation updates an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter EntityReferenceUpdateRequest

Response

See chapter EntityReferenceCreateResponse

Example

An example of the entity reference update.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceUpdateRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v4Ojnq7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>4z-crK8xh6TufNc6m4piEEoJUrUq3ImS</ser:ReferenceId>
      <ser:Title>Ref</ser:Title>
      <ser:Entry>lpsCplq8w32Mj_55qxDsQj9E6ChooTLe</ser:Entry>
    </ser:EntityReferenceUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T13:36:01.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="lpsCplq8w32Mj_55qxDsQj9E6ChooTLe">
          <ClassificationCode>C=04^C=04^F=2018-000001</ClassificationCode>
          <PublicClassificationCode>04.04-2018-000001</PublicClassificationCode>
          <Title>Folder 01</Title>
          <Type>Folder</Type>
          <Permanent>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Template id="Case">
            <Label>Folder</Label>
            <EntityType>Folder</EntityType>
          </Template>
          <Created>2018-11-13T14:17:08.000Z</Created>
          <Accessed>2018-12-03T11:41:19.000Z</Accessed>
          <Modified>2018-11-13T14:17:08.000Z</Modified>
          <ModifiedBy id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </ModifiedBy>
          <Opened>2018-11-13T14:17:08.000Z</Opened>
          <SecurityClass inherited="true">Confidential</SecurityClass>
          <Significance inherited="true"/>
          <Status inherited="true">Opened</Status>
          <Retention>
            <Policy id="6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ">
              <Name>Permanent</Name>
              <Description>Permanent retention</Description>
              <InheritedContext effective="true" scope="Allow">
                <Filter classes="true" documents="true" folders="true"/>
              </InheritedContext>
            </Policy>
            <DispositionHold id="7i4QHR5OcoMJzyr8EglUp5wGr3TSO0ez">
              <Name>Legal procedure</Name>
              <Description>Legal procedure in progress, material must be preserved until
finished</Description>
              <Inherited>true</Inherited>
            </DispositionHold>
          </Retention>
          <SubEntityTemplate id="FiledDocument">
            <Label>Filed document</Label>
            <EntityType>Document</EntityType>
          </SubEntityTemplate>
          <SubEntityTemplate id="FiledEmail">
            <Label>Filed E-mail</Label>
            <EntityType>Document</EntityType>
          </SubEntityTemplate>
          <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
          <ParentId type="Internal">nvOxc74u-hTwDDzinB4oqg6T7VUjyAxR</ParentId>
          <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
```

```
          <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
            <Description>Action activated after date/time</Description>
            <Type>DateTime</Type>
            <Inherited>false</Inherited>
          </Property>
          <AIP>true</AIP>
          <HasReferences>true</HasReferences>
          <Draft>false</Draft>
          <HasVersions>false</HasVersions>
          <HasDraft>false</HasDraft>
        </Entity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <Id>4z-crK8xh6TufNc6m4piEEoJUrUq3ImS</Id>
        <Title>Ref</Title>
      </Reference>
    </EntityReferenceUpdateResponse>
  </S:Body>
</S:Envelope>
```

5.2.16.4 Entity reference delete

Operation deletes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter EntityReferenceDeleteRequest

Response

See chapter EntityReferenceDeleteResponse

Example

An example of the entity reference delete.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceDeleteRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v4Ojnq7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>4z-crK8xh6TufNc6m4piEEoJUrUq3ImS</ser:ReferenceId>
    </ser:EntityReferenceDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceDeleteResponse xmlns="http://www.imis.eu/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.17 Versioning

The versioning of entities enables the reading of all entity versions, and checking out and checking in an entity draft. Versioning is defined by a template, in which specific properties enable versioning and can be modified in different versions. Each version has a sequence version number, with which we can read, edit, delete and check out drafts from a specific version.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

5.2.17.1 Entity version read

Operation reads an entity versions.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter EntityVersionsReadRequest

Response

See chapter EntityVersionsReadResponse

Example

An example of the entity version read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityVersionsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw</ser:Id>
    </ser:EntityVersionsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityVersionsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Version id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Modified>2018-12-04T11:03:16.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true">Confidential</SecurityClass>
        <Significance inherited="true"/>
        <ParentId type="Internal">0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <VersionLabel>2.1</VersionLabel>
        <Version>3</Version>
        <Draft>false</Draft>
        <HasVersions>true</HasVersions>
        <HasDraft>false</HasDraft>
      </Version>
      <Version id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Accessed>2018-12-04T11:03:13.000Z</Accessed>
        <Modified>2018-12-04T11:02:59.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true">Confidential</SecurityClass>
```

```
        <Significance inherited="true"/>
        <ParentId type="Internal">0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <VersionLabel>2</VersionLabel>
        <Version>2</Version>
        <Draft>false</Draft>
        <HasVersions>true</HasVersions>
        <HasDraft>false</HasDraft>
      </Version>
      <Version id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Accessed>2018-12-04T11:02:56.000Z</Accessed>
        <Modified>2018-11-29T10:56:37.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true">Confidential</SecurityClass>
        <Significance inherited="true"/>
        <ParentId type="Internal">0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <VersionLabel>1</VersionLabel>
        <Version>1</Version>
        <Draft>false</Draft>
        <HasVersions>true</HasVersions>
        <HasDraft>false</HasDraft>
      </Version>
    </EntityVersionsReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.17.2 Entity drafts read

Operation reads an entity drafts.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter CollectionReadRequest

Response

See chapter EntitiesReadResponse

Example

An example of the entity drafts read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
    </ser:DraftsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="EmVprsxfM4_xYkThXI8ojTfpY9kRZZNM">
        <Title>Supervisor act</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="HAP2mq250TqdeOjDPhft7O26_5UvMkz-">
        <Title>ISO document 6500</Title>
        <Type>Document</Type>
        <Description>2018 documents</Description>
      </EntityStub>
      <EntityStub id="8PWiq53FDiysa-QgQ6nmWRxkYMPtACI3">
        <Title>Great document</Title>
        <Type>Document</Type>
      </EntityStub>
      <Size>3</Size>
    </DraftsReadResponse>
  </S:Body>
</S:Envelope>
```

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5.2.17.3 Entity draft check out

Operation checks out an entity draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter CheckOutRequest

Response

See chapter EntityStubReadResponse

Example

An example of the entity draft create.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:CheckOutRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw</ser:Id>
    </ser:CheckOutRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <CheckOutResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="8gM2KZyG8jI4lUkmcheEVOglOsKRg9ND">
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-12-04T11:09:11.000Z</Created>
        <Accessed>2018-12-04T11:09:11.000Z</Accessed>
        <Modified>2018-12-04T11:09:11.000Z</Modified>
```

```
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <ParentId type="Internal">CH1FvxGCtDeOoZo87OXnQiXLr77OQMch</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>false</AIP>
        <HasReferences>false</HasReferences>
        <Draft>true</Draft>
        <HasVersions>false</HasVersions>
        <HasDraft>false</HasDraft>
      </EntityStub>
    </CheckOutResponse>
  </S:Body>
</S:Envelope>
```

5.2.17.4 Entity draft check in

Operation checks in a draft. Changes to the draft will be saved to the entity from which the draft was created.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter CheckInRequest

Response

See chapter EntityStubReadResponse

Example

An example of the entity draft check in.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:CheckInRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>8gM2KZyG8jI4lUkmcheEVOglOsKRg9ND</ser:Id>
      <ser:Position>1</ser:Position>
    </ser:CheckInRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <CheckInResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Modified>2018-12-04T11:11:43.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true">Confidential</SecurityClass>
        <Significance inherited="true"/>
        <ParentId type="Internal">0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <VersionLabel>2.2</VersionLabel>
        <Version>4</Version>
        <Draft>false</Draft>
        <HasVersions>true</HasVersions>
        <HasDraft>false</HasDraft>
      </EntityStub>
    </CheckInResponse>
  </S:Body>
</S:Envelope>
```


5.2.17.5 Entity draft discard

Operation discards an entity draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

See chapter DraftDiscardRequest

Response

See chapter DraftDiscardResponse

Example

An example of the entity draft discard.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftDiscardRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>07r3oiSlDDtUsrio5DaOkuXrcDzQtufB</ser:Id>
    </ser:DraftDiscardRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftDiscardResponse xmlns="http://www.imis.eu/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

5.2.18 Import / Export

Users with the »ImportExport« role can export the entire classification scheme or only individual parts. All the metadata and content objects are exported for each entity, and optionally also its audit log and additional metadata. The latter are not a part of the entity metadata and are used only in the archiving process.

Below is a description of operations for importing and exporting entities.

5.2.18.1 Entity export

Operation exports entities.

Request

See chapter EntityExportRequest

Response

See chapter EntityExportResponse

Example

An example of the entity export.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityExportRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw</ser:Id>
      <ser:Classes>true</ser:Classes>
      <ser:Documents>true</ser:Documents>
      <ser:Folders>true</ser:Folders>
    </ser:EntityExportRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityExportResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Output>UEsDBBQACAgIAPZihE0AAAAAAAAAAAAAAAALAAAARXhwb3J0RGF0YS...</Output>
    </EntityExportResponse>
  </S:Body>
</S:Envelope>
```

5.2.18.2 Entities export logs read

Operation reads entities export logs.

Request

See chapter CollectionReadRequest

Response

See chapter EntitiesReadResponse

Example

An example of the entities export logs read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ExportLogsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:ExportLogsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ExportLogsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="fRv0-_v1ybWEhbKUC1AYWXMxHVCltCxb">
        <ClassificationCode>C=sys^C=Logs^C=Export^D=0000000001</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Export/0000000001</PublicClassificationCode>
        <Title>2018-11-14T10:08:04.455+01:00</Title>
        <Type>Document</Type>
        <Description>Export started at 2018-11-14T10:08:04.455+01:00</Description>
      </EntityStub>
      <EntityStub id="ZdSOFQNCQRl-YnyR7QOV53aImXA_37x-">
        <ClassificationCode>C=sys^C=Logs^C=Export^D=0000000002</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Export/0000000002</PublicClassificationCode>
        <Title>2018-11-14T10:52:08.918+01:00</Title>
        <Type>Document</Type>
        <Description>Export started at 2018-11-14T10:52:08.918+01:00</Description>
      </EntityStub>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>50</Size>
    </ExportLogsReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.18.3 Entities import logs read

Operation reads entities import logs.

Request

See chapter CollectionReadRequest

Response

See chapter EntitiesReadResponse

Example

An example of the entities import logs read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ImportLogsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:ImportLogsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ImportLogsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="dUhVISje_3Jd2z98s3jcp-1dXgq4F3EB">
        <ClassificationCode>C=sys^C=Logs^C=Import^D=0000000001</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Import/0000000001</PublicClassificationCode>
        <Title>2018-11-21T14:00:54.2297695+01:00</Title>
        <Type>Document</Type>
        <Description>Import started at 2018-11-21T14:00:54.2297695+01:00</Description>
      </EntityStub>
      <EntityStub id="YfS4Ea4N9CE_ZMLxZQlJvhN99D2FWS6b">
        <ClassificationCode>C=sys^C=Logs^C=Import^D=0000000002</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Import/0000000002</PublicClassificationCode>
        <Title>2018-11-21T14:03:30.0163403+01:00</Title>
        <Type>Document</Type>
        <Description>Import started at 2018-11-21T14:03:30.0163403+01:00</Description>
      </EntityStub>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>24</Size>
    </ImportLogsReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.19 Review

Each entity in the classification scheme has its own life span. Each class, folder or document classified directly under a class must have at least one effective retention period set, which specifies the time frame for the retention of an individual entity in the archive system. In addition to the time frame, the retention period also contains the default action which will be implemented in the review process. The user can change the action during a controlled and planned process for executing the transfer, disposition or permanent retention of electronic content. Below is a description of operations for the review process.

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5.2.19.1 Reviews read

Operation reads reviews.

Request

See chapter CollectionReadRequest

Response

See chapter ReviewsReadResponse

5.2.19.2 Review public information read

Operation reads a review public information.

Request

See chapter ReviewStubReadRequest

Response

See chapter ReviewStubReadResponse

5.2.19.3 Review open

Operation opens a review for reading and returns a unique identifier of the open review, which carries out different operations (where the value of the identifier type can equal Handle).

Request

See chapter ReviewOpenRequest

Response

See chapter ReviewOpenResponse

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5.2.19.4 Review open for creating

Operation opens a review for creating and returns a unique identifier of the open review, which carries out different operations (where the value of reviewIdType can equal H).

Request

See chapter ReviewOpenRequest

Response

See chapter ReviewOpenResponse

5.2.19.5 Review close

Operation closes an open review. The review is closed with the unique identifier obtained when opening the entity for reading, editing or creating. In the closing operation, the response is without content.

Request

See chapter ReviewCloseRequest

Response

See chapter ReviewCloseResponse

5.2.19.6 Review read

Operation reads a review information.

Request

See chapter ReviewReadRequest

Response

See chapter ReviewReadResponse

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5.2.19.7 Review page read

Operation obtains a collection of entities of an individual review page.

Request

See chapter ReviewItemReadRequest

Response

See chapter ReviewItemReadResponse

5.2.19.8 Modifying an Entity on a Review Page

The operation modifies an entity on a review page.

Request

See chapter ReviewItemUpdateRequest

5.2.19.9 Review create

This operation creates and saves a review or opens a review for creating and returns a unique identifier of the open review, which carries out different operations (where the value of the identifier type can equal Handle). The review can be created from multiple retention policies or from a query expression.

Request

See chapter ReviewCreateRequest

Response

See chapter ReviewReadResponse

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5.2.19.10 Review update

Operation updates a review.

Request

See chapter ReviewUpdateRequest

Response

See chapter ReviewReadResponse

5.2.19.11 Review audit log read

Operation reads a review audit log information.

Request

See chapter ReviewAuditLogReadRequest

Response

See chapter AuditLogReadResponse

5.2.19.12 Authenticity evidence read

Operation reads a review authenticity evidence information.

Request

See chapter EntityNonrepudiationReadRequest

Response

See chapter EntityNonrepudiationReadResponse

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5.2.19.13 Review template read

Operation reads a review template information.

Request

See chapter ReviewTemplateReadRequest

Response

See chapter ReviewTemplateReadResponse

5.2.19.14 Review access rights read

Operation reads a review access rights information.

Request

See chapter EntityACLReadRequest

Response

See chapter EntityACLReadResponse

5.2.19.15 Review access right create

Operation creates a review access right.

Request

See chapter EntityACLEntriesCreateRequest

Response

See chapter EntityACLEntriesCreateResponse

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5.2.19.16 Review / Review property access right update

Operation updates a review explicit access right.

Request

See chapter EntityACLEntryUpdateRequest

Response

See chapter EntityACLEntryUpdateRequest

5.2.19.17 Review / Review property access right delete

Operation deletes a review explicit access right.

Request

See chapter EntityACLDeleteEntryRequest

Response

See chapter EntityACLDeleteEntryResponse

5.2.19.18 Review entities transfer

Operation exports a review explicit access right.

Operation exports entities.

Request

See chapter ReviewTransferRequest

Response

See chapter EntityExportResponse

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5.2.20 Deleted / Disposed

Deleted and disposed entities can be read in a stubbed form.

5.2.20.1 Disposed entities read

Operation obtains a collection of entities disposed of during the review process.

Request

See chapter DeletedEntitiesReadRequest

Response

See chapter DeletedEntitiesReadResponse

Example

An example of the disposed entities read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntitiesReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:DisposedEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-27T15:01:37.000Z</Deleted>
        <Description>5-years Regular review</Description>
        <Id>sxzd8whmtwmxyG7ruJ4V7YTKyfWAbluR</Id>
        <Title>Review 5YR</Title>
      </DeletedEntity>
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-28T10:29:31.000Z</Deleted>
        <Description>3-years Regular review</Description>
        <Id>hTH03-xqVSzRU1QOReKRW8xVVd_gHfve</Id>
        <Title>Review MH-3YR</Title>
      </DeletedEntity>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>4</Size>
    </DisposedEntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.20.2 Disposed entity read

Operation reads a disposed entity.

Request

See chapter DisposedEntityReadRequest

Response

See chapter DisposedEntityReadResponse

Example

An example of the disposed entity read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntityReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz</ser:Id>
    </ser:DisposedEntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-28T13:11:04.000Z</Deleted>
        <Description>Regular review 5-years</Description>
        <Id>nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz</Id>
        <Title>Review 18/11/1</Title>
      </DeletedEntity>
    </DisposedEntityReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.20.3 Disposed entity audit log read

Operation reads a disposed entity audit log.

Request

See chapter DeletedEntityReadRequest

Response

See chapter AuditLogReadResponse

Example

An example of the disposed entity audit log read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntityAuditLogReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>urMMVFNpVZCBqIFi1Gx6vPvToHCklbE4</ser:Id>
    </ser:DisposedEntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntityAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="EntityDisposed">
        <Details>Retention policy conflict. No default reason available.</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="PropertyValueChange">
        <Details>Changed properties: sys:Description</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Video_mDMS_Service_v1.docx [_mZv4-vr6KMv0o2X8fpqxAKTCS-zZN_L]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Video_MobileNotes_speaker.voice.request.docx
[_x_bhtkfsk8zQn8JHtpQNkVEVCz63Rkc]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Voice over scenarij za IMiS.docx [_XnbWcS81bAyG1qwbL-JdEtuVhyNOcAH]</Details>
        <User id="admin">
```

```
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Vukman.docx [_ApO5H0m4JMGALWr9zWjmGlATdOd5ojE]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Web Statistics_April 2014.pdf [9cucw3_eWUdqZI_fYQfyN55gS4ZGkFlH]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Web_Profiling a company.docx [9GuzZsqM8cU9uvW2hYdWsrUtLiKDEY-3]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>wScan_analiza.xlsx [994lUnmPuPRuWW3JIBemDVhJBp8YvlGg]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>ZP_ponudba_17_IS, d.o.o..pdf [9un0_TFgGdh6Z2qNGWOeq10S9rGX7LuJ]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>夏天1.pdf [8Cft_HdrsRfVJeiStLS89EmXIgAHvX5o]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Video_mDMS_Service_v1.docx [lb8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
```

```
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>夏天1.pdf [eIqPIVNUDmif9Yy4phovFfYbw1Ho3H_x]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>ZP_ponudba_17_IS, d.o.o..pdf [eW34ZDiUb4d4Eo1duT917_scimIMWs09]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>wScan_analiza.xlsx [ejVh_UeUBsZvY8QZPslJGOR7ziXXIK6g]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Web_Profiling a company.docx [e3QU7We9gil5GIxNtD7ToK0NaG6XttV8]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Web Statistics_April 2014.pdf [kwIzk1cFal3T720vlry33lci01Z6zyT-]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Vukman.docx [kt86OgrwFnTcCr1CeBrz-UlPy-Faaesv]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Voice over scenarij za IMiS.docx [kEpENiS-MFOoyyfj694cet6b1P3j138d]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
```

```
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="ContentPartDelete">
        <Details>Video_MobileNotes_speaker.voice.request.docx
[kd08Z3bRNTIInvPuQtkDp2fsZ6w6nSNn]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="PropertyValueChange">
        <Details>Changed properties: HoursSpent, sys:ver:Comment</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>夏天1.pdf [8Cft_HdrsRfVJeiStLS89EmXIgAHvX5o]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>夏天1.pdf [8Cft_HdrsRfVJeiStLS89EmXIgAHvX5o]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>ZP_ponudba_17_IS, d.o.o..pdf [9un0_TFgGdh6Z2qNGWOeq10S9rGX7LuJ]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>ZP_ponudba_17_IS, d.o.o..pdf [9un0_TFgGdh6Z2qNGWOeq10S9rGX7LuJ]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
```

```
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>wScan_analiza.xlsx [994lUnmPuPRuWW3JIBemDVhJBp8YvlGg]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>wScan_analiza.xlsx [994lUnmPuPRuWW3JIBemDVhJBp8YvlGg]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>Web_Profiling a company.docx [9GuzZsqM8cU9uvW2hYdWsrUtLiKDEY-3]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>Web_Profiling a company.docx [9GuzZsqM8cU9uvW2hYdWsrUtLiKDEY-3]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>Web Statistics_April 2014.pdf [9cucw3_eWUdqZI_fYQfyN55gS4ZGkFlH]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>Web Statistics_April 2014.pdf [9cucw3_eWUdqZI_fYQfyN55gS4ZGkFlH]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>Vukman.docx [_ApO5H0m4JMGALWr9zWjmGlATdOd5ojE]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
```

```
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>Vukman.docx [_ApO5H0m4JMGALWr9zWjmGlATdOd5ojE]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>Voice over scenarij za IMiS.docx [_XnbWcS81bAyG1qwbL-JdEtuVhyNOcAH]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>Voice over scenarij za IMiS.docx [_XnbWcS81bAyG1qwbL-JdEtuVhyNOcAH]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>Video_MobileNotes_speaker.voice.request.docx
[_x_bhtkfsk8zQn8JHtpQNkVEVCz63Rkc]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>Video_MobileNotes_speaker.voice.request.docx
[_x_bhtkfsk8zQn8JHtpQNkVEVCz63Rkc]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartSave">
        <Details>Video_mDMS_Service_v1.docx [_mZv4-vr6KMv0o2X8fpqxAKTCS-zZN_L]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="ContentPartCreate">
        <Details>Video_mDMS_Service_v1.docx [_mZv4-vr6KMv0o2X8fpqxAKTCS-zZN_L]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
```

```
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:13Z" type="EntityCheckIn">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T11:14:04Z" type="EntityCheckOut">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T10:29:31Z"
type="EntityReviewed">
        <Details>Retention policy conflict. No default reason available.</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T10:20:41Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T10:20:41Z" type="PropertyValueChange">
        <Details>Changed properties: Review Trigger</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T10:20:30Z" type="EntityOpenReadWrite">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T09:10:01Z" type="SecurityClassChange">
        <Details>Security Class change occurred from 'Unspecified [0] (Inherited)' to 'Secret
[6684672]'. Reason: .</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
```

```
      <Event computerName="beno" localAddress="169.254.237.238" publicAddress="192.168.80.64"
time="2018-11-28T08:59:18Z" type="EntityOpenReadWrite">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="PropertyValueChange">
        <Details>Changed properties: HoursSpent, sys:Description, sys:Title</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>夏天1.pdf [eIqPIVNUDmif9Yy4phovFfYbw1Ho3H_x]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>夏天1.pdf [eIqPIVNUDmif9Yy4phovFfYbw1Ho3H_x]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>ZP_ponudba_17_IS, d.o.o..pdf [eW34ZDiUb4d4Eo1duT917_scimIMWs09]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>ZP_ponudba_17_IS, d.o.o..pdf [eW34ZDiUb4d4Eo1duT917_scimIMWs09]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>wScan_analiza.xlsx [ejVh_UeUBsZvY8QZPslJGOR7ziXXIK6g]</Details>
```

```
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>wScan_analiza.xlsx [ejVh_UeUBsZvY8QZPslJGOR7ziXXIK6g]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Web_Profiling a company.docx [e3QU7We9gil5GIxNtD7ToK0NaG6XttV8]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Web_Profiling a company.docx [e3QU7We9gil5GIxNtD7ToK0NaG6XttV8]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Web Statistics_April 2014.pdf [kwIzk1cFal3T720vlry33lci01Z6zyT-]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Web Statistics_April 2014.pdf [kwIzk1cFal3T720vlry33lci01Z6zyT-]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Vukman.docx [kt86OgrwFnTcCr1CeBrz-UlPy-Faaesv]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Vukman.docx [kt86OgrwFnTcCr1CeBrz-UlPy-Faaesv]</Details>
        <User id="admin">
```

```
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Voice over scenarij za IMiS.docx [kEpENiS-MFOoyyfj694cet6b1P3j138d]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Voice over scenarij za IMiS.docx [kEpENiS-MFOoyyfj694cet6b1P3j138d]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Video_MobileNotes_speaker.voice.request.docx
[kd08Z3bRNTIInvPuQtkDp2fsZ6w6nSNn]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Video_MobileNotes_speaker.voice.request.docx
[kd08Z3bRNTIInvPuQtkDp2fsZ6w6nSNn]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Video_mDMS_Service_v1.docx [lb8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Video_mDMS_Service_v1.docx [lb8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-28T08:41:12Z" type="EntityCreate">
        <User id="admin">
```

```
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </DisposedEntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.20.4 Deleted entities read

Operation reads deleted entities.

Request

See chapter DeletedEntitiesReadRequest

Response

See chapter DeletedEntitiesReadResponse

Example

An example of the deleted entities read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntitiesReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:DeletedEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response


```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <ClassificationCode>C=05^C=03</ClassificationCode>
        <Container>false</Container>
        <ChildCount>0</ChildCount>
        <Deleted>2018-11-16T14:29:44.000Z</Deleted>
        <Description>temp</Description>
        <Id>h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q</Id>
        <PublicClassificationCode>05.03</PublicClassificationCode>
        <Reason>temp</Reason>
        <Title>Employee Records</Title>
      </DeletedEntity>
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <ClassificationCode>C=06^C=01</ClassificationCode>
        <Container>false</Container>
        <ChildCount>0</ChildCount>
        <Deleted>2018-12-04T08:26:52.000Z</Deleted>
        <Description>IMiS/Scan project</Description>
        <Id>iWvjJbVX3KohUjcYcOrVhYQSHbYPM2bq</Id>
        <PublicClassificationCode>06.01</PublicClassificationCode>
        <Reason>.</Reason>
        <Title>Scan project</Title>
      </DeletedEntity>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>48</Size>
    </DeletedEntitiesReadResponse>
  </S:Body>
</S:Envelope>
```


5.2.20.5 Deleted entity read

Operation reads a deleted entity.

Request

See chapter DeletedEntityReadRequest

Response

See chapter DeletedEntityReadResponse

Example

An example of the deleted entity read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntityReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q</ser:Id>
    </ser:DeletedEntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <ClassificationCode>C=05^C=03</ClassificationCode>
        <Container>false</Container>
        <ChildCount>0</ChildCount>
        <Deleted>2018-11-16T14:29:44.000Z</Deleted>
        <Description>temp</Description>
        <Id>h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q</Id>
        <PublicClassificationCode>05.03</PublicClassificationCode>
        <Reason>temp</Reason>
        <Title>Employee Records</Title>
      </DeletedEntity>
    </DeletedEntityReadResponse>
  </S:Body>
</S:Envelope>
```

5.2.20.6 Deleted entity audit log read

Operation reads a deleted entity audit log.

Request

See chapter DeletedEntityReadRequest

Response

See chapter AuditLogReadResponse

Example

An example of the deleted entity audit log read.

Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntityAuditLogReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>h2gvyyUGPT8QNYlL-N7gZaSnGlWGYd5Q</ser:Id>
    </ser:DeletedEntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntityAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:29:44Z" type="EntityDelete">
        <Details>temp</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:29:44Z" type="PropertyValueChange">
        <Details>Changed properties: sys:Description</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:16:09Z" type="EntityOpenReadWrite">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:10:59Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:10:59Z" type="ACLEntryChange">
        <Details>Added DENY rights for 'sys:Creator': Read: OFF; Write: OFF; Delete: OFF;
Change permissions: OFF; Create entities: OFF; Move: OFF; Change security class: ON; Change
status: ON; Change retention: OFF; Create references: OFF; ValidFrom: 'UNDEFINED' to '2018-10-
31T23:00:00Z'; ValidTo: 'UNDEFINED' to '2018-11-30T22:59:00Z';</Details>
        <User id="admin">
```

```
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:10:11Z" type="EntityOpenReadWrite">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si"
localAddress="2a01:260:4086:1280:ec3f:24a9:b72:3621" publicAddress="192.168.50.15" time="2018-
11-16T14:07:24Z" type="EntityOpenReadWrite">
        <User id="sys:Administrator">
          <FirstName/>
          <LastName>System Administrator</LastName>
          <Email/>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si"
localAddress="2a01:260:4086:1280:ec3f:24a9:b72:3621" publicAddress="192.168.50.15" time="2018-
11-16T14:07:22Z" type="EntitySave">
        <User id="sys:Administrator">
          <FirstName/>
          <LastName>System Administrator</LastName>
          <Email/>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si"
localAddress="2a01:260:4086:1280:ec3f:24a9:b72:3621" publicAddress="192.168.50.15" time="2018-
11-16T14:07:22Z" type="ACLEntryChange">
        <Details>Removed DENY rights for 'sys:Creator': Read: ON; Write: ON; Delete: ON;
Change permissions: ON; Create entities: ON; Move: ON; Change security class: ON; Change
status: ON; Change retention: ON; Create references: ON; ValidFrom: '2018-10-31T23:00:00Z' to
'UNDEFINED'; ValidTo: '2018-11-30T22:59:00Z' to 'UNDEFINED';</Details>
        <User id="sys:Administrator">
          <FirstName/>
          <LastName>System Administrator</LastName>
          <Email/>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si"
localAddress="2a01:260:4086:1280:ec3f:24a9:b72:3621" publicAddress="192.168.50.15" time="2018-
11-16T14:07:00Z" type="EntityOpenReadWrite">
        <User id="sys:Administrator">
          <FirstName/>
          <LastName>System Administrator</LastName>
          <Email/>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si"
localAddress="2a01:260:4086:1280:ec3f:24a9:b72:3621" publicAddress="192.168.50.15" time="2018-
11-16T14:06:40Z" type="EntityOpenReadWrite">
        <User id="sys:Administrator">
          <FirstName/>
          <LastName>System Administrator</LastName>
          <Email/>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:01:53Z" type="EntitySave">
```

```
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T14:01:53Z" type="ACLEntryChange">
        <Details>Added DENY rights for 'sys:Creator': Read: ON; Write: ON; Delete: ON; Change
permissions: ON; Create entities: ON; Move: ON; Change security class: ON; Change status: ON;
Change retention: ON; Create references: ON; ValidFrom: 'UNDEFINED' to '2018-10-31T23:00:00Z';
ValidTo: 'UNDEFINED' to '2018-11-30T22:59:00Z';</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:59:51Z" type="EntityOpenReadWrite">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:59:48Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:59:48Z" type="ACLEntryChange">
        <Details>Added DENY rights for 'kclay': Read: OFF; Write: OFF; Delete: OFF; Change
permissions: OFF; Create entities: ON; Move: OFF; Change security class: OFF; Change status:
OFF; Change retention: OFF; Create references: OFF; ValidFrom: 'UNDEFINED' to '2018-09-
30T22:00:00Z'; ValidTo: 'UNDEFINED' to '2018-12-31T22:59:00Z';</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:59:10Z" type="EntityOpenReadWrite">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:57:28Z" type="EntityOpenReadOnly">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:11:36Z" type="EntityOpenReadWrite">
```

```
        <User id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:11:14Z" type="EntityOpenReadOnly">
        <User id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67" publicAddress="192.168.80.67"
time="2018-11-16T13:09:29Z" type="EntityOpenReadWrite">
        <User id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si" localAddress="192.168.80.51"
publicAddress="192.168.50.15" time="2018-11-15T09:39:32Z" type="EntityOpenReadOnly">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si" localAddress="192.168.80.67"
publicAddress="192.168.50.15" time="2018-11-14T10:00:57Z" type="EntityOpenReadOnly">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="apps01.imis.si" localAddress="192.168.80.67"
publicAddress="192.168.50.15" time="2018-11-14T09:08:15Z" type="EntityOpenReadOnly">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:3cca:8b29:f39:6147" time="2018-11-13T12:27:04Z"
type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:3cca:8b29:f39:6147" time="2018-11-13T12:27:04Z"
type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Title</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
```

```
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:3cca:8b29:f39:6147" time="2018-11-13T12:27:04Z"
type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </DeletedEntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

6 TROUBLESHOOTING

6.1 Problems using IMiS®/Storage Connector Services REST

Bellow, issues frequently encountered when using IMiS®/Storage Connector Services with REST interface are described and instructions for resolving them are given.

6.1.1 Bad authorization

Request

POST https://apps.imis.eu/scsvc/archives/IARC98/session/open.json

```
{
  "authentication" : {
     "username" : "admin",
     "password" : "password"
  }
}
```

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Response

Scheme


```
{
  "error": {
     "message": "javax.security.auth.login.LoginException: User name or password is invalid.",
     "details": " Exception class
com.imis.storageconnector.services.model.exception.ServiceException:
javax.security.auth.login.LoginException: User name or password is invalid.\r\n   at
com.imis.storageconnector.services.app.Archive.getCapabilities(Archive.java:552)\r\n   at
com.imis.storageconnector.services.app.Archive.<init>(Archive.java:398)\r\n   at
com.imis.storageconnector.services.app.BaseApplication.createArchive(BaseApplication.java:81)\
r\n   at
com.imis.storageconnector.services.io.rest.resource.ArchiveResource.sessionOpen(ArchiveResourc
e.java:587)\r\n Caused by: Exception class javax.security.auth.login.LoginException: User name
or password is invalid.\r\n   at
com.imis.imisarc.client.IAServerChannel.authenticateSRP6A(IAServerChannel.java:4476)\r\n   at
com.imis.imisarc.client.IAServerChannel.connectionOpen(IAServerChannel.java:3227)\r\n   at
com.imis.imisarc.client.IASession.authenticate(IASession.java:2041)\r\n   at
com.imis.storageconnector.IASessionPoolManager.getSessionPool(IASessionPoolManager.java:860)\r
\n   at com.imis.storageconnector.imisarchive.Archive.getSessionPool(Archive.java:847)\r\n
at com.imis.storageconnector.imisarchive.Archive.getCapabilities(Archive.java:942)\r\n   at
com.imis.storageconnector.services.app.Archive.getCapabilities(Archive.java:550)\r\n   at
com.imis.storageconnector.services.app.Archive.<init>(Archive.java:398)\r\n   at
com.imis.storageconnector.services.app.BaseApplication.createArchive(BaseApplication.java:81)\
r\n   at
com.imis.storageconnector.services.io.rest.resource.ArchiveResource.sessionOpen(ArchiveResourc
e.java:587)"
  }
}
```


Response status

401 – Bad authorization.

Cause of the problem

The issue could be caused by invalid username or password.

Resolving the problem

Try sending a different username and password again.

6.1.2 Session timeout

Request

GET https://apps.imis.eu/scsvc/archives/IARC98/entities/I:YQM1ixP8TAOZ0Qabg-OSRxLf9mrLAFHJt9YDVRK5xNs/entities.json

Request header

Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0

Response

Scheme

```
{
  "error": {
     "message": "Not authorized"
  }
}
```

Response status

401 - Unauthorized, username and password are incorrect.

Cause of the problem

The issue could be caused by session timeout.

Resolving the problem

Open new session.

6.2 Problems using IMiS®/Storage Connector Services SOAP

Bellow, issues frequently encountered when using IMiS®/Storage Connector Services with SOAP interface are described and instructions for resolving them are given.

6.2.1 Bad authorization

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:SessionOpenRequest>
        <ser:ArchiveId>IARC98</ser:ArchiveId>
           <ser:Authentication>
           <ser:Username>admin</ser:Username>
           <ser:Password>passsword</ser:Password>
        </ser:Authentication>
     </ser:SessionOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

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Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
        <faultcode>S:Server</faultcode>
        <faultstring>javax.security.auth.login.LoginException: User name or password is
invalid.</faultstring>
        <detail>
           <SystemFault:SystemFault xmlns="http://www.imis.si/storageconnector/services"
xmlns:SystemFault="http://www.imis.si/storageconnector/services">
              <Code>500</Code>
              <Message>Exception class
com.imis.storageconnector.services.model.exception.ServiceException:
javax.security.auth.login.LoginException: User name or password is invalid.
  at com.imis.storageconnector.services.app.Archive.getCapabilities(Archive.java:552)
  at com.imis.storageconnector.services.app.Archive.&lt;init>(Archive.java:398)
  at
com.imis.storageconnector.services.app.BaseApplication.createArchive(BaseApplication.java:81)
  at
com.imis.storageconnector.services.io.soap.StorageConnectorService.sessionOpen(StorageConnecto
rService.java:148)
 Caused by: Exception class javax.security.auth.login.LoginException: User name or password is
invalid.
  at com.imis.imisarc.client.IAServerChannel.authenticateSRP6A(IAServerChannel.java:4476)
  at com.imis.imisarc.client.IAServerChannel.connectionOpen(IAServerChannel.java:3227)
  at com.imis.imisarc.client.IASession.authenticate(IASession.java:2041)
  at
com.imis.storageconnector.IASessionPoolManager.getSessionPool(IASessionPoolManager.java:860)
  at com.imis.storageconnector.imisarchive.Archive.getSessionPool(Archive.java:847)
  at com.imis.storageconnector.imisarchive.Archive.getCapabilities(Archive.java:942)
  at com.imis.storageconnector.services.app.Archive.getCapabilities(Archive.java:550)
  at com.imis.storageconnector.services.app.Archive.&lt;init>(Archive.java:398)
  at
com.imis.storageconnector.services.app.BaseApplication.createArchive(BaseApplication.java:81)
  at
com.imis.storageconnector.services.io.soap.StorageConnectorService.sessionOpen(StorageConnecto
rService.java:148)</Message>
           </SystemFault:SystemFault>
        </detail>
     </S:Fault>
  </S:Body>
</S:Envelope>
```

Cause of the problem

The issue is caused by invalid username or password.

Resolving the problem

Send a different username and password again.

6.2.2 Session timeout

Request

Scheme

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
     <ser:EntitiesReadRequest>
        <ser:SessionToken>16028aa2-c020-4b18-97fd-addef2c25df8</ser:SessionToken>
     </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

Scheme

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
     <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
        <faultcode>S:Server</faultcode>
        <faultstring>Not authorized</faultstring>
        <detail>
           <AuthenticationFault:AuthenticationFault
xmlns="http://www.imis.si/storageconnector/services"
xmlns:AuthenticationFault="http://www.imis.si/storageconnector/services">
              <Code>401</Code>
              <Message>Not authorized</Message>
           </AuthenticationFault:AuthenticationFault>
        </detail>
     </S:Fault>
  </S:Body>
</S:Envelope>
```

Cause of the problem

The issue is caused by session timeout.

Resolving the problem

Open new session.

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