



## IMiS®/StorageConnector Services Manual

Version 1.1.1705

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# 1 INTRODUCTION

## 1.1 About this guide

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

## 1.2 Target audience

This IMiS®/StorageConnector Services manual is intended for administrators and application developers with adequate prior knowledge who require information about installing, configuring and administering the IMiS®/StorageConnector 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®/StorageConnector interface, which is a part of the *Developer Edition* installation package.

# 2 GENERAL

IMiS®/StorageConnector Services provides 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®/StorageConnector 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.

IMiS®/StorageConnector Services API is a service layer of IMiS®/StorageConnector, 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 below. 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 (eg. 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 (eg. IMiS®/mClient) or external clients (eg. IMiS®/wClient). While REST API is based on open standards, you can use any web development language to access the API.

IMiS®/StorageConnector Services is open to different APIs as well.

We plan to support CMIS API, to access CMIS-compliant content and metadata repositories (eg. IMiS®/ARChive Server) from different ECMs, and access 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.

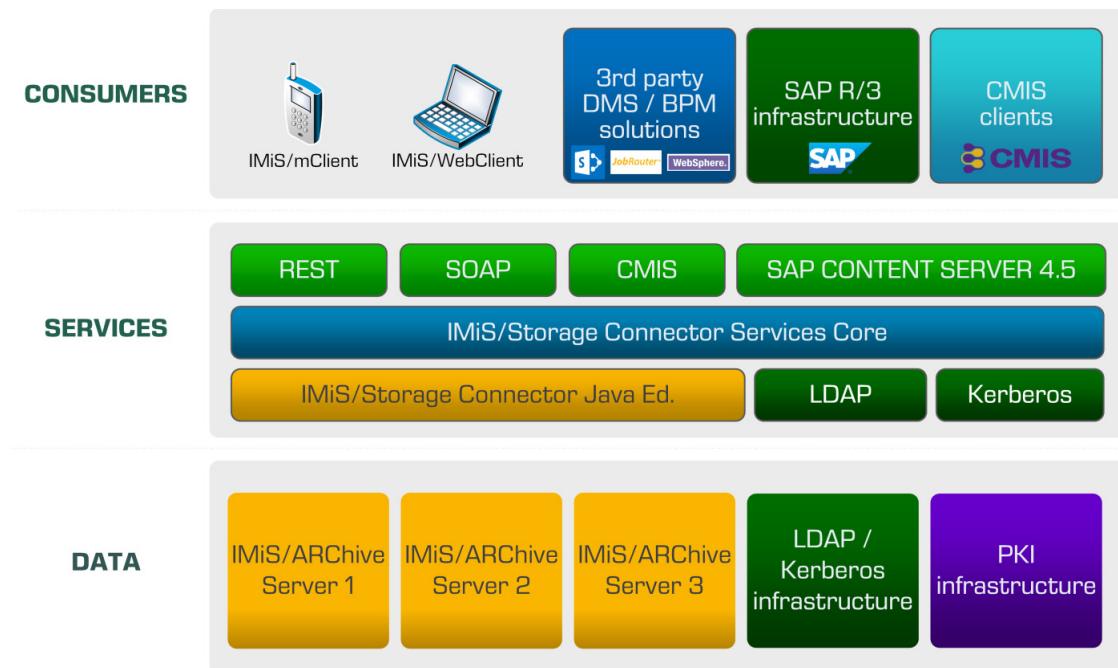


Image 1: IMiS®/StorageConnector Services architecture

## 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®/StorageConnector 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 (see [chapter 4.1.2 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®/StorageConnector Services presents itself to the remote service.

More detailed information on Kerberos authentication you can find in the [chapter 3.8.5.3 Kerberos od IMiS®/ARCHive Server Manual](#).

## 2.3 Use in SOA architecture

IMiS®/StorageConnector 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.9.1.1704.100.war*

The scheme consists of the name of the IMiS®/StorageConnector 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.

- 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 March 2017 will read 1703.*
- 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®/StorageConnector 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®/StorageConnector Services.

Minimum and recommended requirements are listed below.

#### 3.1.1 Minimum requirements

Minimum requirements for IMiS®/StorageConnector 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).

**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\_121,
- Apache Tomcat 8.5.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>

## 4 ADMINISTRATION

The IMiS®/Storage Connector Services interface can be administered by administrators and/or application developers. Administration encompasses installation, start up, 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="IARC96"
      defaultEntityIdType="ID256"
      host="iarc96.imis.si"
      port="16807"
      name="iarc96.imis.si"
      description="Lorem ipsum dolor sit amet, consectetur"
      idleTimeout="3600000" />
    <storage
      id="IARC97"
      defaultEntityIdType="ID256"
      name="iarc97.imis.si"
      description="Lorem ipsum dolor sit amet, consectetur"
      host="iarc97.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).

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	The number of entity collection pages. (optional).
entityCollectionPageSize	Integer	The size of the entity collection page (optional).

## 4.2 Start up and shut down

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

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

## 4.3 Upgrading

If an administrator would like to upgrade a past version of the IMiS®/StorageConnector 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 and complete the following steps.:

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.

## 4.4 Removal

Before removal the IMiS®/StorageConnector 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.

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.

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 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.

## 5.1.1 Operations

All supported REST operations are described below.

```
GET archives.json
GET archives/{archiveld}.json
GET archives/{archiveld}/directory.json
GET archives/{archiveld}/directory/{id}.json
GET archives/{archiveld}/directory/{id}/members.json
GET archives/{archiveld}/disposition_holds.json
GET archives/{archiveld}/disposition_holds/{id}.json
GET archives/{archiveld}/disposition_holds/{id}/audit_log.json
GET archives/{archiveld}/entities.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/acl.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/audit_log.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/close.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/edit.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/entities.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/nonrepudiation.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/objects.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{objectId}
GET archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{objectId}.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/open.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/search.json
GET archives/{archiveld}/entities/{entityIdKind}:{id}/stub.json
GET archives/{archiveld}/retention_policies.json
GET archives/{archiveld}/retention_policies/{id}.json
GET archives/{archiveld}/retention_policies/{id}/audit_log.json
GET archives/{archiveld}/retention_policies/{id}/objects.json
GET archives/{archiveld}/retention_policies/{id}/objects/{objectId}
GET archives/{archiveld}/retention_policies/{id}/objects/{objectId}.json
GET archives/{archiveld}/search.json
GET archives/{archiveld}/templates.json
GET archives/{archiveld}/templates/{id}.json

POST archives/{archiveld}.json
POST archives/{archiveld}/entities/{entityIdKind}:{id}.json
POST archives/{archiveld}/entities/{entityIdKind}:{id}/acl.json
POST archives/{archiveld}/entities/{entityIdKind}:{id}/objects
POST archives/{archiveld}/entities/{entityIdKind}:{id}/retention/policies.json
POST archives/{archiveld}/entities/{entityIdKind}:{id}/retention/disposition_holds.json
POST archives/{archiveld}/session/close.json
POST archives/{archiveld}/session/open.json
```

```

PUT archives/{archiveld}/entities/{entityIdKind}:{id}.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/acl/{directoryEntityId}.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/acl/{propertyName}/{directoryEntityId}.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/move.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/move/{entityIdKind}:{parentId}.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{id}
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/retention/policies/{idRetentionPolicy}.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/status.json
PUT archives/{archiveld}/entities/{entityIdKind}:{id}/security_class.json

DELETE archives/{archiveld}/entities/{entityIdKind}:{id}.json
DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/acl/{directoryEntityId}.json
DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/acl/{propertyName}/{directoryEntityId}.json
DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{id}.json
DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/retention/disposition_holds/{idDispositionHold}.json
DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/retention/policies/{idRetentionPolicy}.json

```

## 5.1.2 Types

All supported REST objects in JSON format are described below.

### 5.1.2.1 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.

### 5.1.2.2 ArchiveCapabilities

Object provides information about the user roles.

*Definition*

```
{
  "audit_query" : true,
  "import_export" : false,
  "reports" : false,
  "review" : false
}
```

*Fields*

audit_query	Boolean	Allows access to the audit log.
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.
review	Boolean	The role displays the reviews in the review process.

### 5.1.2.3 ArchiveResponse

Object provides information on archive server.

*Definition*

```
{
  "capabilities" : {
    "audit_query" : true,
    "import_export" : false,
    "reports" : false,
    "review" : false
  },
  "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"
    }
  ],
  "host" : "String",
  "name" : "String",
  "description" : "String"
}
```

**Fields**

capabilities	<a href="#">ArchiveCapabilities</a>	The information on user roles.
links	<a href="#">Link []</a>	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.
host	String	The address of the archive server.
name	String	The name of the archive server.
description	String	A description of the archive server.

**5.1.2.4 ArchivesResponse**

Object provides information on archive servers.

*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	<a href="#">Archive []</a>	Archive servers.
----------	----------------------------	------------------

**5.1.2.5 AuditLog**

Object provides information on audit log events.

*Definition*

```
{
  "events" : [
    {
      "time" : "String - DateTime",
      "public_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/ENTITY_DELETE/AUDIT_LOG_QUERY/CONFIGURATION_CHANGE/PROPERTY_VALUE_CHANGE/ACL_ENTRY_CHANGE/PHYSI
    }
  ]
}
```

```
CAL_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_METADATA_CHANGE/ENTITY_DISPOSED/ENTITY_PERMANENT/ENTITY_TRANSFERRED/ENTITY_REVIED",
    "details" : "String",
    "user" : {
        "id" : "String",
        "uri" : "String"
    }
}
]
```

**Fields**

events	<a href="#">AuditLogEvent</a> []	Audit log events.
--------	----------------------------------	-------------------

**5.1.2.6 AuditLogEvent**

Object provides information about the audit log event.

*Definition*

```
{
    "time" : "String - DateTime",
    "public_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/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_METADATA_CHANGE/ENTITY_DISPOSED/ENTITY_PERMANENT/ENTITY_TRANSFERRED/ENTITY_REVIED",
    "details" : "String",
    "user" : {
        "id" : "String",
        "uri" : "String"
    }
}
```

**Fields**

time	<a href="#">String - DateTime</a>	Date and time of the event.
public_address	String	External IP address.
local_address	String	Internal IP address.
computer_name	String	The name of the device.
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",

		<ul style="list-style-type: none"> <li>- "PROPERTY_VALUE_CHANGE",</li> <li>- "ACL_ENTRY_CHANGE",</li> <li>- "PHYSICAL_ENTITY_CHANGE",</li> <li>- "SECURITY_CLASS_CHANGE",</li> <li>- "STATUS_CHANGE",</li> <li>- "RETENTION_CHANGE",</li> <li>- "CONTENT_PART_OPEN_READ_ONLY",</li> <li>- "CONTENT_PART_OPEN_READ_WRITE",</li> <li>- "CONTENT_PART_CREATE",</li> <li>- "CONTENT_PART_DELETE",</li> <li>- "CONTENT_PART_SAVE",</li> <li>- "CONTENT_PART_METADATA_CHANGE",</li> <li>- "ENTITY_DISPOSED",</li> <li>- "ENTITY_PERMANENT",</li> <li>- "ENTITY_TRANSFERRED",</li> <li>- "ENTITY_REVIEWED".</li> </ul>
details	String	A detailed description of the event (optional).
user	<a href="#">ObjectLink</a>	User who carried out the event.

### 5.1.2.7 Authentication

Object provides authentication information.

*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).

### 5.1.2.8 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",
    "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.
members	<a href="#">ObjectLink</a>	Link to the members of the directory entity group (optional).

**5.1.2.9 DirectoryEntitiesResponse**

Object provides information on directory entities.

*Definition*

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

*Fields*

directory_entities	<a href="#">DirectoryEntity</a> []	Directory entities.
--------------------	------------------------------------	---------------------

**5.1.2.10 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",
    "members" : { // Optional
        "id" : "String",
        "uri" : "String - URI"
    }
}

```

*Fields*

directory_entity	<a href="#">DirectoryEntity</a>	Directory entity.
------------------	---------------------------------	-------------------

**5.1.2.11 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	<a href="#">String - DateTime</a>	Date and time of the disposition hold access.
created	<a href="#">String - DateTime</a>	Date and time of the disposition hold creation.
modified	<a href="#">String - DateTime</a>	Date and time of the disposition hold change.
description	String	A description of the disposition holds.
id	String	Unique identifier of the disposition holds.
name	String	The name of the disposition holds.
reason	String	The reason for disposition holds creation.
creator	<a href="#">ObjectLink</a>	The author of the disposition holds.

**5.1.2.12 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	<a href="#">DispositionHold</a>	Entity disposition hold.
------------------	---------------------------------	--------------------------

**5.1.2.13 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	<a href="#">DispositionHold</a> []	Entity disposition holds.
-------------------	------------------------------------	---------------------------

**5.1.2.14 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	<a href="#">String - DateTime</a>	Date and time email was 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.

**5.1.2.15 EntitiesResponse**

Object provides entities public information.

*Definition*

```
{
  "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",
      "description" : "String"
    }
  ]
}
```

**Fields**

entities	<a href="#">EntityStub</a> []	Entities. Fields <i>id</i> , <i>title</i> , <i>description</i> , <i>classification_code</i> , <i>public_classification_code</i> and <i>type</i> are always present.
----------	-------------------------------	---

**5.1.2.16 Entity**

Object provides entity information.

*Definition*

```
{
  "links" : [
    {
      "type" : "entity:acl",
      "uri" : "String - URI"
    },
    {
      "type" : "entity:audit_log",
      "uri" : "String - URI"
    },
    {
      "type" : "entity:content",
      "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",
"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	<a href="#">Link []</a>	Links to the entity. The set of links: <ul style="list-style-type: none"> <li>- "entity:acl": Link to the entity access rights.</li> <li>- "entity:audit_log": Link to the entity audit log.</li> <li>- "nonrepudiation": Link to the entity authenticity and integrity proofs.</li> <li>- "objects": Link to the entity objects.</li> <li>- "search": Link to the entity search.</li> <li>- "parent": Link to the parent entity.</li> </ul>
-------	-------------------------	---

		<ul style="list-style-type: none"> <li>- "entity:stub": Link to the entity information.</li> <li>- "entity#edit": Link to the entity edit action.</li> <li>- "entity#delete": Link to the entity delete action.</li> <li>- "entity:status#edit": Link to the entity status edit action.</li> <li>- "entity:security_class#edit": Link to the entity security class edit action.</li> <li>- "entity#move": Link to the entity move action.</li> </ul>
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	<a href="#">String - DateTime</a>	Date and time of the entity creation.
accessed	<a href="#">String - DateTime</a>	Date and time of the entity access.
modified	<a href="#">String - DateTime</a>	Date and time of the entity change.
closed	<a href="#">String - DateTime</a>	Date and time of the entity status change to Closed.
opened	<a href="#">String - DateTime</a>	Date and time of the entity status change to Opened.
creator	<a href="#">ObjectLink</a>	The author of the entity.
owner	<a href="#">ObjectLink</a>	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.
security_class	<a href="#">InheritedStringProperty</a>	The security class of the entity.
significance	<a href="#">InheritedStringProperty</a>	The significance of the entity.
status	<a href="#">InheritedStringProperty</a>	The status of the entity.
title	String	The title of the entity.
template	<a href="#">ObjectLink</a>	The template type.
sub_entities_templates	<a href="#">ObjectLink []</a>	Templates for sub-entities creation.
permanent	Boolean	The permanent entity.
child_count	Int	The number of child entities.
effective_rights	<a href="#">EntityRights</a>	Effective rights of current user on the entity.
properties	<a href="#">EntityProperty []</a>	Entity properties.

retention	<a href="#">EntityRetention</a>	Retention policies and disposition holds.
child_classification_code_generated	Boolean	Child classification code generation. Valid for entities type CLASS only.
email_properties	<a href="#">EmailProperties</a>	Email properties.
physical_properties	<a href="#">PhysicalProperties</a>	Physical content properties.

### 5.1.2.17 EntityACL

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

*Definition*

```
{
  "entries" : [
    {
      "links" : [
        {
          "type" : "entity:acl:entry#edit",
          "uri" : "String - URI"
        },
        {
          "type" : "entity:acl:entry#delete",
          "uri" : "String - URI"
        }
      ],
      "directory_entity" : {
        "id" : "String",
        "uri" : "String - URI"
      },
      "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,
      },
      "explicit_allow_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,
        "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,
        "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,
    "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,
    "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" : [
        {
            "links" : [
                {
                    "type" : "entity:acl:property_entry#edit",
                    "uri" : "String - URI"
                },
                {
                    "type" : "entity:acl:property_entry#delete",
                    "uri" : "String - URI"
                }
            ],
            "directory_entity" : {
                "id" : "String",
                "uri" : "String - URI"
            },
            "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*

entries	<a href="#">EntityACLEntry []</a>	The right to access the entity.
property_entries	<a href="#">EntityPropertyACL []</a>	The right to access the entity property.

**5.1.2.18 EntityACLCREATE**

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

*Definition*

```

{
    "entries" : [{ // Optional
        "directory_entity_id" : "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
            "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
        }
    }
],
    "property_entries" : [{ // Optional
        "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

<code>entries</code>	<a href="#">EntityACLEntryCreate</a> []	The right to create the entity.
<code>property_entries</code>	<a href="#">EntityPropertyACLCREATE</a> []	The right to create the entity property.

### 5.1.2.19 EntityACLEntry

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

#### Definition

```

{
    "links" : [
        {
            "type" : "entity:acl:entry#edit",
            "uri" : "String - URI"
        },
        {
            "type" : "entity:acl:entry#delete",
            "uri" : "String - URI"
        }
    ],
    "directory_entity" : {
        "id" : "String",
        "uri" : "String - URI"
    },
    "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
    },
    "explicit_allow_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,
        "valid_from" : "String - DateTime", // Optional
        "valid_to" : "String - DateTime" // Optional
    },
    "explicit_deny_rights" : { // Optional
        "read_access" : true,
        "write_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", // 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,
    "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,
    "change_security_class" : true,
    "change_status" : true,
    "change_retention" : true,
    "valid_from" : "String - DateTime", // Optional
    "valid_to" : "String - DateTime" // Optional
  }
}

```

### Fields

links	<a href="#">Link []</a>	Links on the entity. The set of links: - "entity:acl:entry#edit": Link to the entity access right edit action. - "entity:acl:entry#delete": Link to the entity access right delete action.
directory_entity	<a href="#">ObjectLink</a>	Link to the user or group.
effective_rights	<a href="#">EntityRights</a>	Effective rights of the entity.
explicit_allow_rights	<a href="#">EntityRights</a>	Explicit allow rights to access the entity (optional).
explicit_deny_rights	<a href="#">EntityRights</a>	Explicit deny rights to access the entity (optional).
inherited_allow_rights	<a href="#">EntityRights</a>	Inherited allow rights to access the entity (optional).
inherited_deny_rights	<a href="#">EntityRights</a>	Inherited deny rights to access the entity (optional).

### 5.1.2.20 EntityACLEntryRequest

Object provides 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	<a href="#">EntityACLEntryUpdate</a>	Explicit allow and deny rights to update the entity.
------------------	--------------------------------------	--

### 5.1.2.21 EntityACLRequest

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

*Definition*

```
{
  "acl" : {
    "entries" : [{} // Optional
      "directory_entity_id" : "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
        "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
    }
}
]
"property_entries" : [{ // Optional
    "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

acl	<a href="#">EntityACLCreate</a>	The explicit right to create entity and entity properties.
-----	---------------------------------	--

### 5.1.2.22 EntityACLResponse

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

#### Definition

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

#### Fields

acl	<a href="#">EntityACL</a>	The right to access the entity and entity properties.
-----	---------------------------	---

### 5.1.2.23 EntityACLEntryCreate

Object creates the explicit access rights of the entity.

*Definition*

```
{
  "directory_entity_id" : "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
    "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*

directory_entity_id	String	Unique identifier of the directory entity.
explicit_allow_rights	<a href="#">EntityRights</a>	Explicit allow rights to access the entity (optional).
explicit_deny_rights	<a href="#">EntityRights</a>	Explicit deny rights to access the entity (optional).

### 5.1.2.24 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	<a href="#">EntityRights</a>	Explicit allow rights to access the entity (optional).
explicit_deny_rights	<a href="#">EntityRights</a>	Explicit deny rights to access the entity (optional).

**5.1.2.25 EntityACLEntryResponse**

Object provides response to the entity access rights information request.

*Definition*

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

*Fields*

entity_acl_entry	<a href="#">EntityACLEntry</a>	Explicit and inherited access right to the entity and entity properties.
------------------	--------------------------------	--

**5.1.2.26 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	<a href="#">InheritedStringProperty</a>	The status of the entity (optional).
security_class	<a href="#">InheritedStringProperty</a>	The security class of the entity (optional).
child_classification_code_generated	Boolean	Child classification code generation. Valid for entities type CLASS only (see <i>template</i> ).
description	String	A description of the entity. (optional)
owner	String	The owner of the entity (optional).

significance	<a href="#">InheritedStringProperty</a>	The significance of the entity (optional).
external_ids	String []	External identifier of the entity.
keywords	String []	Keywords of the entity.
properties	<a href="#">EntityPropertyUpdate</a> []	Entity properties.
retention	<a href="#">EntityRetentionCreate</a>	Retention policies and disposition holds.
email_properties	<a href="#">EmailProperties</a>	Email properties.
physical_properties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties.

### 5.1.2.27 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",
  "description" : "String",
  "home_location" : "String",
  "id" : "String",
  "return_due" : "String - Date",
  "status" : "String"
}
}
}
}

```

*Fields*

entity_create	<a href="#">EntityCreate</a>	Entity creation.
---------------	------------------------------	------------------

**5.1.2.28 EntityMoveRequest**

Object provides request to move the entity.

*Definition*

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

*Fields*

reason	String	The reason for the entity move.
--------	--------	---------------------------------

**5.1.2.29 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).

**5.1.2.30 EntityNonrepudiationResponse**

Object provides response to the entity authenticity and integrity proofs (AIP and ERS) information request.

*Definition*

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

*Fields*

nonrepudiation	<a href="#">EntityNonrepudiation</a>	Entity authenticity and integrity proofs (AIP and ERS).
----------------	--------------------------------------	---

**5.1.2.31 EntityOpenResponse**

Object provides response to the entity open information request.

*Definition*

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

*Fields*

handle	String	Temporary identifier of the open entity.
--------	--------	--

**5.1.2.32 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"
    }
}

```

**Fields**

<b>id</b>	String	Unique name of the entity property.
<b>description</b>	String	A description of the entity property.
<b>type</b>	String	Entity property type.
<b>options</b>	<a href="#">PropertyOptions</a>	Entity property options.
<b>values</b>	T	The attribute property value. The value is dynamic.
<b>effective_rights</b>	<a href="#">PropertyRights</a>	Effective entity property access rights (optional).

**5.1.2.33 EntityPropertyACL**

Object provides information on entity property access rights.

*Definition*

```

{
    "property_id" : "String",
    "entries" : [
        {
            "links" : [
                {
                    "type" : "entity:acl:property_entry#edit",
                    "uri" : "String - URI"
                },
                {
                    "type" : "entity:acl:property_entry#delete",
                    "uri" : "String - URI"
                }
            ],
            "directory_entity" : {
                "id" : "String",
                "uri" : "String - URI"
            },
            "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	<a href="#">EntityPropertyACLEntry</a> []	Entity property access right.

**5.1.2.34 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	<a href="#">EntityPropertyACLEntryCreate</a> []	The right to create entity property.

### 5.1.2.35 EntityPropertyACLEntry

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

#### *Definition*

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

links	<a href="#">Link []</a>	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	<a href="#">PropertyRights</a>	Directory entity effective rights to access the entity property.
explicit_allow_rights	<a href="#">PropertyRights</a>	Explicit allow rights to access entity property (optional).
explicit_deny_rights	<a href="#">PropertyRights</a>	Explicit deny rights to access entity property (optional).
inherited_allow_rights	<a href="#">PropertyRights</a>	Inherited allow rights to access entity property (optional).
inherited_deny_rights	<a href="#">PropertyRights</a>	Inherited deny rights to access entity property (optional).

### 5.1.2.36 EntityPropertyACLEntryResponse

Object provides response to the entity property explicit and inherited access rights information request.

#### Definition

```
{
  "property_acl_entry" : {
    "links" : [{ // Optional
      "type" : "entity:acl:property_entry#edit",
      "uri" : "String - URI"
    }, { // Optional
      "type" : "entity:acl:property_entry#delete",
      "uri" : "String - URI"
    }
  ],
  "directory_entity" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "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	<a href="#">EntityPropertyACLEntry</a>	The right to access the entity property.
--------------------	--	--

### 5.1.2.37 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	<a href="#">EntityPropertyACLEntryUpdate</a>	The right to update the entity property.
--------------------	--	--

### 5.1.2.38 EntityPropertyACLEntryCreate

Object creates an entity property access rights.

*Definition*

```
{
  "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*

directory_entity_id	String	Unique identifier of the directory entity.
explicit_allow_rights	<a href="#">PropertyRights</a>	Explicit allow rights to access entity property.
explicit_deny_rights	<a href="#">PropertyRights</a>	Explicit deny rights to access entity property.

### 5.1.2.39 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	<a href="#">PropertyRights</a>	Explicit allow rights to update entity property.
explicit_deny_rights	<a href="#">PropertyRights</a>	Explicit deny rights to update entity property..

### 5.1.2.40 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.

### 5.1.2.41 EntityResponse

Object provides entity information.

*Definition*

```
{
  "entity" : {
  }
}
```

*Fields*

entity	<a href="#">Entity</a>	Entity information.
--------	------------------------	---------------------

### 5.1.2.42 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	<a href="#">EntityRetentionPolicyEntry</a> []	Entity retention policies.
disposition_holds	<a href="#">EntityRetentionDispositionHoldEntry</a> []	Entity disposition holds.

### 5.1.2.43 EntityRetentionCreate

Object creates the entity retention policies and disposition holds.

*Definition*

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

*Fields*

policies	<a href="#">EntityRetentionPolicyEntryCreate []</a>	Entity retention policies.
disposition_holds	<a href="#">EntityRetentionDispositionHoldCreate []</a>	Entity disposition holds.

### 5.1.2.44 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 <i>name</i> is defined).
name	String	The name of the entity disposition hold (optional if field <i>id<!--</i--> is defined).</i>

### 5.1.2.45 EntityRetentionDispositionHoldEntry

Object provides information on entity disposition hold.

*Definition*

```
{
  "id" : "String",
  "uri" : "String - URI",
  "name" : "String",
  "description" : "String",
  "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.
links	<a href="#">Link []</a>	Links on disposition hold. The set of links: - "disposition_hold#delete": Link to the entity disposition hold delete action.

### 5.1.2.46 EntityRetentionDispositionHoldsRequest

Object provides request to the entity disposition holds.

*Definition*

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

*Fields*

disposition_holds	<a href="#">EntityRetentionDispositionHoldCreate</a> []	Entity disposition holds.
-------------------	---	---------------------------

### 5.1.2.47 EntityRetentionDispositionHoldsResponse

Object provides response to the entity disposition holds information request.

*Definition*

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

*Fields*

disposition_holds	<a href="#">EntityRetentionDispositionHoldEntry</a> []	Entity disposition holds.
-------------------	--	---------------------------

### 5.1.2.48 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	<a href="#">EntityRetentionPolicyEntryCreate</a> []	Entity retention policies.
--------------------	---	----------------------------

### 5.1.2.49 EntityRetentionPoliciesResponse

Object provides response to the entity retention policies information request.

*Definition*

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

*Fields*

retention_policies	<a href="#">EntityRetentionPolicyEntry</a> []	Entity retention policies.
--------------------	---	----------------------------

### 5.1.2.50 EntityRetentionPolicyContext

Object provides information on entity retention policy context.

*Definition*

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

*Fields*

scope	String	Scope of the entity explicit retention policy. The set of values: - ALLOW, - DENY.
filter	<a href="#">EntityRetentionPolicyContextFilter</a>	Entity types that apply to the retention policy.
effective	Boolean	Entity effective retention policy.

### 5.1.2.51 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.

### 5.1.2.52 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.
description	String	A description of the entity retention policy.
explicit_context	<a href="#">EntityRetentionPolicyContext</a>	Explicit context of the retention policy.
inherited_context	<a href="#">EntityRetentionPolicyContext</a> []	Inherited context of the retention policy.
links	<a href="#">Link</a> []	Links to the entity retention policy. The set of links: - "retention_policy#edit": Link to the entity retention policy edit action. - "retention_policy#delete": Link to the entity retention policy delete action.

### 5.1.2.53 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	<a href="#">EntityRetentionPolicyContextFilter</a>	Entity types that apply to the retention policy.
scope	String	Scope of the entity retention policy. The set of values: - ALLOW, - DENY.

### 5.1.2.54 EntityRetentionPolicyEntryUpdate

Object updates an entity retention policy.

*Definition*

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

*Fields*

filter	<a href="#">EntityRetentionPolicyContextFilter</a>	Entity types that apply to the retention policy.
scope	String	The scope of the entity retention policy context. The set of values: - ALLOW, - DENY.

### 5.1.2.55 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	<a href="#">EntityRetentionPolicyEntryUpdate</a>	Entity retention policy.
------------------	--	--------------------------

### 5.1.2.56 EntityRetentionPolicyEntryResponse

Object provides response to the entity retention policy request.

*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	<a href="#">EntityRetentionPolicyEntry</a>	Entity retention policy.
------------------	--	--------------------------

### 5.1.2.57 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"
}
```

*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 the entity retention policies and disposition holds.
valid_from	<a href="#">String - DateTime</a>	The validity of the access rights from a given date and time (optional).
valid_to	<a href="#">String - DateTime</a>	The validity of the access rights until a given date and time (optional).

### 5.1.2.58 EntityStatusUpdateRequest

Object provides request to update the entity status.

*Definition*

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

*Fields*

status	<a href="#">InheritedStringProperty</a>	The status value.
reason	String	The reason for status change.

**5.1.2.59 EntityStatusUpdateResponse**

Object provides response to the entity status update.

*Definition*

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

*Fields*

status	<a href="#">InheritedStringProperty</a>	Status value.
--------	---	---------------

**5.1.2.60 EntitySecurityClassUpdateRequest**

Object provides request to update the entity security class.

*Definition*

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

*Fields*

security_class	<a href="#">InheritedStringProperty</a>	Value of the security class.
reason	String	The reason for security class update.

**5.1.2.61 EntitySecurityClassUpdateResponse**

Object provides response to the entity security class update.

*Definition*

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

*Fields*

security_class	<a href="#">InheritedStringProperty</a>	Value of the security class.
----------------	---	------------------------------

### 5.1.2.62 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"  
    }, {  
        "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",  
    "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,  
        "id" : "String",  
        "uri" : "String - URI"  
    },  
    "parent" : {  
        "id" : "String",  
        "uri" : "String - URI"  
    },  
    "children" : [  
        {  
            "id" : "String",  
            "uri" : "String - URI"  
        }  
    ]  
}
```

```
        "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" : [
        {
            "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,
                "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	<a href="#">Link []</a>	Links to the entity. The set of links: <ul style="list-style-type: none"><li>- "entity:acl": Link to the entity access rights.</li><li>- "entity:audit_log": Link to the entity audit log.</li><li>- "nonrepudiation": Link to the entity authenticity and integrity proofs.</li><li>- "objects": Link to the entity objects.</li><li>- "search": Link to the entity search.</li><li>- "parent": Link to the parent entity.</li><li>- "entity#edit": Link to the entity edit action.</li><li>- "entity#delete": Link to the entity delete action.</li><li>- "entity:status#edit": Link to the entity status edit action.</li><li>- "entity:security_class#edit": Link to the entity security class edit action.</li><li>- "entity#move": Link to the entity move action.</li><li>- "entity".</li></ul>
-------	-------------------------	--

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	<a href="#">String - DateTime</a>	Date and time of the entity creation.
accessed	<a href="#">String - DateTime</a>	Date and time of the entity access.
modified	<a href="#">String - DateTime</a>	Date and time of the entity change.
closed	<a href="#">String - DateTime</a>	Date and time of the entity status change to Closed.
opened	<a href="#">String - DateTime</a>	Date and time of the entity status change to Opened.
creator	<a href="#">ObjectLink</a>	The author of the entity.
owner	<a href="#">ObjectLink</a>	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.
security_class	<a href="#">InheritedStringProperty</a>	The security class of the entity.
significance	<a href="#">InheritedStringProperty</a>	The significance of the entity.
status	<a href="#">InheritedStringProperty</a>	The status of the entity.
title	String	The title of the entity.
template	<a href="#">ObjectLink</a>	Template type.
sub_entity_templates	<a href="#">ObjectLink []</a>	Templates for sub-entities creation.
permanent	Boolean	Permanent entity.
child_count	Int	Number of child entities.
effective_rights	<a href="#">EntityRights</a>	Effective rights of current user on the entity.
properties	<a href="#">EntityProperty []</a>	Entity properties.
retention	<a href="#">EntityRetention</a>	Retention policies and disposition holds.

### 5.1.2.63 EntityStubResponse

Object provides response to the public entity information request.

*Definition*

```
{
  "entity_stub" : {
    "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#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"
      },
      {
        "type" : "entity",
        "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",
    "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" : {
      "id" : "String"
    }
  }
}
```

```
        "inherited" : true,
        "value" : "String"
    },
    "significance" : {
        "inherited" : true,
        "value" : "String"
    },
    "status" : {
        "inherited" : true,
        "value" : "String"
    },
    "title" : "String",
    "template" : {
        "id" : "String",
        "uri" : "String - URI"
    },
    "sub_entity_templates" : [
        {
            "id" : "String",
            "uri" : "String - URI"
        }
    ],
    "parent_id" : "String",
    "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" : true,
                "multi_value" : false,
                "non_empty" : false,
                "pick_list" : false,
                "public" : true,
                "read_only" : 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",
                    "value" : "String"
                }
            }
        ]
    }
}
```

```
        "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

entity_stub	<a href="#">EntityStub</a>	Public entity information.
-------------	----------------------------	----------------------------

### 5.1.2.64 EntityUpdate

Object updates the entity.

#### Definition

```
{
    "title" : "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]
    }
],
"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

<code>title</code>	<code>String</code>	The title of the entity (optional).
<code>child_classification_code_generated</code>	<code>Boolean</code>	Child classification code generation (optional). Valid for entities type CLASS only.
<code>description</code>	<code>String</code>	A description of the entity (optional).
<code>owner</code>	<code>String</code>	The owner of the entity (optional).
<code>significance</code>	<a href="#">InheritedStringProperty</a>	The significance of the entity (optional).
<code>external_ids</code>	<code>String []</code>	External identifiers of the entity (optional).
<code>keywords</code>	<code>String []</code>	Keywords of the entity (optional).
<code>properties</code>	<a href="#">EntityPropertyUpdate []</a>	Entity properties (optional).
<code>email_properties</code>	<a href="#">EmailProperties</a>	Email properties (optional).
<code>physical_properties</code>	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties (optional).

### 5.1.2.65 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"
    ],
    "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	<a href="#">EntityUpdate</a>	Entity update.
---------------	------------------------------	----------------

**5.1.2.66 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).

### 5.1.2.67 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.

### 5.1.2.68 ObjectLink

Identifier of the content object linked to the entity.

*Definition*

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

*Fields*

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

### 5.1.2.69 ObjectsResponse

Object provides response to the entity content objects information request.

*Definition*

```
{
  "objects" : []
}
```

*Fields*

objects	<a href="#">ObjectStub</a> []	Entity content objects.
---------	-------------------------------	-------------------------

### 5.1.2.70 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	<a href="#">String - DateTime</a>	Date and time of the content object creation.
accessed	<a href="#">String - DateTime</a>	Date and time of the content object access.
modified	<a href="#">String - DateTime</a>	Date and time of the content object change.
content_type	String	Content object type.
extension	String	Extension of the content object file.
effective_rights	<a href="#">PropertyRights</a>	Effective rights to access the content object (optional).

### 5.1.2.71 ObjectStubResponse

Object provides response to the entity content object information request.

*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
    }
  }
}

```

*Fields*

object	<a href="#">ObjectStub</a>	Entity content object.
--------	----------------------------	------------------------

**5.1.2.72 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	Identifier of the physical content.
return_due	<a href="#">String - Date</a>	The return date of the issued content.
status	String	The status of the content.
status_change	<a href="#">String - DateTime</a>	Date and time of the content status change.

**5.1.2.73 PhysicalPropertiesUpdate**

Object updates the 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	Identifier of the physical content.
return_due	<a href="#">String - Date</a>	The return date of the issued content.
status	String	The status of the content.

**5.1.2.74 Property**

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" : [ // Optional
    T
  ]
}
```

*Fields*

id	String	Unique identifier of the attribute property.
description	String	A description of the attribute property.
type	String	Attribute property type. The set of types: - BINARY - BOOL - DATE - DATE_TIME - DECIMAL1 - DECIMAL2 - DECIMAL3 - DECIMAL4 - DECIMAL5 - DECIMAL6

		<ul style="list-style-type: none"> <li>- DECIMAL7</li> <li>- DECIMAL8</li> <li>- DECIMAL9</li> <li>- DECIMAL10</li> <li>- DIRECTORY_ENTITY</li> <li>- DOUBLE</li> <li>- INT8</li> <li>- INT16</li> <li>- INT32</li> <li>- INT64</li> <li>- INT128</li> <li>- STRING10</li> <li>- STRING20</li> <li>- STRING30</li> <li>- STRING40</li> <li>- STRING50</li> <li>- STRING100</li> <li>- STRING200</li> <li>- STRINGMAX</li> <li>- TIME</li> <li>- UINT8</li> <li>- UINT16</li> <li>- UINT32</li> <li>- UINT64</li> <li>- UINT128</li> </ul>
options	<a href="#">PropertyOptions</a>	The attribute property options.
values	T []	<p>The set of values is dynamic and depends on type and properties (optional). If <i>options.pick_list</i> is <i>true</i> see <a href="#">PropertyValue</a>, otherwise the set of values depend on the <i>type</i>:</p> <ul style="list-style-type: none"> <li>- BINARY: See <a href="#">PropertyBinaryValue</a>,</li> <li>- BOOL: Boolean,</li> <li>- DATE: See <a href="#">String - Date</a>,</li> <li>- DATE_TIME: See <a href="#">String - DateTime</a>,</li> <li>- DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE: Double,</li> <li>- DIRECTORY_ENTITY: See <a href="#">ObjectLink</a>,</li> <li>- INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128: Int,</li> <li>- STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX: String,</li> <li>- TIME: See <a href="#">String - Time</a>.</li> </ul>

### 5.1.2.75 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.

### 5.1.2.76 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,
  "required" : false,
  "searchable" : false,
  "unique" : false
}
```

*Fields*

append_only	Boolean	The attribute property values can only appended.
included_in_aip	Boolean	The attribute property values are part of the archival information package.
inherited	Boolean	The attribute property values are inherited from the parent entity.
multi_value	Boolean	The attribute property has multiple values.
non_empty	Boolean	The attribute property value can't be empty..
pick_list	Boolean	The attribute property has multiple values.
public	Boolean	The attribute property is publically accessible to all users.
read_only	Boolean	The attribute property value cannot be changed.
required	Boolean	The attribute property value is mandatory.
searchable	Boolean	The attribute property is searchable.
unique	Boolean	The attribute property value must be unique.

### 5.1.2.77 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"
}
```

*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	<a href="#">String - DateTime</a>	The validity of the attribute property access rights from a given date and time (optional).
valid_from	<a href="#">String - DateTime</a>	The validity of the attribute property access rights until a given date and time (optional).

### 5.1.2.78 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 <a href="#">PropertyBinaryValue</a> , - BOOL: Boolean, - DATE: See <a href="#">String - Date</a> , - DATE_TIME: See <a href="#">String - DateTime</a> , - DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE: Double, - DIRECTORY_ENTITY: See <a href="#">ObjectLink</a> , - INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128: Int, - STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX: String, - TIME: See <a href="#">String - Time</a> .

### 5.1.2.79 RetentionPolicyResponse

Object provides response on retention policies information request.

*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	<a href="#">RetentionPolicy</a> []	Retention policies.
--------------------	------------------------------------	---------------------

### 5.1.2.80 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"
  },
  "description" : "String",
  "detailed_description" : "String",
  "reason" : "String",
  "trigger" : "String",
  "links" : [
    {
      "type" : "objects",
      "uri" : "String - URI"
    }
  ]
}
```

*Fields*

<b>id</b>	String	Unique identifier of the entity retention policy.
<b>name</b>	String	The name of the entity retention policy.
<b>accessed</b>	<a href="#">String - DateTime</a>	Date and time of the entity retention policy access.
<b>created</b>	<a href="#">String - DateTime</a>	Date and time of the entity retention policy creation.
<b>modified</b>	<a href="#">String - DateTime</a>	Date and time of the entity retention policy update.
<b>action</b>	String	Default action of the entity retention policy.
<b>creator</b>	<a href="#">ObjectLink</a>	The autor of the entity retention policy.
<b>description</b>	String	A description of the entity retention policy.
<b>detailed_description</b>	String	A detailed description of the entity retention policy.
<b>reason</b>	String	The reason for entity retenion policy creation.
<b>trigger</b>	String	Search string to determine a time frame of a entity retention period.
<b>links</b>	<a href="#">Link []</a>	Links to the entity retention policy.

**5.1.2.81 RetentionPolicyResponse**

Object provides response to the retention policy information request.

*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	<a href="#">RetentionPolicy</a>	Entity retention policy.
------------------	---------------------------------	--------------------------

### 5.1.2.82 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	<a href="#">SearchEntityObject []</a>	Content objects in the entity search result.
id	String	Unified identifier of the entity.
links	<a href="#">Link []</a>	Links to the entity.
title	String	The title of the entity.
type	String	Entity types. The set of types: - CLASS, - FOLDER, - DOCUMENT.

### 5.1.2.83 SearchEntityObject

Object provides information on entity content objects search.

*Definition*

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

*Fields*

description	String	A description of the entity object.
-------------	--------	-------------------------------------

### 5.1.2.84 SearchResponse

Object provides information on entities in the search result.

*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	<a href="#">SearchEntity</a> []	Entities in the search result.
---------	---------------------------------	--------------------------------

### 5.1.2.85 SessionCloseRequest

Object provides request to close the session.

*Definition*

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

*Fields*

token	String	Unique identifier of the session (token).
-------	--------	---

### 5.1.2.86 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"
}
```

*Fields*

authentication	<a href="#">Authentication</a>	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).

**5.1.2.87 SessionOpenResponse**

Object provides response to the session open request.

*Definition*

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

*Fields*

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

**5.1.2.88 String - Date**

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

Format: "yyyy-MM-ddZ".

**5.1.2.89 String - DateTime**

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

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

**5.1.2.90 String - Time**

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

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

### 5.1.2.91 Template

Object provides information on template.

*Definition*

```
{
  "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,
        "non_empty" : false,
        "pick_list" : false,
        "public" : false,
        "read_only" : false,
        "required" : false,
        "searchable" : false,
        "unique" : false
      ],
      "values" : [{ // Optional
        "key" : "String",
        "value" : T
      }]
    }
  ]
}
```

*Fields*

id	String	Unique identifier of the template.
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	<a href="#">Property</a> []	Properties linked to the template.

### 5.1.2.92 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,
          "non_empty" : false,
          "pick_list" : false,
          "public" : false,
          "read_only" : false,
          "required" : false,
          "searchable" : false,
          "unique" : false
        ],
        "values" : [{ // Optional
          "key" : "String",
          "value" : T
        }]
      }
    ]
  }
}
```

```

    "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" : [{ // Optional
        "key" : "String",
        "value" : T
    }]
}
]
}
}

```

*Fields*

template	<a href="#">Template</a>	The information on template.
----------	--------------------------	------------------------------

**5.1.2.93 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,
                        "non_empty" : false,
                        "pick_list" : false,
                        "public" : false,
                        "read_only" : false,
                        "required" : false,
                        "searchable" : false,
                        "unique" : false
                    },
                    "values" : [{ // Optional
                        "key" : "String",
                        "value" : T
                    }]
                }
            ]
        }
    ]
}

```

### Fields

templates	<a href="#">Template []</a>	The information on templates.
-----------	-----------------------------	-------------------------------

## 5.1.3 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.

### 5.1.3.1 Archives read

Operation reads archive servers available to the user.

#### Request

#### **GET archives.json**

#### Response

See [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" : "IARC96",
      "name" : "Archive 2016",
      "description" : "Company main archive 2016",
      "host" : "iarc96.imis.si:16807",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96.json"
    },
    {
      "id" : "IARC97",
      "name" : "Archive 2017",
      "description" : "Company main archive 2017",
      "host" : "iarc97.imis.si:16807",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC97.json"
    }
  ]
}
```

### **5.1.3.2 Archive read**

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

#### Request

##### **GET archives/{archiveld}.json**

#### *Fields*

archiveld	String	Unique identifier of the archive.
-----------	--------	-----------------------------------

#### Request header

Authorization: Bearer [session token] - See [Archive](#)

#### Response

See [ArchiveResponse](#)

#### Response status

200 – Information retrieved successfully.

401 – Unauthorized, username and password are incorrect.

404 – Object not found.

500 – Server error.

## Example

An example of the archive read.

### Request

GET <https://apps.imis.eu/scsvc/archives/IARC97.json>

### Request header

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

### Response

#### *Definition*

```
{  
    "archive" : {  
        "name" : "Archive 2017",  
        "description" : "Company main archive 2017",  
        "capabilities" : {  
            "audit_query" : true,  
            "import_export" : true,  
            "reports" : true,  
            "review" : true  
        },  
        "links" : [{  
            "type" : "disposition_holds",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC97/disposition_holds.json"  
        }, {  
            "type" : "directory",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC97/directory.json"  
        }, {  
            "type" : "entities",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC97/entities.json"  
        }, {  
            "type" : "retention_policies",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC97/retention_policies.json"  
        }, {  
            "type" : "search",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC97/search.json"  
        }, {  
            "type" : "templates",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC97/templates.json"  
        }  
    ],  
    "host" : "iarc97.imis.si:16807"  
}
```

## 5.1.4 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.

### 5.1.4.1 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/{archiveld}/session/open.json**

#### Request parameters

##### *Fields*

archiveld	String	Unique identifier of the archive.
-----------	--------	-----------------------------------

#### Request content

See [SessionOpenRequest](#)

#### Response

See [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/IARC97/session/open.json

#### *Definition*

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

### Response

#### *Definition*

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

## 5.1.4.2 Session close

Operation closes the session.

### Request

**POST archives/{archiveld}/session/close.json**

#### *Fields*

archiveld	String	Unique identifier of the archive.
-----------	--------	-----------------------------------

#### Request content

See [SessionCloseRequest](#)

#### Response status

200 – OK, session closed.

400 - Unauthorized, username and password are incorrect.

404 – Session not found.

500 - Server error.

## Example

An example of the session close.

### Request

POST https://apps.imis.eu/scsvc/archives/IARC97/session/close.json

#### *Definition*

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

### Response status

200 – OK, session closed.

## 5.1.5 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.

### 5.1.5.1 Entity resource location

#### Address

**archives/{archiveld}/entities/{entityIdKind}:{id}**

#### *Fields*

archiveld	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.

### 5.1.5.2 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.

#### Request

##### **GET archives/{archiveld}/entities.json**

Entities read on the archive root.

and

##### **GET archives/{archiveld}/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: <ul style="list-style-type: none"><li>- all: All public information and links to the entities.</li><li>- links: Links to the entities.</li><li>- props: Public information on entity properties.</li><li>- templates: Templates for child entities creation.</li></ul>
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> 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).

#### Response

See [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/IARC96/entities/I:YQM1ixP8TAOZOQabg-  
OSRxLf9mrLAFHJt9YDVRK5xNs/entities.json
```

### Request header

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

## Response

### *Definition*

```
{  
    "entities" : [ {  
        "classification_code" : "C=147^D=00001",  
        "id" : "Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E",  
        "links" : [ {  
            "type" : "entity",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLy  
                NLV9E.json"  
            }, {  
                "type" : "entity:stub",  
                "uri" :  
                    "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLy  
                    NLV9E/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" : "Y7UiszrpzfCYpUoCA4cvM90XiNLZI1J2tDCHbs1VvEo",  
        "links" : [ {  
            "type" : "entity",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:Y7UiszrpzfCYpUoCA4cvM90XiNLZI1J2tDCHbs  
                1VvEo.json"  
            }, {  
                "type" : "entity:stub",  
                "uri" :  
                    "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:Y7UiszrpzfCYpUoCA4cvM90XiNLZI1J2tDCHbs  
                    1VvEo/stub.json"  
            }  
        ]  
    }]
```

```

        ],
        "public_classification_code" : "147/00002",
        "title" : "Imaging Systems Daily Summary for July 28th",
        "type" : "DOCUMENT"
    }
]
}

```

### 5.1.5.3 Entity public information read

Operation reads an entity public information.

#### Request

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

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

#### Request header

Authorization: Bearer [session token]

#### Response

See [EntityStubResponse](#)

#### **Example**

An example of the entity public information read.

#### Request

```
GET https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iT
KNKa_5j9phT_bGNRHO/stub.json
```

#### Request header

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

#### Response

#### *Definition*

```
{
    "entity_stub" : {
        "accessed" : "2016-11-05T14:17:59.929+02:00",
        "child_count" : 0,
        "classification_code" : "C=164^C=13^C=063",
        "created" : "2016-09-05T13:54:25",
        "creator" : {
            "id" : "marcowelch",
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/marcowellch.json"
        }
    }
}
```

```
        },
        "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_sub_entities" : true,
            "change_security_class" : true,
            "change_status" : true,
            "change_retention" : true
        },
        "external_ids" : [],
        "id" : "NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_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/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/acl.json"
            },
            {
                "type" : "entity:audit_log",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/audit_log.json"
            },
            {
                "type" : "nonrepudiation",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/nonrepudiation.json"
            },
            {
                "type" : "search",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/search.json"
            },
            {
                "type" : "parent",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>BUYeEoFc7P8aoMXUMaZXeDRGZwaajdAy9dYhd0OdnB8/stub.json"
            },
            {
                "type" : "entity#edit",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0.json"
            },
            {
                "type" : "entity#delete",
                "uri" :
                "https://apps.imis.eu/scsvc/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0.json"
            },
            {
                "type" : "entity:status#edit",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/status.json"
            },
            {
                "type" : "entity:security_class#edit",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/security_class.json"
            },
            {
                "type" : "entity#move",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_bGNRH0/move.json"
            }
        ]
    }
}
```

```

    "uri" :
    "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_b
    GNRH0/move.json"
    },
    {
        "type" : "entity",
        "uri" :
    "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_b
    GNRH0.json"
    }
],
"modified" : "2016-09-05T13:54:25.466+02:00",
"opened" : "2016-09-05T13:54:25.466+02:00",
"owner" : {
    "id" : "marcowelch",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/marcowelch.json"
},
"permanent" : false,
"properties" : [
    {
        "name" : "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,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "values" : [
            "2016-06-27+02:00"
        ],
    }
],
"public_classification_code" : "164.13.063",
"retention" : [
    {
        "policies" : [
            {
                "id" : "AywTRqKdetY4sSZhFzUNuhA-4_raqO601b01C_r4Ipw",
                "uri" :
    "https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/AywTRqKdetY4sSZhFzUNuhA-
    4_raqO601b01C_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/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_b  
GNRH0/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0lC_r4Ipw.json"  
        }, {  
            "type" : "retention_policy#delete",  
            "uri" :  
            "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_b  
GNRH0/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0lC_r4Ipw.json"  
        }  
    ]  
},  
    "disposition_holds" : [{  
        "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",  
        "uri" :  
        "https://apps.imis.eu/scsvc/archives/IARC96/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklP  
V7RfvhIeeGZY.json",  
        "name" : "Permanent hold",  
        "description" : "Description of hold for permanent entitites",  
        "links" : [{  
            "type" : "disposition_hold#delete",  
            "uri" :  
            "https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iTGNKa_5j9phT_b  
GNRH0/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json"  
        }  
    ]  
}  
],  
    "security_class" : {  
        "inherited" : false,  
        "value" : "Secret"  
},  
    "significance" : {  
        "inherited" : false,  
    },  
    "status" : {  
        "inherited" : false,  
        "value" : "Closed"  
},  
    "sub_entity_templates" : [],  
    "template" : {  
        "id" : "Class",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"  
    },  
    "title" : "Human resources and Payroll",  
    "type" : "CLASS"  
}  
}
```

#### 5.1.5.4 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).

##### Request

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

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

### Request header

Authorization: Bearer [session token]

### Response

See [EntityOpenResponse](#)

### **Example**

An example of the entity open.

#### Request

GET https://apps.imis.eu/scsvc/archives/IARC96/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"  
}
```

### **5.1.5.5 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/{archiveld}/entities/{entityIdKind}:{id}/edit.json**

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

#### Request header

Authorization: Bearer [session token]

## Response

See [EntityOpenResponse](#)

## **Example**

An example of the entity update.

### Request

GET http://apps.imis.eu/scsvc/archives/IARC96/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"  
}
```

## **5.1.5.6 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

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

The set of entityIdKind values: H.

### 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/IARC96/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.

### **5.1.5.7 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/{entityIdKind}:{id}.json**

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

#### Request header

Authorization: Bearer [session token]

#### Response

See [EntityResponse](#)

## Example

An example of the entity read.

### Request

GET <https://apps.imis.eu/scsvc/archives/IARC96/entities/I:EgNBsFXQy-GZlXaDGET6HwMo4f8KslamaEM3gt5QbqA.json>

### Request header

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

### Response

#### *Definition*

```
{  
  "entity" : {  
    "accessed" : "2016-11-02T16:41:14.057+01:00",  
    "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" : {  
      "id" : "gracelayton",  
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/gracelayton.json"  
    },  
    "description" : "",  
    "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  
    },  
    "external_ids" : [  
      "externalId61"  
    ],  
    "id" : "EgNBsFXQy-GZlXaDGET6HwMo4f8KslamaEM3gt5QbqA",  
    "keywords" : [  
      "planning",  
      "control",  
      "work_organization",  
      "procurement",  
      "manufacturing",  
      "quality",  
      "maintenence"  
    ],  
    "links" : [{  
      "type" : "entity:acl",  
      "uri" :  
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/acl.json"  
    }, {  
      "type" : "entity:audit_log",  
    }]  
  }  
}
```

```
"uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0.json",
  },
  "type" : "entities",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/entities.json",
  },
  "type" : "nonrepudiation",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/nonrepudiation.json",
  },
  "type" : "search",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/search.json",
  },
  "type" : "parent",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:pkb-hFfEVShBrCylMmrEHixb7jJPxrmbOiRMkLuuHh0.json",
  },
  "type" : "entity:stub",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/stub.json",
  },
  "type" : "entity#edit",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0.json",
  },
  "type" : "entity#delete",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0.json",
  },
  "type" : "entity:status#edit",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/status.json",
  },
  "type" : "entity:security_class#edit",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/security_class.json",
  },
  "type" : "entity#move",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/move.json",
  },
],
"modified" : "2016-07-11T16:43:03.262+02:00",
"opened" : "2016-07-11T16:43:03.262+02:00",
"owner" : {
  "id" : "gracelayton",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/gracelayton.json"
},
"parent_id" : "pkb-hFfEVShBrCylMmrEHixb7jJPxrmbOiRMkLuuHh0",
"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,
      "read_only" : false
    }
  }
]
```

```

    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  },
  "values" : [
    "2016-06-27+2:00"
  ],
  }
],
"public_classification_code" : "164.15"
"retention" : {
  "policies" : [
    {
      "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",
      "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_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/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
        },
        {
          "type" : "retention_policy#delete",
          "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
        }
      ]
    }
  ],
  "disposition_holds" : [
    {
      "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
      "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json,
      "name" : "Permanent hold",
      "description" : "Entity is on permanent hold",
      "links" : [
        {
          "type" : "disposition_hold#delete",
          "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/retention/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json
        }
      ]
    }
  ]
}

```

```
        ]
    ],
    "security_class" : {
        "inherited" : false,
        "value" : "Top Secret"
    },
    "significance" : {
        "inherited" : false,
        "value" : "Vital"
    },
    "status" : {
        "inherited" : false,
        "value" : "Closed"
    },
    "template" : {
        "id" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
    },
    "title" : "Supply Chain Management",
    "type" : "CLASS"
}
}
```

### 5.1.5.8 Entity create

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

#### Request

##### **POST archives/{archiveld}/entities/{entityIdKind}:{id}.json**

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

and

##### **POST archives/{archiveld}.json**

Create an entity on under the archive root.

#### Request header

Authorization: Bearer [session token]

Content-Type: application/json

#### Request content

See [EntityCreateRequest](#)

#### Response

See [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/IARC96/entities/C:C=196.json

### Request header

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

Content-Type: application/json

### Request content

#### *Definition*

```
{  
    "entity_create" : {  
        "template" : "Class",  
        "title" : "Finance",  
        "description" : "",  
        "keywords" : [  
            "accounts_payable",  
            "accounts_receiveable",  
            "banking",  
            "budgeting",  
            "payments"  
        ],  
        "owner" : "johnsmith",  
        "properties" : [{  
            "name" : "Verification date",  
            "values" : ["2016-06-27+09:00"]  
        }, {  
            "name" : "Validation date",  
            "values" : ["2016-06-27T12:12:00.000+1:00"]  
        }  
    }  
}
```

## Response

### Definition

```
{
  "entity" : {
    "accessed" : "2016-11-03T10:19:33.817+01:00",
    "child_classification_code_generated" : true,
    "child_count" : 0,
    "classification_code" : "C=196^C=23",
    "created" : "2016-11-03T10:29:33.817+01:00",
    "creator" : {
      "id" : "johnsmith",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/johnsmith.json"
    },
    "description" : "",
    "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
    },
    "external_ids" : [],
    "id" : "WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg",
    "keywords" : [
      "accounts_payable",
      "accounts_receiveable",
      "banking",
      "payments"
    ],
    "links" : [
      {
        "type" : "entity:acl",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/acl.json"
      },
      {
        "type" : "entity:audit_log",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/audit_log.json"
      },
      {
        "type" : "nonrepudiation",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/nonrepudiation.json"
      },
      {
        "type" : "search",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/search.json"
      },
      {
        "type" : "parent",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196.json"
      },
      {
        "type" : "entity:stub",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/stub.json"
      },
      {
        "type" : "entity#edit",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23.json"
      },
      {
        "type" : "entity#delete",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23.json"
      },
      {
        "type" : "entity:status#edit",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/status.json"
      },
      {
        "type" : "entity:security_class#edit",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/security_class.json"
      }
    ]
  }
}
```

```

    "uri" :
    "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/security_class.json"
    },
    {
    "type" : "entity#move",
    "uri" :
    "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/move.json"
    }
],
"modified" : "2016-11-03T10:29:33.817+01:00",
"opened" : "2016-11-03T10:29:33.817+01:00",
"owner" : {
    "id" : "johnsmith",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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,
            "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,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "values" : [
            "2016-06-27T12:12:00.000+01:00"
        ]
    }
],
"public_classification_code" : "196.23",
"retention" : {
    "policies" : [
        {
            "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",
            "uri" :
            "https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-
        4_raqO601b01C_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/IARC96/entities/C:C=196%5EC=23/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raq0601b01C\_r4Ipw.json
    },
    {
        "type" : "retention_policy#delete",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=196%5EC=23/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raq0601b01C\_r4Ipw.json
    }
],
"disposition_holds" : [
    {
        "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json,
        "name" : "Permanent hold",
        "description" : "Description of hold for permanent entitites",
        "links" : [
            {
                "type" : "disposition_hold#delete",
                "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/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" : [
    {
        "id" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
    },
    {
        "id" : "Case",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Case.json"
    },
    {
        "id" : "Document",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Document.json"
    },
    {
        "id" : "Email",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates>Email.json"
    }
],
"template" : {
    "id" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
},
```

```
        "title" : "Administration",
        "type" : "CLASS"
    }
```

### 5.1.5.9 Entity delete

Operation deletes an entity.

#### Request

#### **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).

#### 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/IARC96/entities/I:GNKjylwN7onZfFJEm-nnsOdUEtvEQOGvC-RUxtCgu4w.json?reason=test&description=opis
```

#### Response status

200 – Entity deleted successfully.

### 5.1.5.10 Entity change

Operation change an entity attributes.

#### Request

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

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

#### Request header

Authorization: Bearer [session token]

#### Request content

See [EntityUpdateRequest](#)

#### Response

See [EntityResponse](#)

#### Response status

200 – Entity 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 change.

#### Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSmI59lyuBKPy  
HN_kTGTX8kIGI9s.json
```

## Request header

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

## Request content

### *Definition*

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

## Response

### *Definition*

```
{
  "entity" : {
    "accessed" : "2016-11-07T16:07:22.728+01:00",
    "child_classification_code_generated" : true,
    "child_count" : 30,
    "classification_code" : "C=196",
    "created" : "2016-09-13T11:13:50.219+02:00",
    "creator" : {
      "id" : "rongsalazar",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/rongsalazar.json"
    },
    "description" : "Company documentation, Correspondence, Organization",
    "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
    },
    "external_ids" : [],
    "id" : "g3kNhfhPtrIBwVYQSmI59IyuBKPyHN_kTGTX8kIGl9s",
    "keywords" : [
      "company",
      "documentation",
      "correspondence",
      "organization"
    ],
    "links" : [
      {
        "type" : "entity:acl",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSmI59IyuBKPyHN_kTGTX8kIGl9s/acl.json"
      },
      {
        "type" : "entity:audit_log",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSmI59IyuBKPyHN_kTGTX8kIGl9s/audit_log.json"
      }
    ]
  }
}
```

```

    "type" : "entities",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/audit_log.json"
    },
    {
    "type" : "nonrepudiation",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/nonrepudiation.json"
    },
    {
    "type" : "search",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/search.json"
    },
    {
    "type" : "entity:stub",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/stub.json"
    },
    {
    "type" : "entity#edit",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s.json"
    },
    {
    "type" : "entity#delete",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s.json"
    },
    {
    "type" : "entity:status#edit",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/status.json"
    },
    {
    "type" : "entity:security_class#edit",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/security_class.json"
    },
    {
    "type" : "entity#move",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm59IyuBKPyHN_kTGTX8k
IG19s/move.json"
    }
],
"modified" : "2016-11-07T16:07:22.728+01:00",
"opened" : "2016-09-13T12:55:42.003+2:00",
"owner" : {
    "id" : "ronsalazar",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/ronsalazar.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,
        "required" : false,
        "searchable" : true,
        "unique" : false
    },
    "values" : [

```

```
"2016-06-27Z"
"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,
    "required" : false,
    "searchable" : true,
    "unique" : false
},
"values" : [
    "2016-09-20T21:40:00.000Z"
]
},
"public_classification_code" : "196",
"retention" : {
    "policies" : [
        {
            "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_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/IARC96/entities/I:g3kNhfhPtrIBwVYQSm5IyuBKPyHN\_kTGTX8kIGl9s/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
                },
                {
                    "type" : "retention_policy#delete",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSm5IyuBKPyHN\_kTGTX8kIGl9s/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
                }
            ]
        }
    ],
    "disposition_holds" : [
        {
            "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json,
            "name" : "Permanent hold",
            "description" : "Description of hold for permanent entitites",
            "links" : [
                {
                    "type" : "disposition_hold#delete",

```

```

        "uri" :
      "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:g3kNhfhPtrIBwVYQSmI59IyuBKPyHN_kTGTX8k
      IG19s/retention/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.json"
    }
  ]
},
"security_class" : {
  "inherited" : false,
  "value" : "Top Secret"
},
"significance" : {
  "inherited" : true,
},
"status" : {
  "inherited" : false,
  "value" : "Opened"
},
"sub_entity_templates" : [
  {
    "id" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
  }
],
"template" : [
  {
    "id" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
  }
],
"title" : "Administration",
"type" : "CLASS"
}
}

```

### 5.1.5.11 Entity status change

Operation change the entity status.

#### Request

#### **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 [EntityStatusUpdateRequest](#)

#### Response

See [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 1**

An example of the entity status change.

#### Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=164^C=06/status.json
```

#### 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 2**

An example of the entity status change.

## Request

PUT https://apps.imis.eu/scsvc/archives/IARC96/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"  
}
```

### Response

#### *Definition*

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

## **5.1.5.12 Entity security class change**

Operation change the entity security class.

### Request

**PUT archives/{archiveld}/entities/{entityIdKind}:{id}/security\_class.json**

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

### Request header

Authorization: Bearer [session token]

### Request content

See [EntitySecurityClassUpdateRequest](#)

## Response

See [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.

## **Example 1**

An example of the entity security class change.

### Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC96/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 2**

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

## Request

PUT https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=164^C=06/security\_class.json

## Request header

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

## Request content

### *Definition*

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

## Response

### *Definition*

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

## **5.1.5.13 Entity retention policy create**

Operation creates an entity retention policy.

## Request

**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 [EntityRetentionPoliciesRequest](#)

## Response

See [EntityRetentionPoliciesResponse](#)

### 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 entity retention policies.

### Request

POST https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/retention/policies.json

### Request header

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

### Request content

#### *Definition*

```
{
  "retention_policies" : [
    {
      "id" : "Pqc5zK58VmPaR1Q-pIaVhOV15shGuLwvS4OvEkzd3JE",
      "scope" : "ALLOW",
      "filter" : {
        "classes" : true,
        "folders" : true
      }
    }
  ]
}
```

### Response

#### *Definition*

```
{
  "retention_policies" : [
    {
      "id" : "Pqc5zK58VmPaR1Q-pIaVhOV15shGuLwvS4OvEkzd3JE",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/Pqc5zK58VmPaR1Q-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
      }
    }
  ]
}
```

```
        },
        "inherited_context" : [],
        "links" : [
            {
                "type" : "retention_policy#edit",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/retention/policies/Pqc5zK58VmPaR
                1Q-pIaVhOV15shGuLwvS4OvEkzd3JE.json"
            },
            {
                "type" : "retention_policy#delete",
                "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/retention/policies/Pqc5zK58VmPaR
                1Q-pIaVhOV15shGuLwvS4OvEkzd3JE.json"
            }
        ]
    }
}
```

### 5.1.5.14 Entity retention policy change

Operation changes an entity retention policy.

#### Request

**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 [EntityRetentionPolicyEntryRequest](#)

#### Response

See [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/IARC96/entities/  
l:c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfade77759476b79/retention/  
policies/AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0lC_r4lpw.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": "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0lC_r4lpw",  
        "uri":  
        "https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-  
4_raqO601b0lC_r4lpw.json",  
        "name": "10 years",  
        "description": "Dispose after 10 years",  
        "explicit_context": {  
            "scope": "DENY",  
            "filter": {  
                "classes" : false,  
                "folders" : false,  
                "documents" : true  
            }  
            "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/IARC96/entities/I:c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfa77759476b79/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw.json"
  },
  {
    "type": "retention_policy#delete",
    "uri": "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfa77759476b79/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw.json"
  }
]
}

```

### 5.1.5.15 Entity retention policy delete

Operation deletes an entity retention policy.

#### Request

**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/IARC96/entities/I>NoDrt8_b4hXW4IWmfk  
XcJP6iTKNKA_5j9phT_bGNRHO/retention/policies/AywTRqKdetY4sSZhfvUNuhA-  
4_raq0601b0IC_r4lpw.json
```

### Request header

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

### Response

Status: 200 – Entity retention policy deleted successfully.

## 5.1.5.16 Entity disposition holds create

Operation creates an entity disposition holds.

### Request

**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 [EntityRetentionDispositionHoldsRequest](#)

### Response

See [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/IARC96/entities/C:C=191/retention/disposition\_holds.json

### 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/IARC96/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/IARC96/entities/C:C=191/retention/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.json"
        }
      ]
    }
  ]
}
```

### 5.1.5.17 Entity disposition holds delete

Operation deletes an entity disposition holds.

#### Request

**DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/retention/disposition\_holds/{idDispositionHold}.json**

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

#### 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 disposition holds delete.

#### Request

```
DELETE https://apps.imis.eu/scsvc/archives/IARC96/entities/I>NoDrt8_b4hXW4IWmfkXcJP6iT  
TKNKa_5j9phT_bGNRHO/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadkl  
PV7RfvhleeGZY.json
```

#### Request header

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

#### Response status

200 - Entity disposition holds deleted successfully.

### 5.1.5.18 Entity move

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

#### Request

##### **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/{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 [EntityMoveRequest](#)

#### Response

See [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/IARC96/entities/l:pwiTTaNbqxXPpS\\_l5cySkctGbOPZPsrKPjjT-LHSk8Q/move.json](https://apps.imis.eu/scsvc/archives/IARC96/entities/l:pwiTTaNbqxXPpS_l5cySkctGbOPZPsrKPjjT-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" : "2016-11-03T11:38:15.235+01:00",  
        "child_count" : 1,  
        "classification_code" : "C=230",  
        "created" : "2016-10-14T09:46:49.945+02:00",  
        "creator" : {  
            "id" : "alexnelson",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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_sub_entities" : true,  
            "change_security_class" : true,  
            "change_status" : true,  
            "change_retention" : true  
        },  
        "external_ids" : [],  
        "id" : "pwiTTaNbqxXPpS_l5cySkctGb0ZPsrKPjjT-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/IARC96/entities/pwiTTaNbqxXPpS_l5cySkctGb0ZPsrKPjjT-LHSk8Q/acl"  
        }]  
    }  
}
```

```
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/acl.json"
    },
    {
        "type" : "entity:audit_log",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/audit_log.json"
    },
    {
        "type" : "entities",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/entities.json"
    },
    {
        "type" : "nonrepudiation",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/nonrepudiation.json"
    },
    {
        "type" : "search",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/search.json"
    },
    {
        "type" : "entity#edit",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q.json"
    },
    {
        "type" : "entity#delete",
        "uri" : "https://apps.imis.eu/scsvc/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q.json"
    },
    {
        "type" : "entity:status#edit",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/status.json"
    },
    {
        "type" : "entity:security_class#edit",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/security_class.json"
    },
    {
        "type" : "entity#move",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q/move.json"
    },
    {
        "type" : "entity",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBoqxBPpS_15cySkctGb0PZPsPKpjT-LHSk8Q.json"
    }
],
"modified" : "2016-07-27T09:19:43.162+02:00",
"opened" : "2016-04-22T13:26:16.627+02:00",
"owner" : {
    "id" : "alexnelson",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/alexnelson.json"
},
"permanent" : false,
"properties" : [
    {
        "name" : "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,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "values" : [
            "2016-04-06+02:00"
        ]
    }
],
```

```

        },
        "public_classification_code" : "C=230",
        "retention" : {
            "policies" : [
                {
                    "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_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/IARC96/entities/I:pwiTTaNQqXPPS\_15cySkctGb0PZPsrkPjjT-LHsk8Q/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
                        },
                        {
                            "type" : "retention_policy#delete",
                            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/I:pwiTTaNQqXPPS\_15cySkctGb0PZPsrkPjjT-LHsk8Q/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
                        }
                    ],
                    "id" : "C6bEPb108V0K1UBwi4eUWPfmxZyb6M8mJXTRVBnHxk",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/C6bEPb108V0K1UBwi4eUWPfmxZyb6M8mJXTRVBnHxk.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/IARC96/entities/I:pwiTTaNQqXPPS\_15cySkctGb0PZPsrkPjjT-LHsk8Q/retention/policies/C6bEPb108V0K1UBwi4eUWPfmxZyb6M8mJXTRVBnHxk.json
                        },
                        {
                            "type" : "retention_policy#delete",
                            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/I:pwiTTaNQqXPPS\_15cySkctGb0PZPsrkPjjT-LHsk8Q/retention/policies/C6bEPb108V0K1UBwi4eUWPfmxZyb6M8mJXTRVBnHxk.json
                        }
                    ],
                    "id" : "fHLWHPPTgxUZ9FizUvV_tEQT2-LqPCXXi389hm_gIgw",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/fHLWHPPTgxUZ9FizUvV\_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/IARC96/entities/I:pwiTTaNBqxXPpS_15cySkctGb0PZPsrKPjjT-LHSk8Q/retention/policies/fHLWHBPTgxUZ9FizUvV_tEQT2-LqPCXXi389hm_gIgw.json"
        },
        {
            "type" : "retention_policy#delete",
            "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:pwiTTaNBqxXPpS_15cySkctGb0PZPsrKPjjT-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" : [
    {
        "id" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
    }
],
"template" : {
    "id" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
},
"title" : "Finance",
"type" : "CLASS"
}
}
```

## Example

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

### Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC96/entities/
I:pwiTTaNBqxXPpS_15cySkctGb0PZPsrKPjjT-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" : "2016-11-03T11:39:58.919+01:00",
    "child_count" : 1,
    "classification_code" : "C=212^C=07",
    "created" : "2016-10-14T09:46:49.945+02:00",
    "creator" : {
      "id" : "jerryturner",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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_sub_entities" : true,
      "change_security_class" : true,
      "change_status" : true,
      "change_retention" : true
    },
    "external_ids" : [],
    "id" : "pwTTaNBoqXPPs_15cySkctGb0PZPsPKpjT-LHSk8Q",
    "keywords" : [
      "export/import"
    ],
    "links" : [
      {
        "type" : "entity:acl",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwTTaNBoqXPPs_15cySkctGb0PZPsPKpjT-LHSk8Q/acl.json"
      },
      {
        "type" : "entity:audit_log",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwTTaNBoqXPPs_15cySkctGb0PZPsPKpjT-LHSk8Q/audit_log.json"
      },
      {
        "type" : "entities",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwTTaNBoqXPPs_15cySkctGb0PZPsPKpjT-LHSk8Q/entities.json"
      },
      {
        "type" : "nonrepudiation",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwTTaNBoqXPPs_15cySkctGb0PZPsPKpjT-LHSk8Q/nonrepudiation.json"
      },
      {
        "type" : "search",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwTTaNBoqXPPs_15cySkctGb0PZPsPKpjT-LHSk8Q/search.json"
      }
    ]
  }
}
```

```

        "uri" :
      "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
      LHSk8Q/search.json"
    },
    {
      "type" : "parent",
      "uri" :
    "https://apps.imis.eu/scsvc/archives/IARC96/entities/uOcEHE5pNYzxwpqkcsN11Kb_OK-
    583J0SdBzxYWKBpU/stub.json"
  },
  {
    "type" : "entity#edit",
    "uri" :
  "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
  LHSk8Q.json"
  },
  {
    "type" : "entity#delete",
    "uri" :
  "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
  LHSk8Q.json"
  },
  {
    "type" : "entity:status#edit",
    "uri" :
  "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
  LHSk8Q/status.json"
  },
  {
    "type" : "entity:security_class#edit",
    "uri" :
  "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
  LHSk8Q/security_class.json"
  },
  {
    "type" : "entity#move",
    "uri" :
  "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
  LHSk8Q/move.json"
  },
  {
    "type" : "entity",
    "uri" :
  "https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNbqxxPpS_15cySkctGb0PZPsPKpjT-
  LHSk8Q.json"
  }
],
"modified" : "2016-09-05T15:57:34",
"opened" : "2016-09-05T15:57:34",
"owner" : {
  "id" : "alexnelson",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/alexnelson.json"
},
"parent_id" : "uOcEHE5pNYzxwpqkcsN11Kb_OK-583J0SdBzxYWKBpU",
"permanent" : false,
"properties" : [
  {
    "id" : "Verification date",
    "description" : "Non mandatory date of verification",
    "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,
      "required" : false,
      "searchable" : true,
      "unique" : false
    },
    "values" : [
      "2016-04-06+02:00"
    ]
  }
],
"public_classification_code" : "212.07",

```

```

"retention" : {
    "policies" : [
        {
            "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_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/IARC96/entities/pwiTTaNBqxFPpS\_15cySkctGb0PZPsrKPjjT-LHSk8Q/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
                },
                {
                    "type" : "retention_policy#delete",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNBqxFPpS\_15cySkctGb0PZPsrKPjjT-LHSk8Q/retention/policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
                }
            ]
        },
        {
            "id" : "C6bEPbl08V0K1UBwi4eUWPfMIXZyb6M8mJXTRVBnHxx",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/retention\_policies/C6bEPbl08V0K1UBwi4eUWPfMIXZyb6M8mJXTRVBnHxx.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/IARC96/entities/pwiTTaNBqxFPpS\_15cySkctGb0PZPsrKPjjT-LHSk8Q/retention/policies/C6bEPbl08V0K1UBwi4eUWPfMIXZyb6M8mJXTRVBnHxx.json
                },
                {
                    "type" : "retention_policy#delete",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/pwiTTaNBqxFPpS\_15cySkctGb0PZPsrKPjjT-LHSk8Q/retention/policies/C6bEPbl08V0K1UBwi4eUWPfMIXZyb6M8mJXTRVBnHxx.json
                }
            ]
        },
        {
            "disposition_holds" : [
                {
                    "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/disposition\_holds/DVAh3WDAb88J\_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json,
                    "name" : "Permanent hold",
                    "description" : "Description of hold for permanent entitites",
                    "links" : [
                        {
                            "type" : "disposition_hold#delete",

```

```

        "uri" :
      "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:pwiTTaNBqxXPps_15cySkctGb0PZPsrkPjjT-
LHSk8Q/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadk1PV7RfvhIeeGZY.json"
    }
  ]
},
"security_class" : {
  "inherited" : false,
  "value" : "Secret"
},
"significance" : {
  "inherited" : false,
  "value" : "Vital"
},
"status" : {
  "inherited" : false,
  "value" : "Opened"
},
"sub_entity_templates" : [
  {
    "id" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
  }
],
"template" : {
  "id" : "Class",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/templates/Class.json"
},
"title" : "Customer relationship management",
"type" : "CLASS"
}
}

```

## 5.1.6 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.

### 5.1.6.1 Entity access right read

Operation reads directory entity access right on the entity.

#### Request

**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 [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/IARC96/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/IARC96/entities/C:C=191/acl.json/acl/alexnelson.json"  
            }, {  
                "type" : "entity:acl:entry#delete",  
                "uri" :  
                    "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/acl.json/acl/alexnelson.json"  
            }  
        ],  
        "directory_entity" : {  
            "id" : "alexnelson",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/alexnelson.json"  
        },  
        "effective_rights" : {  
            "read_access" : true,  
            "write_access" : false,  
            "move_access" : false,  
            "delete_access" : false,  
        }  
    }  
}
```

```
        "change_rights" : true,
        "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_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/IARC96/entities/C:C=191/acl.json/acl/Validation%2520date/alexnelson.json
                    },
                    {
                        "type" : "entity:acl:property_entry#delete",
                        "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/acl.json/acl/Validation%2520date/alexnelson.json
                    }
                ],
                "directory_entity" : {
                    "id" : "keiraclay",
                    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/keiraclay.json"
                },
                "effective_rights" : {
                    "ceate_access" : false,
                    "delete_access" : false,
                    "read_access" : false,
                    "write_access" : false
                },
                "inherited_deny_rights" : {
                    "ceate_access" : false,
                    "delete_access" : false,
                    "read_access" : true,
                    "write_access" : true
                }
            }
        ]
    }
]
}
```

### 5.1.6.2 Entity access right create

Operation creates an entity access right.

## Request

### **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 [EntityACLRequest](#)

## Response

See [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/IARC96/entities/C:C=191/acl.json

#### Request content

##### *Definition*

```
{  
  "acl" : {  
    "entries" : [ {  
      "subject" : "Support group",  
      "explicit_allow_rights" : {  
        "valid_from" : "2016-08-02T12:12:00.000+06:00",  
        "valid_to" : "2016-08-20T12:12:00.000+02:00",  
        "read_access" : true,  
        "change_status" : true  
      },  
      "explicit_deny_rights" : {  
      }  
    }  
  }  
}
```

```

        "valid_from" : "2016-08-02T12:12:00.000+03:00",
        "valid_to" : "2016-08-20T12:12:00.000Z",
        "write_access" : true
    }
}
]
}
}

```

## Response

### *Definition*

```

{
  "acl" : {
    "entries" : [
      {
        "links" : [
          {
            "type" : "entity:acl:entry#edit",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/acl.json/acl/Support%2520group.json
          },
          {
            "type" : "entity:acl:entry#delete",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/acl.json/acl/Support%2520group.json
          }
        ],
        "directory_entity" : {
          "id" : "Support group",
          "uri" :
https://apps.imis.eu/scsvc/archives/IARC96/directory/Support%20group.json
        },
        "effective_rights" : {
          "read_access" : false,
          "write_access" : false,
          "move_access" : false,
          "delete_access" : false,
          "change_rights" : 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_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_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"
        }
      }
    ]
  }
}

```

```
        ]
    }
}
}
```

### 5.1.6.3 Entity access right change

Operation changes an entity access right.

#### Request

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

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

#### Request header

Authorization: Bearer [session token]

#### Request content

See [EntityACLEntryRequest](#)

#### Response

See [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 entity access right change.

#### Request

PUT <https://apps.imis.eu/scsvc/archives/IARC96/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/IARC96/entities/C:C=191/acl/Support%2520group.json"
      },
      {
        "type": "entity:acl:entry#delete",
        "uri": "https://apps.imis.eu/scsvc/archives/IARC96/entities/C:C=191/acl/Support%2520group.json"
      }
    ],
    "directory_entity": {
      "id": "Support group",
      "uri": "https://apps.imis.eu/scsvc/archives/IARC96/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"
    }
  }
}
```

### 5.1.6.4 Entity property access right change

Operation updates an entity property explicit access right.

#### Request

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

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

#### Request header

Authorization: Bearer [session token]

#### Request content

See [EntityPropertyACLEntryRequest](#)

#### Response

See [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/IARC96/entities/I: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/IARC96/entities/I:c830dcdf723f3eb01623c45cb772f2f32d1979
        9f0597abd498142e840debde89/acl/AttrBool/Support%2520group.json"
      },
      {
        "type" : "entity:acl:property_entry#delete",
        "uri" :
        "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:c830dcdf723f3eb01623c45cb772f2f32d1979
        9f0597abd498142e840debde89/acl/AttrBool/Support%2520group.json"
      }
    ],
    "directory_entry" : {
      "id" : "Support group",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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"
    }
  }
}
```

## **5.1.6.5 Entity access right delete**

Operation deletes entity access right.

## Request

**DELETE archives/{archiveId}/entities/{entityIdKind}:{id}/acl/{directoryEntityId}.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/IARC96/entities/l:cbc80d24496c1cff9ac4cc1031  
cc7bcfb2d79832c0fdeebcd41e1f3a0dbacc7b/acl/Support%20group.json
```

#### Response status

200 – Entity access right deleted successfully.

### **5.1.6.6 Entity property access right delete**

Operation deletes an entity property access right.

#### Request

```
DELETE archives/{archivId}/entities/{entityIdKind}:{id}/acl/{propertyName}/  
{directoryEntityId}.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/IARC96/entities/l:cbc80d24496c1cff9ac4cc1031  
cc7bcfb2d79832c0fdeebcd41e1f3a0dbacc7b/acl/AttrBool/keiraclay.json
```

#### Response status

200 – Entity property access right deleted successfully.

## **5.1.7 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.

### **5.1.7.1 Templates read**

Operation reads templates.

#### Request

**GET archives/{archiveld}/templates.json**

#### Request header

Authorization: Bearer [session token]

## **Response**

See [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 templates read.

### Request

GET https://apps.imis.eu/scsvc/archives/IARC96/templates.json

### Request header

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

## Response

### *Definition*

```
{  
    "templates" : [  
        {  
            "id" : "PropertyDocument",  
            "description" : "",  
            "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,  
                        "non_empty" : false,  
                        "pick_list" : false,  
                        "public" : true,  
                        "read_only" : 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,  
                        "non_empty" : false,  
                        "pick_list" : false,  
                        "public" : true,  
                        "read_only" : false,  
                        "required" : false,  
                        "searchable" : true,  
                        "unique" : false  
                    }  
                }  
            ]  
        }  
    ]  
}
```

```
"append_only" : false,
"included_in_aip" : false,
"inherited" : false,
"multi_value" : false,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
        "non_empty" : false,
        "pick_list" : false,
        "public" : true,
        "read_only" : 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,
    "non_empty" : 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,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : 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,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : 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,
    "non_empty" : 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,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : 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,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : 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,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
},
"values" : [
    {
        "key" : "New year holidays",
        "value" : "2017-01-02"
    },
    {
        "value" : "2017-01-03"
    }
]
}, {
"name" : "AttrPickListDouble",
"description" : "",
"type" : "DOUBLE",
"options" : {
    "append_only" : false,
    "included_in_aip" : false,
```

```
"inherited" : false,
"multi_value" : false,
"non_empty" : false,
"pick_list" : true,
"public" : true,
"read_only" : 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,
  "non_empty" : false,
  "pick_list" : true,
  "public" : true,
  "read_only" : false,
  "required" : false,
  "searchable" : true,
  "unique" : false
},
"values" : [
  {
    "value" : 1
  },
  {
    "value" : 2
  }
]
},
{
"name" : "AttrPickListInt16",
"description" : "",
"type" : "INT16",
"options" : {
  "append_only" : false,
  "included_in_aip" : false,
  "inherited" : false,
  "multi_value" : false,
  "non_empty" : false,
  "pick_list" : true,
  "public" : true,
  "read_only" : false,
  "required" : false,
  "searchable" : true,
  "unique" : false
},
"values" : [
  {
    "value" : 1
  },
  {
    "value" : 2
  }
]
},
{
"name" : "AttrPickListInt32",
"description" : "",
"type" : "INT32",
"options" : {
  "append_only" : false,
  "included_in_aip" : false,
  "inherited" : false,
  "multi_value" : false,
```

```
"non_empty" : false,
"pick_list" : true,
"public" : true,
"read_only" : false,
"required" : false,
"searchable" : true,
"unique" : false
},
"values" : [
  {
    "value" : 1
  },
  {
    "value" : 2
  }
]
},
{
"name" : "AttrPickListInt64",
"description" : "",
"type" : "INT64",
"options" : {
  "append_only" : false,
  "included_in_aip" : false,
  "inherited" : false,
  "multi_value" : false,
  "non_empty" : false,
  "pick_list" : true,
  "public" : true,
  "read_only" : 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,
  "non_empty" : 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,
  "non_empty" : 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" : "AttrPicklistBool",
"description" : "Picklist Bool attribute",
"type" : "BOOL",
"options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
},
"values" : [
    {
        "key" : "Ok",
        "value" : true
    },
    {
        "key" : "Cancel",
        "value" : false
    }
]
},
{
"name" : "AttrPicklistDateTime",
"description" : "Picklist DateTime attribute",
"type" : "DATE_TIME",
"options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
},
"values" : [
    {
        "key" : "New year's day",
        "value" : "2016-01-01T01:00:00"
    },
    {
        "key" : "New year's eve - Silvester",
        "value" : "2016-12-31T01:00:00"
    }
]
},
{
"name" : "AttrPicklistDirectoryEntity",
"description" : "Picklist DirectoryEntity attribute",
"type" : "DIRECTORY_ENTITY",
"options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
```

```

    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  },
  "values" : [
    {
      "key" : "Alex Nelson",
      "value" : {
        "id" : "alexnelson",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/alexnelson.json"
      }
    },
    {
      "key" : "John Smith",
      "value" : {
        "id" : "johnsmith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/johnsmith.json"
      }
    }
  ]
},
{
  "name" : "AttrTime",
  "description" : "Time attribute",
  "type" : "TIME",
  "options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  }
}
]
}

```

### 5.1.7.2 Template read

Operation reads template.

#### Request

**GET archives/{archiveld}/templates/{id}.json**

#### Request header

Authorization: Bearer [session token]

#### Response

See [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 template read.

#### Request

GET https://apps.imis.eu/scsvc/archives/IARC96/templates/Document.json

#### Request header

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

### Response

#### *Definition*

```
{  
  "template" : [  
    {  
      "id" : "PropertyDocument",  
      "description" : "",  
      "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,  
            "non_empty" : false,  
            "pick_list" : false,  
            "public" : true,  
            "read_only" : 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,  
            "non_empty" : false,  
            "pick_list" : false,  
            "public" : true,  
            "read_only" : false  
          }  
        }  
      ]  
    }  
  ]  
}
```

```
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : 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,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : false,
"required" : false,
"searchable" : true,
"unique" : false
}
```

```
        "unique" : false
    }
}, {
    "name" : "AttrDouble",
    "description" : "Double attribute",
    "type" : "DOUBLE",
    "options" : {
        "append_only" : false,
        "included_in_aip" : false,
        "inherited" : false,
        "multi_value" : false,
        "non_empty" : 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,
        "non_empty" : false,
        "pick_list" : false,
        "public" : true,
        "read_only" : 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,
        "non_empty" : false,
        "pick_list" : true,
        "public" : true,
        "read_only" : 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,
        "non_empty" : 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,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : 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,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : 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,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
},
"values" : [
    {
        "key" : "New year holidays",
        "value" : "2017-01-02"
    },
    {
        "value" : "2017-01-03"
    }
]
},
{
"name" : "AttrPickListDouble",
"description" : "",
"type" : "DOUBLE",
"options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : 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,
            "non_empty" : false,
            "pick_list" : true,
            "public" : true,
            "read_only" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "values" : [
            {
                "value" : 1
            },
            {
                "value" : 2
            }
        ]
    },
    {
        "name" : "AttrPickListInt16",
        "description" : "",
        "type" : "INT16",
        "options" : {
            "append_only" : false,
            "included_in_aip" : false,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : true,
            "public" : true,
            "read_only" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "values" : [
            {
                "value" : 1
            },
            {
                "value" : 2
            }
        ]
    },
    {
        "name" : "AttrPickListInt32",
        "description" : "",
        "type" : "INT32",
        "options" : {
            "append_only" : false,
            "included_in_aip" : false,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : true,
            "public" : true,
            "read_only" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        }
    }
]
```

```
        },
        "values" : [
            {
                "value" : 1
            },
            {
                "value" : 2
            }
        ]
    },
    {
        "name" : "AttrPickListInt64",
        "description" : "",
        "type" : "INT64",
        "options" : {
            "append_only" : false,
            "included_in_aip" : false,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : true,
            "public" : true,
            "read_only" : 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,
            "non_empty" : 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,
            "non_empty" : 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" : "AttrPicklistBool",
  "description" : "Picklist Bool attribute",
  "type" : "BOOL",
  "options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  },
  "values" : [
    {
      "key" : "Ok",
      "value" : true
    },
    {
      "key" : "Cancel",
      "value" : false
    }
  ]
},
{
  "name" : "AttrPicklistDateTime",
  "description" : "Picklist DateTime attribute",
  "type" : "DATE_TIME",
  "options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  },
  "values" : [
    {
      "key" : "New year's day",
      "value" : "2016-01-01T01:00:00"
    },
    {
      "key" : "New year's eve - Silvester",
      "value" : "2016-12-31T01:00:00"
    }
  ]
},
{
  "name" : "AttrPicklistDirectoryEntity",
  "description" : "Picklist DirectoryEntity attribute",
  "type" : "DIRECTORY_ENTITY",
  "options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : false,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : true,
    "public" : true,
    "read_only" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  }
}
```

```
        },
        "values" : [
            {
                "key" : "Alex Nelson",
                "value" : {
                    "id" : "alexnelson",
                    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/alexnelson.json"
                }
            },
            {
                "key" : "John Smith",
                "value" : {
                    "id" : "johnsmith",
                    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/johnsmith.json"
                }
            }
        ]
    ],
    {
        "name" : "AttrTime",
        "description" : "Time attribute",
        "type" : "TIME",
        "options" : {
            "append_only" : false,
            "included_in_aip" : false,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        }
    }
]
}
```

## 5.1.8 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.

### 5.1.8.1 Directory entities read

Operation reads directory entities.

#### Request

##### **GET archives/{archiveld}/directory.json**

###### *Fields*

archiveld	String	Unique identifier of the archive.
-----------	--------	-----------------------------------

## Request header

Authorization: Bearer [session token]

## Response

See [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/IARC96/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/IARC96/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"  
    }  
]
```

```
}
```

### 5.1.8.2 Directory entity read

Operation reads directory entity.

#### Request

##### **GET archives/{archiveld}/directory/{id}.json**

#### *Fields*

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

#### Request header

Authorization: Bearer [session token]

#### Response

See [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 directory entity read.

#### Request

GET https://apps.imis.eu/scsvc/archives/IARC96/directory/IMiS%20user%20group.json

#### Request header

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

## 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" : ""
      }
    ]
  }
}
```

### **5.1.8.3 Directory entity members read**

Operation reads members of the selected directory entity group.

#### Request

#### **GET archives/{archiveld}/directory/{id}/members.json**

##### *Fields*

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

#### Request header

Authorization: Bearer [session token]

## Response

See [DirectoryEntitiesResponse](#)

#### Response status

200 – Directory entity members read successfully.

401 - Unauthorized, username and password are incorrect.

404 - Objects not found.

500 - Server error.

## Example

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

### Request

```
GET https://apps.imis.eu/scsvc/archives/IARC96/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"
    }
  ]
}
```

## 5.1.9 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.

### 5.1.9.1 Retention policies read

Operation reads entity retention policies.

#### Request

#### **GET archives/{archiveld}/retention\_policies.json**

##### *Fields*

archiveld	String	Unique identifier of the archive.
-----------	--------	-----------------------------------

#### Request header

Authorization: Bearer [session token]

#### Response

See [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/IARC96/retention\_policies.json

#### Request header

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

#### Response

##### *Definition*

```
{  
  "retention_policies" : [{  
    "id" : "AywTRqKdetY4sSzhfzUNuhA-4_raqO6O1b01C_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/IARC96/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/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-4_r4Ipw/objects.json"
    }
  ]
}
```

### 5.1.9.2 Retention policy read

Operation reads entity retention policy.

#### Request

##### **GET archives/{archiveld}/retention\_policies/{id}.json**

#### *Fields*

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

#### Request header

Authorization: Bearer [session token]

#### Response

See [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/IARC96/retention_policies/AywTRqKdetY4sSZhfv
UNuhA-4_raqO601b0lC_r4Ipw.json
```

### Request header

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

### Response

#### *Definition*

```
{
  "retention_policy" : {
    "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0lC_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/IARC96/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/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-
4_raqO601b0lC_r4Ipw/objects.json"
      }
    ]
  }
}
```

## 5.1.9.3 Entity retention policy objects read

Operation reads entity retention policy objects.

### Request

**GET archives/{archiveld}/retention\_policies/{id}/objects.json**

#### *Fields*

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

### Request header

Authorization: Bearer [session token]

### Response

See [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 retention policy objects read.

### Request

```
GET https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/  
AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0lC_r4Ipw/objects.json
```

### Request header

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

### 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/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-  
4_raqO601b0lC_r4Ipw/objects/100705023"}  
    ]  
  }]
```

```

    "type" : "content_with_metadata",
    "uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-
4_raqO601b01C_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/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-
4_raqO601b01C_r4Ipw/objects/100705024"
},
{
"type" : "content_with_metadata",
"uri" :
"https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/AywTRqKdetY4sSZhfvUNuhA-
4_raqO601b01C_r4Ipw/objects/100705024.json"
}
]
}
]
}
}

```

#### **5.1.9.4 Entity retention policy content objects read**

Operation reads retention policy content objects.

##### Request

**GET archives/{archiveld}/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 retention policy content objects.

#### Request

```
GET https://apps.imis.eu/scsvc/archives/IARC96/entities/l:82c3d25661a4b26ad40827ad3  
ed32f8bca278db9c84f86de6535b735b48833f8/objects/100705998.json
```

#### Request header

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

#### Response

```
test
```

#### Response header

Content-Type: text/plain

Content-Length: 4

### **5.1.9.5 Entity retention policy object properties read**

Operation reads entity retention policy object properties.

#### Request

**GET archives/{archiveld}/retention\_policies/{id}/objects/{objectId}.json**

#### *Fields*

archiveld	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 [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/IARC96/retention_policies/  
032c1346a29d7ad638b126617f350dba103ee3fadaa8ee8ed5bd250bfaf8229c/objects/  
100705023.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"  
    }  
}
```

### **5.1.9.6 Retention policy audit log read**

Operation reads entity retention policy audit log.

## Request

### **GET archives/{archiveld}/retention\_policies/{id}/audit\_log.json**

#### *Fields*

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

#### Request header

Authorization: Bearer [session token]

## Response

See [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.

## **Example**

An example of the retention policy audit log read.

#### Request

```
GET https://apps.imis.eu/scsvc/archives/IARC96/retention_policies/
AywTRqKdetY4sSZhfvUNuhA-4_raqO6O1b0IC_r4lpw/audit_log.json
```

#### Request header

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

## Response

#### *Definition*

```
{
  "events" : [
    {
      "time" : "2015-09-25T08:30:41Z",
      "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" : {
    "id" : "johnsmith",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/johnsmith.json"
},
{
"time" : "2015-09-25T08:30:41Z",
"public_address" : "192.168.92.67",
"type" : "ENTITY_SAVE",
"user" : {
    "id" : "johnsmith",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/johnsmith.json"
}
}
```

## 5.1.10 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.

### 5.1.10.1 Entity content objects read

Operation reads entity content objects.

#### Request

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

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

#### Request header

Authorization: Bearer [session token]

#### Response

See [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/IARC96/entities/I:97350111d4b64b3f26351967aa391592cd3ff530fa7320dc611f149afb999e6a/objects.json>

### Request header

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

### Response

#### *Definition*

```
{  
    "objects" : [{  
        "id" : "100702892",  
        "description" : "rules_scheme.tif",  
        "size" : 24667,  
        "created" : "2016-04-21T13:15:41.310+02:00",  
        "accessed" : "2016-08-19T16:49:05.954+02:00",  
        "modified" : "2016-04-21T13:15:41.310+02:00",  
        "content_type" : "image/tiff",  
        "extension" : ".tif",  
        "links" : [{  
            "type" : "content",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:97350111d4b64b3f26351967aa391592cd3ff530fa7320dc611f149afb999e6a/objects/100702892"  
        }, {  
            "type" : "content_with_metadata",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:97350111d4b64b3f26351967aa391592cd3ff530fa7320dc611f149afb999e6a/objects/100702892.json"  
        }  
    }  
    ]  
}, {  
    "id" : "100704444",  
    "description" : "authorization_scheme.tif",  
    "size" : 41222,  
    "created" : "2016-06-10T10:50:42.760+02:00",  
    "accessed" : "2016-08-19T16:56:18.813+02:00",  
    "modified" : "2016-06-10T10:51:00.607+02:00",  
    "content_type" : "image/tiff",  
    "extension" : ".tif",  
    "links" : [{  
        "type" : "content",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:97350111d4b64b3f26351967aa391592cd3ff530fa7320dc611f149afb999e6a/objects/100704444"  
        }, {  
            "type" : "content_with_metadata",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:97350111d4b64b3f26351967aa391592cd3ff530fa7320dc611f149afb999e6a/objects/100704444.json"  
        }  
    }  
}]
```

```
}
```

### 5.1.10.2 Entity content object read

Operation reads entity content object.

#### Request

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

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

#### *Fields*

objectId	String	Unique identifier of the entity content object.
----------	--------	---

#### 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/IARC96/entities/I:818ab674825358fccad8728cae072f676e4ebd1e2ae0a9dd1c659855f0e0fa33/objects/100706979

### Request header

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

### Response

```
test
```

### Response headers

Content-Type: text/plain

Content-Length: 4

## **5.1.10.3 Entity content object and properties read**

Operation reads entity content object properties.

### Request

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

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

### Request header

Authorization: Bearer [session token]

### Response

See [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/IARC96/entities/I:82c3d25661a4b26ad40827ad3  
ed32f8bca278db9c84f86de6535b735b48833f8/objects/100705998.json
```

### Request header

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

### Response

#### *Definition*

```
{  
    "object" : {  
        "container_id" : "PublicContent",  
        "id" : "100705998",  
        "description" : "Mandates.txt",  
        "size" : 8,  
        "created" : "2016-07-25T15:01:15.863+02:00",  
        "accessed" : "2016-11-02T15:03:08.849+02:00",  
        "modified" : "2016-07-25T15:01:15.863+02:00",  
        "content_type" : "text/plain",  
        "extension" : ".txt"  
    }  
}
```

## 5.1.10.4 Entity object create

Operation creates entity content object.

### Request

#### **POST archives/{archivId}/entities/{entityIdKind}:{id}/objects**

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

### Request header

Authorization: Bearer [session token]

Content-Type: Content type

## Parameters zahtevka

### *Fields*

description	String	A description of the entity content object (optional).
containerId	String	Unique identifier of additional entity content object container (optional).

### Request content

Object dataset.

### Response

See [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.97/entities/I:QQ9mDne6yHvxuKhsgy$onlck  
EAcipi9POyGMmtOw8NE/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/IARC.97/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcipi9P0yGMmtow8NE/objects/100677409"
      },
      {
        "type": "content_with_metadata",
        "uri": "https://apps.imis.eu/scsvc/archives/IARC.97/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcipi9P0yGMmtow8NE/objects/100677409.json"
      }
    ]
  }
}
```

## **5.1.10.5 Entity object update**

Operation updates entity content object and description.

### Request

#### **PUT archives/{archiveId}/entities/{entityIdKind}:{id}/objects/{id}**

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

#### *Fields*

description	String	A description of the content object (optional).
-------------	--------	---

### Request content

Object dataset.

## Response

See [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.97/entities/  
I:QQ9mDne6yHvxuKhsgySonlckEAcipi9P0yGMmtOw8NE/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/IARC.97/entities/I:QQ9mDne6yHvxuKhsgySonlckEAcipi9P0yGMm  
tOw8NE/objects/100677409"  
    }, {
```

```
        "type": "content_with_metadata",
        "uri":
"https://apps.imis.eu/scsvc/archives/IARC.97/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcipi9P0yGMm
tow8NE/objects/100677409.json"
    }
}
}
```

### 5.1.10.6 Entity object delete

Operation deletes entity content object.

#### Request

#### **DELETE archives/{archiveld}/ entities/{entityIdKind}:{id}/objects/{id}.json**

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

#### 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/IARC96/entities/
I:82c3d25661a4b26ad40827ad3ed32f8bca278db9c84f86de6535b735b48833f8/objects/
100705998.json
```

#### Request header

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

### Response status

200 – Entity content object deleted successfully.

## **5.1.11 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.

### **5.1.11.1 Entity authenticity and integrity proofs read**

Operation reads the entity authenticity and integrity proofs.

#### Request

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

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

#### Request header

Authorization: Bearer [session token]

#### Response

See [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/IARC96/entities/
I:fn7bkQwl89P1DupVWGLrarzEC6vVCB1-jWoSBmr4lZA/nonrepudiation.json
```

## Request header

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

## Response

### *Definition*

```
{
  "nonrepudiation" : {
    "archival_information_package" :
"PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluzz0iVVRLTgiPz48YlwOkFJUCB4bWxucphaxA9Imh0dHA6Ly93d3cu
aW1pcy5ldS9pbWlzYXJjL2FpcCIgeGlsbnM6ZHM9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvMDkveGlsZHNpZyMiPjxha
XA6SGVhZGVyIFZlcnPb249IjEiPjxkcPdyW5vbmljYWxpeM0aw9uTWV0aG9kIEFsZ29yaXR0bT0iaHR0cDovL3d3dy
53My5vcmcvFIVmJAwMS9SRUMteGlsLWMxNG4tMjAwMTAzMTUiLz48L2FpcDpIZWFkZXI+PGFpcDpBdHRyaWJ1dGUgSWQ
9IkF0cm1idXQgOTMiIFR5cGU9IjciLz48YlwOkF0dHJpYnV0ZSBJD0iQXRyaWJ1dCA5OSiQVHlwZT0iMTg1lZ48Ylw
OkF0dHJpYnV0ZSBJD0ic3lzOkNvbw1pdExvZyIgVHlwZT0iMTciLz48YlwOkNvbnRlnQgSWQ9InN5czpDb250ZW50I
j48YlwOkNvbnRlnRWYwx1ZT48ZHM6RGlzXN0TVW0aG9kIEFsZ29yaXR0bT0iaHR0cDovL3d3dy53My5vcmcvMjAwMS
8wNC94bWxlbmMjc2hhMjU2Ii8+PGRzOkRpZ2VzdFzhbHV1Pk52MDZMaHNUR1pWZOnjU2t30TA1U0pXQWkzNHdzKytOWHY
4RWYrUXFpmjA9PC9kcPzEaWdlc3RWYwx1ZT48L2FpcDpDb250ZW50VmFsdWU+PGFpcDpDb250ZW50VmFsdWU+PGRzOkRp
Z2VzdE11dGhvZCBBbGdvcm10aG09Imh0dHA6Ly93d3cudzMub3JnLzIwMDEvMDQveGlsZw5jI3NoYTI1NiIvPjxkcPzEa
Wdlc3RWYwx1ZT5vbE9xQW9FbVp4ajZUExdHaj1oRzR6MVBN1BtMFVpaFRxMjNBUXMxDVrPTwvZHM6RGlzXN0VmFsdW
U+PC9haXA6Q29udGVudFzhbHV1PjwvYlwOkNvbnRlnQ+PC9haXA6QUlQPg==",
    "evidence_records" : [
      "PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluzz0iVVRLTgiPz48RXZpZGVuY2VSZWNvcmQgeGlsbnM9InVybJppZX
RmOnBhcmFtczp4bWw6bnM6ZXJzIiBWZJzaW9uPSIxLjAiPjxBcmNoaXZlVGltZVN0YW1wU2VxdWVuY2U+PEFyY2hpdmV
Uaw11U3RhXBDAGFpbIBPcmRlcj0iMSI+PERpZ2VzdE11dGhvZCBBbGdvcm10aG09Imh0dHA6Ly93d3cudzMub3JnLzIw
MDAvMDkveGlsZHNpZyNzaGEIxIi8+PENhb9uaWNhbG16YXRpb25NZXRob2QgQWxnb3JpdGhtPSJodHRwOi8vd3d3LnczL
m9yZy9UU18yMDAxL1JFQy14bWwtYzEObi0yMDAxMDMxNSIvPjxBcmNoaXZlVGltZVN0YW1wIE9yZGVyPSIxIj48SGFzaF
RyzWU+PFNlcXVlbmN1IE9yZGVyPSIxIj48RGlnZXN0VmFsdWU+aEU5cnpMTXVTbGFOWkIxSzky0MrM0NNRzh3PTwvRg1
nZxN0VmFsdWU+PERpZ2VzdFzhbHV1PjBaYjVSMmlSRWJ3b043MzY0LzNEcfZhoxDtcz08L0RpZ2VzdFzhbHV1PjwvU2Vx
dWVY2U+PC9IXNoVHJ1ZT48VGltZVN0YW1wPjxUaW11U3RhXBUB2t1biBUeXb1PSJYTUXFT1RSVVNUij48ZHNpZzpTa
WduYXR1cmUgeGlsbnM6ZHNpZz0iaHR0cDovL3d3dy53My5vcmcvMjAwMC8wOS94bWxkc2lnIyIg8SWQ9I1RpbWVIdGFTcF
Rva2VuIj48ZHNpZzpTaWduZWRJbmZvPjxkc2lnOkNhbm9uaWNhbG16YXRpb25NZXRob2QgQWxnb3JpdGhtPSJodHRwOi8
vd3d3LnczLm9yZy9UU18yMDAxL1JFQy14bWwtYzEObi0yMDAxMDMxNSIvPjxkc2lnO1NpZ25hdHVyZU1ldGhvZCBBbGdv
...
    ]
  }
}
```

## **5.1.12 Audit log**

The audit log contains records on user activity on certain entities.

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

### **5.1.12.1 Entity audit log read**

Operation reads entity audit log.

#### Request

**GET archives/{archiveId}/entities/{entityIdKind}:{id}/audit\_log.json**

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

## Request header

Authorization: Bearer [session token]

## Response

See [AuditLog](#)

## Response status

200 – Entity audit log read successfully.

404 - Objects not found.

401 - Unauthorized, username and password are incorrect.

500 - Server error.

## **Example**

An example of the entity audit log read.

### Request

```
GET https://apps.imis.eu/scsvc/archives/IARC96/entities/I:350d8c293c4bbd284b3be30010  
152c5a486bc1744f8895d2b752c4d0bd14ba46/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/IARC96/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/IARC96/directory/marcowelch.json"  
      }  
    }  
  ]  
}
```

```
        "id" : "marcowelch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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/IARC96/directory/marcowelch.json"
}
}
]
```

## 5.1.13 Search

Search enables metadata and entity content search.

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

### 5.1.13.1 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/{archiveld}/entities/{entityIdKind}:{id}/search.json**

Search is provided under the selected entity. The set of entityIdKind values: C, E, I.

and

##### **GET archives/{archiveld}/search.json**

Search is provided on the entire archive.

#### 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	<p>The filter defines the scope of the entity information (optional).</p> <p>The set of values:</p> <ul style="list-style-type: none"> <li>- all: All public information and links to the entities.</li> <li>- links: Links to the entities.</li> <li>- props: Public information on entity properties.</li> <li>- templates: Templates for child entities creation.</li> </ul>
pageStart	Int	The beginning of the page (optional).
pageSize	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> 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).

## Response

See [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/IARC96/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/IARC96/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E.json"
          },
          {
            "type" : "entity:stub",
            "uri" :
              "https://apps.imis.eu/scsvc/archives/IARC96/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E/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/IARC96/entities/I:EgF0\_TREPI6zZtCDPzYlkD3FsK-Egg\_HMOoc\_\_HIsK8.json"
          },
          {
            "type" : "entity:stub",
            "uri" :
              "https://apps.imis.eu/scsvc/archives/IARC96/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"
      }
    ]
  }
}
```

## 5.1.14 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.

### 5.1.14.1 Entities disposition holds read

Operation reads entities disposition holds.

#### Request

##### **GET archives/{archiveId}/disposition\_holds.json**

#### Request header

Authorization: Bearer [session token]

#### Response

See [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/IARC96/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",  
    "status" : "Active"  
  }]  
}
```

```

"reason" : "Hold for permanent entities",
"creator" : {
    "id" : "johnsmith",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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" : "pmn03Bze3jqedwBHlfObjIvMeZveMRzx5_T27QH8sQC4",
"name" : "Time limited hold",
"reason" : "Hold for entities",
"creator" : {
    "id" : "ronsalazar",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/directory/ronsalazar.json"
}
}
]
}

```

### 5.1.14.2 Entity disposition hold read

Operation reads entity disposition hold.

#### Request

##### **GET archives/{archiveId}/disposition\_holds/{id}.json**

#### *Fields*

id	String	Unique identifier of the entity disposition hold.
----	--------	---

#### Request header

Authorization: Bearer [session token]

#### Response

See [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/IARC96/disposition_holds/
DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json
```

### Request header

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

### 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/IARC96/directory/marcowelch.json"
    }
  }
}
```

## 5.1.14.3 Entity disposition hold audit log read

Operation reads entity disposition hold audit log.

### Request

**GET archives/{archiveld}/disposition\_holds/{id}/audit\_log.json**

#### *Fields*

id	String	Unique identifier of the entity disposition hold.
----	--------	---

### Request header

Authorization: Bearer [session token]

### Response

See [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/IARC96/disposition_holds/  
DVAh3WDAb88J_kLWrGGkQOcn5aadklPV7RfvhleeGZY/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" : "marcowelch",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC96/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/IARC96/directory/marcowelch.json"  
      }  
    }  
  ]  
}
```

## 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 send 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 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*

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.
Capabilities	<a href="#">ArchiveCapabilities</a>	The information on user roles.

#### 5.2.1.2 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.
importExport	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.
review	Boolean	The role display the reviews in the review process.

### 5.2.1.3 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

id	String	Unique identifier of the archive.
Name	String	The name of the archive server.
Description	String	A description of the archive server.
Host	String	The address of the archive server.

### 5.2.1.4 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>

```

<code>&lt;/xsi:complexType&gt;</code>
---------------------------------------

*Parameters*

SessionToken	String	Unique identifier of the session.
--------------	--------	-----------------------------------

### 5.2.1.5 ArchiveReadResponse

Object provides response to the archive read.

*Scheme*

<code>&lt;xsi:complexType name="ArchiveReadResponse"&gt;   &lt;xsi:annotation&gt;     &lt;xsi:documentation&gt;Represents a ArchiveRead operation response&lt;/xsi:documentation&gt;   &lt;/xsi:annotation&gt;   &lt;xsi:sequence&gt;     &lt;xsi:element name="Archive" type="tns:Archive"/&gt;   &lt;/xsi:sequence&gt; &lt;/xsi:complexType&gt;</code>
--

*Parameters*

Archive	<a href="#">Archive</a>	The archive server.
---------	-------------------------	---------------------

### 5.2.1.6 ArchivesReadRequest

Object provides request to read the archives.

*Scheme*

<code>&lt;xsi:complexType name="ArchivesReadRequest"&gt;   &lt;xsi:annotation&gt;     &lt;xsi:documentation&gt;Represents an ArchivesRead operation request&lt;/xsi:documentation&gt;   &lt;/xsi:annotation&gt;   &lt;xsi:sequence&gt;     &lt;/xsi:sequence&gt; &lt;/xsi:complexType&gt;</code>
--

### 5.2.1.7 ArchivesReadResponse

Object provides response to the archives read.

*Scheme*

<code>&lt;xsi:complexType name="ArchivesReadResponse"&gt;   &lt;xsi:annotation&gt;     &lt;xsi:documentation&gt;Represents an ArchivesRead operation response&lt;/xsi:documentation&gt;   &lt;/xsi:annotation&gt;   &lt;xsi:sequence&gt;     &lt;xsi:element name="Archive" type="tns:ArchiveConfig" minOccurs="0" maxOccurs="unbounded"/&gt;   &lt;/xsi:sequence&gt; &lt;/xsi:complexType&gt;</code>
---

*Parameters*

Archive	<a href="#">ArchiveConfig</a> []	The archive servers (optional).
---------	----------------------------------	---------------------------------

### 5.2.1.8 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>
```

*Parameters*

Details	String	A detailed description of audit log event (optional).
time	String	Date and time of audit log event.
user	String	The user who carried out audit log event.
publicAddress	String	External IP address.
localAddress	String	Internal IP address.
computerName	String	The name of the computer device.
type	<a href="#">AuditLogEventType</a>	Audit log event type.

### 5.2.1.9 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:restriction>
</xsi:simpleType>
```

```

<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>

```

### 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.
Unused2	Enumerator.
Unused3	Enumerator.
ContentPartOpenReadOnly	Enumerator.
ContentPartOpenReadWrite	Enumerator.
ContentPartCreate	Enumerator.
ContentPartDelete	Enumerator.
ContentPartSave	Enumerator.
ContentPartMetadataChange	Enumerator.
EntityDisposed	Enumerator.
EntityPermanent	Enumerator.
EntityTransferred	Enumerator.
EntityReviewed	Enumerator.

### 5.2.1.10 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).

### 5.2.1.11 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	<a href="#">BinaryValue</a> []	»Binary« property value (optional).
key	String	Value key (optional).

**5.2.1.12 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	<a href="#">BinaryValue</a> []	»Boolean« property value (optional).
-------	--------------------------------	--------------------------------------

**5.2.1.13 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.

**5.2.1.14 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.

### **5.2.1.15 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.
-------	------------	---------------------------

### **5.2.1.16 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.

### 5.2.1.17 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.
-------	---------	------------------------

### 5.2.1.18 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.

**5.2.1.19 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.
-------	-------------	----------------------------

**5.2.1.20 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.

**5.2.1.21 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.
-------	------------	---------------------------

**5.2.1.22 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.

### 5.2.1.23 DirectoryEntityMembersReadResponse

Object provides response to the directory entity group members read.

*Scheme*

```
<xsi:complexType name="DirectoryEntityMembersReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a DirectoryEntityMembersRead 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	<a href="#">DirectoryEntity</a> []	Directory entity.
-----------------	------------------------------------	-------------------

### 5.2.1.24 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	<a href="#">DirectoryEntityType</a>	Directory entity type.
id	String	Unique identifier of the directory entity.

### 5.2.1.25 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>
```

*Parameters*

Value	String []	Unique identifies of the directory entities.
key	String	Value key.

### 5.2.1.26 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.
-------	-----------	--

### 5.2.1.27 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 an user.

### 5.2.1.28 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the directory entity (optional).

### 5.2.1.29 DirectoryEntitiesReadResponse

Object provides response to the directory entities read.

*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	<a href="#">DirectoryEntity</a> []	Directory entity (optional).
-----------------	------------------------------------	------------------------------

**5.2.1.30 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).

**5.2.1.31 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>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the entity disposition hold.

**5.2.1.32 DispositionHoldAuditLogReadResponse**

Object provides response to the entity disposition hold audit log read.

*Scheme*

```
<xsi:complexType name="DispositionHoldAuditLogReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an DispositionHoldAuditLogRead 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	<a href="#">AuditLogEvent</a> []	Entity audit log events (optional).
-------	----------------------------------	-------------------------------------

**5.2.1.33 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.

**5.2.1.34 DispositionHoldsReadResponse**

Object provides response to the entity disposition holds read.

*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>
```

```
</xsi:sequence>
</xsi:complexType>
```

*Parameters*

DispositionHold	<a href="#">DispositionHold []</a>	Entity disposition holds (optional).
-----------------	------------------------------------	--------------------------------------

**5.2.1.35 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.

**5.2.1.36 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.
-------	-----------	--------------------------

**5.2.1.37 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>
```

*Parameters*

Subject	String	Email subject (optional).
From	String	Email address of the sender.
To	String []	Email addresses of the recipients (optional).
CC	String []	Email addresses of the carbon copy recipients (optional).
BCC	String []	Email addresses of hidden recipients (optional).
Date	DateTime	Date and time email was sent or received.
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).

**5.2.1.38 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:sequence>
</xsi:complexType>
```

```

<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.
To	String []	Email addresses of the recipients.
CC	String []	Email addresses of the carbon copy recipients (optional).
BCC	String []	Email addresses of hidden recipients (optional).
Date	DateTime	Date and time email was sent or received.
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).

#### 5.2.1.39 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:sequence>
</xsi:complexType>

```

#### Parameters

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
Filter	<a href="#">EntityStubFilter</a>	Entity filter information (optional).
Paging	<a href="#">EntityStubPaging</a>	Entity paging information (optional).

### 5.2.1.40 EntitiesReadResponse

Object provides response to the entities read.

*Scheme*

```
<xsi:complexType name="EntitiesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a EntitiesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EntityStub" type="tns:EntityStub" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

EntityStub	<a href="#">EntityStub</a> []	Entity information (optional).
------------	-------------------------------	--------------------------------

### 5.2.1.41 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	<a href="#">EmailProperties</a>	Email properties (optional).
PhysicalProperties	<a href="#">PhysicalProperties</a>	The physical content properties (optional).

### 5.2.1.42 EntityACLDelEntryRequest

Object provides request to delete the entity access right.

*Scheme*

```
<xsi:complexType name="EntityACLDelEntryRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLDelEntry 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	<a href="#">EntityId</a>	Unique identifier of the entity.
DirectoryEntityId	String	Unique identifier of the directory entity.
PropertyId	String	Unique identifier of the entity property (optional).

### 5.2.1.43 EntityACLDelEntryResponse

Object provides response to the entity access right delete.

*Scheme*

```
<xsi:complexType name="EntityACLDelEntryResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLDelEntry operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    </xsi:sequence>
</xsi:complexType>
```

### 5.2.1.44 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	<a href="#">EntityId</a> []	Unique identifier of the entity.
EntityACLEntry	<a href="#">EntityACLEntryUpdate</a> []	Entity access right update.
PropertyACL	<a href="#">PropertyACLCREATE</a> []	Entity property access right create.

### 5.2.1.45 EntityACLEntriesCreateResponse

Object provides response to the entity access rights create.

*Scheme*

```
<xsi:complexType name="EntityACLEntriesCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLEntriesCreate operation</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	<a href="#">EntityACLEntry</a> []	The right to access the entity.
PropertyACL	<a href="#">PropertyACL</a> []	The right to access the entity property.

### 5.2.1.46 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="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="directoryEntityId" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

EffectiveRights	<a href="#">EntityRights</a>	Effective entity rights (optional).
ExplicitAllowRights	<a href="#">EntityRights</a>	Explicit allow rights (optional).
ExplicitDenyRights	<a href="#">EntityRights</a>	Explicit deny rights (optional).
InheritedAllowRights	<a href="#">EntityRights</a>	Inherited allow rights (optional).
InheritedDenyRights	<a href="#">EntityRights</a>	Inherited deny rights (optional).
directoryEntityId	String	Unique identifier of the directory entity.

### 5.2.1.47 EntityACLEntryUpdate

Object updates the 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="directoryEntityId" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

ExplicitAllowRights	<a href="#">EntityRights</a>	Explicit allow rights (optional).
ExplicitDenyRights	<a href="#">EntityRights</a>	Explicit deny rights (optional).
directoryEntityId	String	Unique identifier of the directory entity.

### 5.2.1.48 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	<a href="#">EntityId</a>	Unique identifier of the entity.
EntityACLEntryUpdate	<a href="#">EntityACLEntryUpdateRequestChoice</a>	Entity access right update (optional).

### 5.2.1.49 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	<a href="#">EntityACLEntryUpdate</a>	Entity access right update (optional).
PropertyACL	<a href="#">PropertyACLUpdate</a>	Entity property access right update (optional).

### 5.2.1.50 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	<a href="#">EntityACLEntry</a>	The right to access the entity (optional).
PropertyACL	<a href="#">PropertyACL</a>	The right to access the entity property (optional).

### 5.2.1.51 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	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.52 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>
```

*Parameters*

EntityACLEntry	<a href="#">EntityACLEntry</a> []	The right to access the entity (optional).
PropertyACL	<a href="#">PropertyACL</a> []	The right to access the entity properties (optional).

### 5.2.1.53 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	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.54 EntityAuditLogReadResponse

Object provides response to the entity audit log read.

*Scheme*

```
<xsi:complexType name="EntityAuditLogReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityAuditLogRead 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	<a href="#">AuditLogEvent</a> []	Entity audit log event (optional).
-------	----------------------------------	------------------------------------

**5.2.1.55 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	<a href="#">EntityId</a>	Unique identifier of the entity.

**5.2.1.56 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>
```

**5.2.1.57 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:sequence>
</xsi:complexType>
```

```

<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	<a href="#">InheritedStringPropertyUpdate</a>	Entity security class update (optional).
Status	<a href="#">InheritedStringPropertyUpdate</a>	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	<a href="#">InheritedStringPropertyUpdate</a>	Entity significance update (optional).
ExternalId	String []	External identifier of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Retention	<a href="#">RetentionUpdate</a>	Entity retention policy and disposition hold update (optional).
Property	<a href="#">PropertyUpdate []</a>	Entity property update (optional).
EmailProperties	<a href="#">EmailPropertiesUpdate</a>	Email properties update (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties update (optional).

### 5.2.1.58 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:sequence>
</xsi:complexType>

```

*Parameters*

SessionToken	String	Unique identifier of the session.
ParentId	<a href="#">EntityId</a>	Unique identifier of the parent entity (optional).
EntityCreate	<a href="#">EntityCreate</a>	Entity create.

**5.2.1.59 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:sequence>
</xsi:complexType>
```

*Parameters*

Entity	<a href="#">Entity</a>	Entity information.
--------	------------------------	---------------------

**5.2.1.60 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
Reason	String	The reason for entity deletion.
Description	String	A description of the deleted entity (optional).

### 5.2.1.61 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>
```

### 5.2.1.62 EntityEditRequest

Object provides the request to open an entity for read and update.

*Scheme*

```
<xsi:complexType name="EntityEditRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityEdit 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	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.63 EntityEditResponse

Object provides response to the entity edit.

*Scheme*

```
<xsi:complexType name="EntityEditResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityEdit operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Id	<a href="#">EntityId</a>	Unique identifier of the open entity.
----	--------------------------	---------------------------------------

### 5.2.1.64 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	<a href="#">EntityIdType</a>	Entity identifier type.
------	------------------------------	-------------------------

### 5.2.1.65 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.

### 5.2.1.66 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:sequence>
</xsi:complexType>
```

```

<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	<a href="#">EntityId</a>	Unique identifier of the entity.
ParentId	<a href="#">EntityId</a>	Unique identifier of the parent entity (optional).
Reason	String	The reason for entity move.

### 5.2.1.67 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	<a href="#">EntityStub</a>	Entity information.
------------	----------------------------	---------------------

### 5.2.1.68 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	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.69 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
  </xsi:documentation>
  <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>
```

*Parameters*

ArchivallnformationPackage	base64Binary	Archival information package (AIP, optional).
EvidenceRecord	base64Binary []	Evidence record (ERS, optional).

### 5.2.1.70 EntityObjectCreateRequest

Object provides request to create the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCreate operation
  </xsi:documentation>
  <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	<a href="#">EntityId</a>	Unique identifier of the entity.
Object	<a href="#">ObjectCreate</a> []	Entity object create.

### 5.2.1.71 EntityObjectCreateResponse

Object provides response to the entity object create.

*Scheme*

```
<xsi:complexType name="EntityObjectCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCreate operation
  </xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
```

```
<xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
</xsi:sequence>
</xsi:complexType>
```

*Parameters*

Object	<a href="#">ObjectItem []</a>	Entity object information.
--------	-------------------------------	----------------------------

**5.2.1.72 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object.

**5.2.1.73 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>
```

**5.2.1.74 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="ObjectId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
ObjectId	String	Unique identifier of the entity object (optional).

**5.2.1.75 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	<a href="#">ObjectItem</a> []	Object provides information on entity object.
--------	-------------------------------	---

**5.2.1.76 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
Object	<a href="#">ObjectUpdate</a>	Object provides entity object update.

### 5.2.1.77 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	<a href="#">ObjectItem</a>	Entity object information.
--------	----------------------------	----------------------------

### 5.2.1.78 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.79 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	<a href="#">EntityId</a>	Unique identifier of the entity.
----	--------------------------	----------------------------------

### 5.2.1.80 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.81 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	<a href="#">Entity</a>	Entity information.
--------	------------------------	---------------------

### 5.2.1.82 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	<a href="#">EntityId</a>	Unique identifier of the entity.
DispositionHold	<a href="#">RetentionDispositionHoldEntryUpdate</a> []	Entity disposition hold update.

**5.2.1.83 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	<a href="#">RetentionDispositionHoldEntry</a> []	Entity disposition hold.
-----------------	--	--------------------------

**5.2.1.84 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	<a href="#">EntityId</a>	Unique identifier of the entity.
DispositionHoldId	<a href="#">EntityRetentionDispositionHoldEntryDeleteRequestChoice</a>	Unique identifier of the entity disposition hold.

### 5.2.1.85 EntityRetentionDispositionHoldEntryDeleteRequestChoice

Object provides request to delete the entity disposition hold choice.

*Scheme*

```
<xsi:complexType name="EntityRetentionDispositionHoldEntryDeleteRequestChoice">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionDispositionHoldEntryDelete request choice</xsi:documentation>
  </xsi:annotation>
  <xsi:choice>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Name" type="xsi:string"/>
  </xsi:choice>
</xsi:complexType>
```

*Parameters*

Id	String	Unique identifier of the entity disposition hold.
Name	String	Unique name of the entity disposition hold.

### 5.2.1.86 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>
```

### 5.2.1.87 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	<a href="#">EntityId</a>	Unique identifier of the entity.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a> []	Entity retention policy update.

### 5.2.1.88 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	<a href="#">RetentionPolicyEntry</a> []	Entity retention policy.
-----------------	---	--------------------------

### 5.2.1.89 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	<a href="#">EntityId</a>	Unique identifier of the entity.
RetentionPolicyId	String	Unique identifier of the retention policy.

### 5.2.1.90 EntityRetentionPolicyEntryDeleteRequestChoice

Object provides request to delete the entity retention policy choice.

*Scheme*

```
<xsi:complexType name="EntityRetentionPolicyEntryDeleteRequestChoice">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntryDelete request
choice</xsi:documentation>
  </xsi:annotation>
  <xsi:choice>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Name" type="xsi:string"/>
  </xsi:choice>
</xsi:complexType>
```

*Parameters*

Id	String	Unique identifier of the entity retention policy.
Name	String	Unique name of the entity retention policy.

**5.2.1.91 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>
```

**5.2.1.92 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>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a>	Entity retention policy update.

**5.2.1.93 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	<a href="#">RetentionPolicyEntry</a>	Object provides information on entity retention policy.
-----------------	--------------------------------------	---

**5.2.1.94 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>
```

*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.
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.

### 5.2.1.95 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	<a href="#">EntitySearchHitObject</a> []	Entity objects as search result (optional).
--------	--	---

### 5.2.1.96 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).

### 5.2.1.97 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	<a href="#">EntityId</a>	Unique identifier of the entity (optional).
Expression	String	Search expression.
Filter	<a href="#">EntityStubFilter</a>	Entity search filter (optional).
Paging	<a href="#">EntityStubPaging</a>	Entity paging information (optional).

### 5.2.1.98 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="SearchHit" type="tns:EntitySearchHit" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SearchHit	<a href="#">EntitySearchHit</a> []	The list of entities as search result (optional).
-----------	------------------------------------	---

### 5.2.1.99 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	<a href="#">EntityId</a>	Unique identifier of the entity.
SecurityClass	<a href="#">InheritedStringPropertyUpdate</a>	Entity security class update.
Reason	String	The reason for entity security class update.

### 5.2.1.100 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	<a href="#">InheritedStringProperty</a>	Entity security class information.
---------------	---	------------------------------------

### 5.2.1.101 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	<a href="#">EntityId</a>	Unique identifier of the entity.
Status	<a href="#">InheritedStringPropertyUpdate</a>	Entity status update.
Reason	String	The reason for status update (optional).

### 5.2.1.102 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	<a href="#">InheritedStringProperty</a>	Entity status information.
--------	---	----------------------------

## 5.2.1.103 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"/>
    <xsi:element name="PublicClassificationCode" type="xsi:string"/>
    <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="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="xsi:string" 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="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="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Keyword" 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:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

### 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	<a href="#">EntityType</a>	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).
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	<a href="#">InheritedStringProperty</a>	The security class of the entity (optional).
Significance	<a href="#">InheritedStringProperty</a>	The significance of the entity (optional).
Status	<a href="#">InheritedStringProperty</a>	The status of the entity (optional).
Retention	<a href="#">Retention</a>	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).
ExternalId	String []	External identifier of the entity.
ChildClassificationCodeGenerated	Boolean	Child classification code generation (optional). Valid for entities type CLASS only.
ParentId	<a href="#">EntityId</a>	Unique identifier of the parent entity (optional).
EffectiveRights	<a href="#">EntityRights</a>	Effective rights to access directory entity (optional).
Property	<a href="#">Property</a> []	Entity property (optional).
id	String	Unique identifier of the entity.

### 5.2.1.104 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.

**5.2.1.105 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*

PageStart	UnsignedInt	The beginning of the page.
PageSize	UnsignedInt	The size of the page
Refresh	Boolean	If value is <i>true</i> than entity information is created again; otherwise it is created only first time.

**5.2.1.106 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.

### 5.2.1.107 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	<a href="#">EntityStub</a>	Public entity information.
------------	----------------------------	----------------------------

### 5.2.1.108 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.

### 5.2.1.109 EntityUpdate

Object updates the 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:sequence>
</xsi:complexType>
```

```

<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	<a href="#">InheritedStringPropertyUpdate</a>	The significance of the entity update (optional).
ExternalId	String []	External identifier of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity property (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties update.

### 5.2.1.110 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:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
EntityUpdate	<a href="#">EntityUpdate</a>	Entity update information.

### 5.2.1.111 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	<a href="#">Entity</a>	Entity public information.
--------	------------------------	----------------------------

### 5.2.1.112 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.
-----------	---------	--

### 5.2.1.113 InheritedStringPropertyUpdate

Object updates an 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.
-----------	---------	--

### 5.2.1.114 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.

### 5.2.1.115 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.
-------	---------	------------------------

### 5.2.1.116 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.

### 5.2.1.117 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.
-------	----------	-------------------------

### 5.2.1.118 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.

### 5.2.1.119 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.
-------	--------	-------------------------

### 5.2.1.120 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.

### 5.2.1.121 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.
-------	---------	-------------------------

### 5.2.1.122 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.

### 5.2.1.123 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.
-------	------------	--------------------------

### 5.2.1.124 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).

### 5.2.1.125 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="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: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).

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).
id	String	Unique identifier of the content.
EffectiveRights	<a href="#">PropertyRights</a>	Effective property rights (optional).

### 5.2.1.126 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).

### 5.2.1.127 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).
ReturnDue	Date	Return date of the issued content (optional).
StatusChange	DateTime	Date and time of the content status change (optional).

### 5.2.1.128 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).

### 5.2.1.129 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:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

Options	<a href="#">PropertyOptions</a>	Property options.
Description	String	A description of the property.
Type	<a href="#">.PropertyType</a>	Property type.
EffectiveRights	<a href="#">PropertyRights</a>	Effective rights to access the property (optional).
id	String	Unique identifier of the property.

### 5.2.1.130 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	<a href="#">PropertyACLEntry</a> []	Entity property right (optional).
propertyId	String	Unique identifier of the property.

### 5.2.1.131 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:sequence>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

PropertyACLEntry	<a href="#">PropertyACLEntryUpdate</a>	Entity property access right (optional).
propertyId	String	Unique identifier of the entity property.

### 5.2.1.132 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="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="directoryEntityId" type="xsi:string"/>
    </xsi:sequence>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

ExplicitAllowRights	<a href="#">PropertyRights</a>	Explicit allow right (optional).
ExplicitDenyRights	<a href="#">PropertyRights</a>	Explicit deny right (optional).
InheritedAllowRights	<a href="#">PropertyRights</a>	Inherited allow right (optional).
InheritedDenyRights	<a href="#">PropertyRights</a>	Inherited deny right (optional).
directoryEntityId	String	Unique identifier of directory entity (optional).

### 5.2.1.133 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	<a href="#">PropertyRights</a>	Explicit allow right (optional).
ExplicitDenyRights	<a href="#">PropertyRights</a>	Explicit deny right (optional).
directoryEntityId	String	Unique identifier of the directory entity (optional).

### 5.2.1.134 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).
------------------	------------------------	---

### 5.2.1.135 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="nonEmpty" 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="required" type="xsi:boolean"/>
<xsi:attribute name="searchable" type="xsi:boolean"/>
<xsi:attribute name="unique" 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.
multiValue	Boolean	Entity property can have more than one value.
nonEmpty	Boolean	Entity property cannot be empty.
pickList	Boolean	Entity property has predefined values.
public	Boolean	Entity property is public.
readOnly	Boolean	Entity property is read only.
required	Boolean	Entity property is required.
searchable	Boolean	Entity property value can be searched.
unique	Boolean	Entity property value is unique.

### 5.2.1.136 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.

### 5.2.1.137 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.
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.

### 5.2.1.138 PropertyUpdate

Object updates the 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.
----	--------	---

### 5.2.1.139 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	<a href="#">RetentionPolicyEntry []</a>	Entity retention policy information (optional).
DispositionHold	<a href="#">RetentionDispositionHoldEntry []</a>	Entity disposition hold information (optional).

### 5.2.1.140 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:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

Name	String	The unique name of the entity disposition hold.
Description	String	A description of the disposition hold.
id	String	Unique identifier of the entity disposition hold.

**5.2.1.141 RetentionDispositionHoldEntryUpdate**

Object updates the 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).

**5.2.1.142 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).

**5.2.1.143 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	<a href="#">RetentionPolicy</a> []	Entity retention policy (optional).
-----------------	------------------------------------	-------------------------------------

### 5.2.1.144 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.
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.

### 5.2.1.145 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.

### 5.2.1.146 RetentionPolicyAuditLogReadResponse

Object provides response to the entity retention policy audit log read.

*Scheme*

```
<xsi:complexType name="RetentionPolicyAuditLogReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an RetentionPolicyAuditLogRead 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	<a href="#">AuditLogEvent []</a>	Entity retention policy audit log event (optional).
-------	----------------------------------	---

### 5.2.1.147 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	<a href="#">RetentionPolicyEntryContext</a>	Explicit context of the retention policy.
InheritedContext	<a href="#">RetentionPolicyEntryContext []</a>	Inherited context of the retention policy.
id	String	Unique identifier of the retention policy.

**5.2.1.148 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	<a href="#">RetentionPolicyEntryFilter</a>	Entity retention policy filter.
effective	Boolean	Effective explicit retention policy of the selected entity.
scope	<a href="#">RetentionPolicyEntryScopeType</a>	The scope of the retention policy context.

**5.2.1.149 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.

### 5.2.1.150 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</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.

### 5.2.1.151 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:attribute name="scope" type="tns:RetentionPolicyEntryScopeType"/>
    <xsi:attribute name="id" type="xsi:string"/>
    <xsi:attribute name="name" type="xsi:string"/>
  </xsi:sequence>
```

*Parameters*

Filter	<a href="#">RetentionPolicyEntryFilter</a>	Entity retention policy filter (optional).
scope	<a href="#">RetentionPolicyEntryScopeType</a>	The scope of the retention policy context.

### 5.2.1.152 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>
```

<code>&lt;/xsi:complexType&gt;</code>
---------------------------------------

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the retention policy .

### 5.2.1.153 RetentionPolicyObjectsReadResponse

Object provides response to the entity retention policy content objects read.

*Scheme*

<code>&lt;xsi:complexType name="RetentionPolicyObjectsReadResponse"&gt;   &lt;xsi:annotation&gt;     &lt;xsi:documentation&gt;Represents an RetentionPolicyObjectsRead operation   response&lt;/xsi:documentation&gt;   &lt;/xsi:annotation&gt;   &lt;xsi:sequence&gt;     &lt;xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/&gt;   &lt;/xsi:sequence&gt; &lt;/xsi:complexType&gt;</code>
---

*Parameters*

Object	<a href="#">ObjectItem</a> []	Entity retention policy objects (optional).
--------	-------------------------------	---

### 5.2.1.154 RetentionUpdate

Object updates the entity retention policy and disposition hold.

*Scheme*

<code>&lt;xsi:complexType name="RetentionUpdate"&gt;   &lt;xsi:annotation&gt;     &lt;xsi:documentation&gt;Defines a type for updating retention&lt;/xsi:documentation&gt;   &lt;/xsi:annotation&gt;   &lt;xsi:sequence&gt;     &lt;xsi:element name="Policy" type="tns:RetentionPolicyEntryUpdate" minOccurs="0"   maxOccurs="unbounded"/&gt;     &lt;xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntryUpdate"   minOccurs="0" maxOccurs="unbounded"/&gt;   &lt;/xsi:sequence&gt; &lt;/xsi:complexType&gt;</code>
---

*Parameters*

Policy	<a href="#">RetentionPolicyEntryUpdate</a> []	Entity retention policy update.
DispositionHold	<a href="#">RetentionDispositionHoldEntryUpdate</a> []	Entity disposition hold update.

### 5.2.1.155 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>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
--------------	--------	-----------------------------------

### 5.2.1.156 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>
```

### 5.2.1.157 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:sequence>
</xsi:complexType>
```

*Parameters*

Archiveld	String	Unique identifier of the archive.
Authentications	<a href="#">Authentication</a>	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).

### 5.2.1.158 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:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
ApiVersion	int	API version.

### 5.2.1.159 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.

### 5.2.1.160 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.
-------	-----------	--------------------------

### 5.2.1.161 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="Property" type="tns:Property" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

EntityType	EntityType	Entity type.
Description	String	A description of the template.
EntityCount	unsignedInt	The number of entities where template is used.
Property	<a href="#">Property</a> []	Properties linked to the template.
id	String	Unique identifier of the template.

### 5.2.1.162 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).

**5.2.1.163 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	<a href="#">Template []</a>	Template (optional).
----------	-----------------------------	----------------------

**5.2.1.164 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.

**5.2.1.165 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.
-------	---------	-------------------------

**5.2.1.166 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.

**5.2.1.167 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.
-------	----------	--------------------------

**5.2.1.168 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.

**5.2.1.169 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.
-------	--------	--------------------------

**5.2.1.170 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.

**5.2.1.171 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.
-------	---------	---------------------------

**5.2.1.172 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.

**5.2.1.173 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.
-------	------------	---------------------------

**5.2.1.174 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.

**5.2.1.175 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 Archives****5.2.2.1 Archives read**

Operation reads archive servers available to the users.

Request

See [ArchivesReadRequest](#)

Response

See [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="IARC96">
<Host>iarc96.imis.si</Host>
<Port>16807</Port>
</Archive>
<Archive id="IARC97">
<Host>iarc97.imis.si</Host>
<Port>16807</Port>
</Archive>
</ArchivesReadResponse>
</S:Body>
</S:Envelope>
```

## **5.2.2.2 Archive read**

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

### Request

See [ArchiveReadRequest](#)

### Response

See [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.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
<ser:ArchiveReadRequest>
<ser:SessionToken>d93dc19a-0acb-42ce-8b0b-0dddb62592dc</ser:SessionToken>
</ser:ArchiveReadRequest>
</soapenv:Body>
</soapenv:Envelope>
```

**Response***Scheme*

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ArchiveReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <Id>IARC96</Id>
      <Host>iarc96.imis.si:16807</Host>
      <Capabilities auditQuery="true" deletion="true" importExport="true" reports="true"
review="true"/>
    </ArchiveReadResponse>
  </S:Body>
</S:Envelope>
```

**5.2.3 Session****5.2.3.1 Session open**

Operation opens a session to access the archive server.

Request

See [SessionOpenRequest](#)

Response

See [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>IARC97</ser:ArchiveId>
      <ser:Authentication>
        <ser:Username>admin</ser:Username>
        <ser:Password>xxxxxxxx</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>
```

### **5.2.3.2 Session close**

Operation closes the session.

#### Request

See [SessionCloseRequest](#)

#### Response

See [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>
```

## 5.2.4 Entity

### 5.2.4.1 Entities read

Operation reads the entities.

#### Request

See [EntitiesReadRequest](#)

#### Response

See [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="f1NI4IV1gz-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="4pyn3eeIdCU75bokcIn0qx1OrUZD7YkJvAvx-r_tdd4">
        <ClassificationCode>C=102</ClassificationCode>
        <PublicClassificationCode>102</PublicClassificationCode>
        <Title>Production</Title>
      </EntityStub>
    </EntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

```

<Type>Class</Type>
</EntityStub>
</EntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## 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="gYq2dIJTWpZK2HMKrgcvZ250vR4q4KndHGWYVfDg-jM">
        <ClassificationCode>C=60^D=00010</ClassificationCode>
        <PublicClassificationCode>60/00010</PublicClassificationCode>
        <Title>Business plan September</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="gsPSVmGksmrUCCePtMvi8onjbnIT4beZTW3NbSIM_g">
        <ClassificationCode>C=60^D=00012</ClassificationCode>
        <PublicClassificationCode>60/00012</PublicClassificationCode>
        <Title>Business plan October</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="GOgoddd_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="aIgT0BJxPaMCjwKsMnr0YlrmwKyWyKLzkyHMzlszQ9E">
        <ClassificationCode>C=60^D=00106</ClassificationCode>
        <PublicClassificationCode>60/00106</PublicClassificationCode>
        <Title>Business plan December</Title>
        <Type>Document</Type>
      </EntityStub>
    </EntitiesReadResponse>
  </S:Body>
</S:Envelope>

```

### 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>
    <SubEntityTypeTemplate>Class</SubEntityTypeTemplate>
    <SubEntityTypeTemplate>Case</SubEntityTypeTemplate>
    <SubEntityTypeTemplate>Document</SubEntityTypeTemplate>
    <SubEntityTypeTemplate>Email</SubEntityTypeTemplate>
    <SubEntityTypeTemplate>Email-Marko</SubEntityTypeTemplate>
    <SubEntityTypeTemplate>New document</SubEntityTypeTemplate>
    <SubEntityTypeTemplate>Custom Folder</SubEntityTypeTemplate>
    <ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
    <ParentId type="Internal">tftUzWnXzgjcsvX9-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>

```

### 5.2.4.2 Public entity information read

Operation reads the public entity information on single entity.

#### Request

See [EntityStubReadRequest](#)

#### Response

See [EntityStubReadResponse](#)

## **Example**

An example of public entity 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>c416a512-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-4vFT91j3g20k6WTq6JF4s">
        <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_raqO601b01C_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>
      </EntityStub>
    </EntityStubReadResponse>
  </S:Body>
</S:Envelope>
```

```

</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>

```

### 5.2.4.3 Entity open

Operation opens an entity for reading and returns a unique identifier of the open entity, which carry out different operations.

#### Request

See [EntityOpenRequest](#)

#### Response

See [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>

```

### 5.2.4.4 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).

#### Request

See [EntityEditRequest](#)

#### Response

See [EntityEditResponse](#)

#### **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>
```

### 5.2.4.5 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 [EntityCloseRequest](#)

## Response

See [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>
```

## **5.2.4.6 Entity read**

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

### Request

See [EntityReadRequest](#)

### Response

See [EntityReadResponse](#)

## Example

An example of the entity 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:EntityReadRequest>
      <ser:SessionToken>66f818c2-d4ba-47b0-8000-9ce5e73ea06b</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=129</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.si/storageconnector/services">
      <Entity id="BqVYKjxUYwCYi86ZgTPuT84DPwA3fG-IqSHbBInkACs">
        <Description>Opis...</Description>
        <ClassificationCode>C=129</ClassificationCode>
        <PublicClassificationCode>129</PublicClassificationCode>
        <Title>Title</Title>
        <Type>Class</Type>
        <Permanent>false</Permanent>
        <ChildCount>1</ChildCount>
        <Creator>admin</Creator>
        <Owner>jsmith</Owner>
        <Template>Class</Template>
        <Created>2016-07-11T11:38:42.895Z</Created>
        <Accessed>2016-10-10T08:48:27.271Z</Accessed>
        <Modified>2016-07-22T10:27:49.879Z</Modified>
        <Opened>2016-07-27T13:46:32.219Z</opened>
        <SecurityClass inherited="false"/>
        <Significance inherited="false"/>
        <Status inherited="false">Opened</Status>
        <Retention>
          <Policy id="AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_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>Case</SubEntityTemplate>
        <SubEntityTemplate>Custom Folder</SubEntityTemplate>
        <Keyword>incoming_invoices</Keyword>
        <Keyword>credit_notes</Keyword>
        <Keyword>outgoing_invoices</Keyword>
        <Keyword>balance_sheets</Keyword>
        <Keyword>domestic_accounts</Keyword>
        <Keyword>foreign_accounts</Keyword>
        <Keyword>bank_statements</Keyword>
        <Keyword>budgets</Keyword>
        <ExternalId>externalId56</ExternalId>
        <ChildClassificationCodeGenerated>false</ChildClassificationCodeGenerated>
      </Entity>
    </EntityReadResponse>
  </S:Body>
</S:Envelope>
```

```

<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
<Property xsi:type="DateProperty" name="Validatiion 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 verification date</Description>
        <Type>Date</Type>
        <Value>2016-06-26Z</Value>
    </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>
        <Value>2016-06-27T10:12:00.000Z</Value>
    </Property>
</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.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
    <ser:EntityReadRequest>
        <ser:SessionToken>66f818c2-d4ba-47b0-8000-9ce5e73ea06b</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=129^F=2016^D=100</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.si/storageconnector/services">
        <Entity id="kW2WiA4MX3uCKFOBwBCnGDUqCGpLSx0t9ibbbvfZx6k">
            <ClassificationCode>C=129^F=2016^D=100</ClassificationCode>
            <PublicClassificationCode>129-2016/100</PublicClassificationCode>
            <Title>Business strategy report 2016</Title>
            <Type>Document</Type>
            <Description>Business strategy document containing major business steps to achieve
business goal for 2016</Description>
            <Permanent>false</Permanent>
            <ChildCount>0</ChildCount>
            <Creator>admin</Creator>
            <Owner>keiraclay</Owner>
            <Template>AttributesDocument</Template>
            <Created>2016-09-19T11:26:35.917Z</Created>
            <Accessed>2016-10-13T11:46:28.645Z</Accessed>
        </Entity>
    </EntityReadResponse>
</S:Body>

```

```
<Modified>2016-10-04T09:24:50.958Z</Modified>
<SecurityClass inherited="true">Confidential</SecurityClass>
<Significance inherited="true">Permanent</Significance>
<Retention/>
<Keyword>business</Keyword>
<Keyword>report</Keyword>
<ParentId type="Internal">joPN9wT7193I7esZD1D3fMU9ErTpcd0xpIyR7XDcgF4</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true" deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<Property xsi:type="BinaryProperty" id="AttrBinary"
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>Binary attribute</Description>
        <Type>Binary</Type>
    </Property>
<Property xsi:type="BoolProperty" id="AttrBool"
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>Bool attribute</Description>
        <Type>Bool</Type>
        <EffectiveRights createAccess="false" deleteAccess="false" readAccess="true" writeAccess="false"/>
        <Value>true</Value>
    </Property>
<Property xsi:type="DateProperty" id="AttrDate"
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>Date attribute</Description>
        <Type>Date</Type>
        <Value>2016-09-25Z</Value>
    </Property>
<Property xsi:type="DateTimeProperty" id="AttrDateTime"
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>DateTime attribute</Description>
        <Type>DateTime</Type>
        <Value>2016-09-25T12:12:12.000Z</Value>
    </Property>
<Property xsi:type="DecimalProperty" id="AttrDecimal1"
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>Decimal1 attribute</Description>
        <Type>Decimal1</Type>
        <Value>1.0</Value>
    </Property>
<Property xsi:type="DirectoryEntityProperty" id="AttrDirectoryEntity"
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>DirectoryEntity attribute</Description>
        <Type>DirectoryEntity</Type>
        <Value>kclay</Value>
    </Property>
<Property xsi:type="DoubleProperty" id="AttrDouble"
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>Double attribute</Description>
```

```
<Type>Double</Type>
    <Value>1.01</Value>
</Property>
<Property xsi:type="Int64Property" id="AttrInt64"
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>Int64 attribute</Description>
    <Type>Int64</Type>
    <Value>64</Value>
</Property>
<Property xsi:type="Int8Property" id="AttrInt8"
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>Int8 attribute</Description>
    <Type>Int8</Type>
    <Value>8</Value>
</Property>
<Property xsi:type="DirectoryEntityProperty" id="AttrPicklistDirectoryEntity"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="false" pickList="true" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
    <Description>Picklist DirectoryEntity attribute</Description>
    <Type>DirectoryEntity</Type>
    <Value key="Administrator">admin</Value>
    <Value key="John Smith">jsmith</Value>
</Property>
<Property xsi:type="StringProperty" id="AttrString10"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
    <Description>String10 attribute</Description>
    <Type>String10</Type>
    <Value>1234567890</Value>
</Property>
<Property xsi:type="StringProperty" id="AttrStringMax"
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>StringMax attribute</Description>
    <Type>StringMax</Type>
    <Value>string max property</Value>
</Property>
<Property xsi:type="TimeProperty" id="AttrTime"
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>Time attribute</Description>
    <Type>Time</Type>
    <Value>12:12:12.000Z</Value>
</Property>
<Property xsi:type="UInt64Property" id="AttrUInt64"
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>UInt64 attribute</Description>
    <Type>UInt64</Type>
    <Value>64</Value>
</Property>
<Property xsi:type="UInt8Property" id="AttrUInt8"
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>UInt8 attribute</Description>
    <Type>UInt8</Type>
    <Value>8</Value>
</Property>
<PhysicalProperties/>
</Entity>
</EntityReadResponse>
</S:Body>
</S:Envelope>

```

### 5.2.4.7 Entity create

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

#### Request

See [EntityCreateRequest](#)

#### Response

See [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="AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_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_9UtvtVRgaN5iL5MvcZQIYRyWVoh-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_raqO601b01C_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>
        <SubEntityType>Class</SubEntityType>
        <SubEntityType>Case</SubEntityType>
        <SubEntityType>Document</SubEntityType>
        <SubEntityType>Email</SubEntityType>
        <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="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>

```

### 5.2.4.8 Entity delete

Operation deletes the entity.

## Request

See [EntityDeleteRequest](#)

## Response

See [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>
```

## **5.2.4.9 Entity update**

Operation updates the entity attributes.

### Request

See [EntityUpdateRequest](#)

### Response

See [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-7b95fbb3f37</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_raqO601b01C_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>
    </EntityUpdateResponse>
  </S:Body>
</S:Envelope>
```

```

<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>
    <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>

```

### 5.2.4.10 Entity status update

Operation updates the entity status.

#### Request

See [EntityStatusUpdateRequest](#)

#### Response

See [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>
```

**5.2.4.11 Entity security class update**

Operation updates the entity security class.

**Request**

See [EntitySecurityClassUpdateRequest](#)

**Response**

See [EntitySecurityClassUpdateResponse](#)

**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>
```

```

</EntitySecurityClassUpdateResponse>
</S:Body>
</S:Envelope>

```

### 5.2.4.12 Entity retention policy create

Operation creates the entity retention policy.

#### Request

See [EntityRetentionPolicyEntriesCreateRequest](#)

#### Response

See [EntityRetentionPolicyEntriesCreateResponse](#)

#### **Example**

An example of the entity retention policy create.

#### Request

##### *Scheme*

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <ns1:Header>
    <ns1:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ns1:SessionToken>
  </ns1:Header>
  <soapenv:Body>
    <ns1:EntityRetentionPolicyCreateRequest>
      <ns1:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ns1:SessionToken>
      <ns1:Id type="ClassificationCode">C=191</ns1:Id>
      <ns1:RetentionPolicy scope="Allow" id="Pqc5zK58VmPaR1Q-pIaVhOV15shGuLwvS4OvEkzd3JE">
        <ns1:Filter classes="true" documents="true" folders="true"/>
      </ns1:RetentionPolicy>
    </ns1: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="Pqc5zK58VmPaR1Q-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>

```

### 5.2.4.13 Entity retention policy update

Operation updates the entity retention policy.

#### Request

See [EntityRetentionPolicyUpdateRequest](#)

#### Response

See [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>
```

### 5.2.4.14 Entity retention policy delete

Operation deletes the entity retention policy.

#### Request

See [EntityRetentionPolicyDeleteRequest](#)

#### Response

See [EntityRetentionPolicyDeleteResponse](#)

#### **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>
```

### 5.2.4.15 Entity disposition hold create

Operation creates the entity disposition hold.

#### Request

See [EntityRetentionDispositionHoldEntriesCreateRequest](#)

**Response**

See [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="pmn03Bze3jqedwBH1fOjIvMeZveMRzX5_T27QH8sQC4"/>
    </ser:EntityRetentionDispositionHoldEntriesCreateRequest>
  </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="pmn03Bze3jqedwBH1fOjIvMeZveMRzX5_T27QH8sQC4">
        <Name>Permanent hold</Name>
        <Description>Entity is on permanent hold</Description>
      </DispositionHold>
    </EntityRetentionDispositionHoldEntriesCreateResponse>
  </S:Body>
</S:Envelope>
```

**5.2.4.16 Entity disposition hold delete**

Operation deletes the entity disposition hold.

**Request**

See [EntityRetentionDispositionHoldDeleteRequest](#)

**Response**

See [EntityRetentionDispositionHoldDeleteResponse](#)

## Example

An example of the entity disposition hold delete.

### Request

#### *Scheme*

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<ns1:ser="http://www.imis.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
<ns1:EntityRetentionDispositionHoldDeleteRequest>
<ns1:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ns1:SessionToken>
<ns1:Id type="ClassificationCode">C=191</ns1:Id>
<ns1:DispositionHoldId>pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4</ns1:DispositionHoldId>
</ns1:EntityRetentionDispositionHoldDeleteRequest>
</soapenv:Body>
</soapenv:Envelope>
```

### Response

#### *Scheme*

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
<S:Body>
<ns1:EntityRetentionDispositionHoldDeleteResponse
xmlns="http://www.imis.si/storageconnector/services"/>
</S:Body>
</S:Envelope>
```

## 5.2.4.17 Entity move

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

### Request

See [EntityMoveRequest](#)

### Response

See [EntityMoveResponse](#)

## Example

An example of the entity move.

### Request

#### *Scheme*

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<ns1:ser="http://www.imis.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
<ns1:EntityMoveRequest>
<ns1:SessionToken>20b85a49-0d10-4d7d-a555-d6298d485a6d</ns1: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_9UtvtVRgaN5iL5MvcZQIYRyWVoh-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_raqO601b01C_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="pmn03Bze3jqedwBH1fOjIvMeZveMRzX5_T27QH8sQC4">
<Name>Permanent hold</Name>
<Description>Finance reports are on permanent hold</Description>
</DispositionHold>
</Retention>
<SubEntityType>Class</SubEntityType>
<SubEntityType>Case</SubEntityType>
<SubEntityType>Document</SubEntityType>
<SubEntityType>Email</SubEntityType>
<ChildClassificationCodeGenerated>true</ChildClassificationCodeGenerated>
<ParentId type="Internal">tfUtzU8WnXzgjcsvX9-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>

```

## 5.2.5 Access right

### 5.2.5.1 Entity access right read

Operation reads directory entity access right on the entity.

#### Request

See [EntityACLReadRequest](#)

#### Response

See [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.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
    <ser:EntityACLReadRequest>
        <ser:SessionToken>b9155857-5997-4bd8-8f8e-fc098ca9a280</ser:SessionToken>
        <ser:Id type="ClassificationCode">C=191</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.si/storageconnector/services">
        <EntityACLEntry directoryEntityId="alexnelson">
            <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createSubEntities="true" changeSecurityClass="true"
changeStatus="false" changeRetention="false"/>
        </EntityACLEntry>
        <EntityACLEntry directoryEntityId="IMiS_User_Group">

```

```

<InheritedAllowRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="true" createSubEntities="false"
changeSecurityClass="false" changeStatus="true" changeRetention="false"/>
</EntityACLEntry>
<EntityACLEntry directoryEntityId="johnsmith">
    <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createSubEntities="true" changeSecurityClass="false"
changeStatus="true" changeRetention="false"/>
    </EntityACLEntry>
    <EntityACLEntry directoryEntityId="jerryturner">
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="false"
changeStatus="true" changeRetention="false"/>
        </EntityACLEntry>
        <EntityACLEntry directoryEntityId="keiraclay">
            <ExplicitAllowRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false">
                <validFrom>2016-09-14T00:00:00.000+02:00</validFrom>
                <validTo>2016-09-29T00:00:00.000+02:00</validTo>
            </ExplicitAllowRights>
            <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="false" changeRights="false" createSubEntities="false"
changeSecurityClass="true" changeStatus="false" changeRetention="true"/>
        </EntityACLEntry>
        <EntityACLEntry directoryEntityId="marcowelch">
            <InheritedAllowRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
            </EntityACLEntry>
            <EntityACLEntry directoryEntityId="rauljordan">
                <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
                </EntityACLEntry>
                <EntityACLEntry directoryEntityId="ronsalazar">
                    <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
                    <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="true" changeRetention="true"/>
                    <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
                </EntityACLEntry>
                <EntityACLEntry directoryEntityId="sys:Administrators">
                    <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createSubEntities="true" changeSecurityClass="true"
changeStatus="true" changeRetention="true"/>
                    </EntityACLEntry>
                    <PropertyACL propertyId="Validation date">
                        <PropertyACLEntry directoryEntityId="keiraclay">
                            <InheritedDenyRights createAccess="false" deleteAccess="false"
readAccess="true" writeAccess="true"/>
                        </PropertyACLEntry>
                    </PropertyACL>
                    <PropertyACL propertyId="Verification date">
                        <PropertyACLEntry directoryEntityId="keiraclay">
                            <ExplicitAllowRights createAccess="true" deleteAccess="false" readAccess="true"
writeAccess="false"/>
                            <ExplicitDenyRights createAccess="false" deleteAccess="true" readAccess="false"
writeAccess="true"/>
                        </PropertyACLEntry>
                        <PropertyACLEntry directoryEntityId="marcowelch">
                            <ExplicitAllowRights createAccess="true" deleteAccess="false" readAccess="true"
writeAccess="false">
                                <validFrom>2016-09-23T02:00:00.000+02:00</validFrom>
                                <validTo>2016-09-29T02:00:00.000+02:00</validTo>
                            </ExplicitAllowRights>
                        </PropertyACLEntry>
                    </PropertyACL>
                </EntityACLEntry>
            </EntityACLEntry>
        </EntityACLEntry>
    </EntityACLEntry>
</EntityACLEntry>

```

```

<ExplicitDenyRights createAccess="false" deleteAccess="true" readAccess="false"
writeAccess="true"/>
</PropertyACLEntry>
</PropertyACL>
</EntityACLReadResponse>
</S:Body>
</S:Envelope>

```

### 5.2.5.2 Entity access right create

Operation creates entity and entity properties access right.

#### Request

See [EntityACLEntriesCreateRequest](#)

#### Response

See [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.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
<ser:EntityACLEntriesCreateRequest>
    <ser:SessionToken>93ef2709-6283-4ba6-9eca-2af58ab8fa07</ser:SessionToken>
    <ser:Id>
        type="Internal">250594ebe9a5c0a3cca7ff54b72b5546068de622f932f719408611c9656887eb</ser:Id>
        <ser:EntityACLEntry directoryEntityId="johnsmith">
            <ser:ExplicitAllowRights readAccess="true" writeAccess="true"/>
            <ser:ExplicitDenyRights deleteAccess="true"/>
        </ser:EntityACLEntry>
        <ser:PropertyACL propertyId="Validation date ">
            <ser:PropertyACLEntry directoryEntityId="johnsmith">
                <ser:ExplicitAllowRights createAccess="true" deleteAccess="false"
readAccess="true">
                    </ser:ExplicitAllowRights>
                    <ser:ExplicitDenyRights writeAccess="true"/>
                </ser:ExplicitDenyRights>
            </ser:PropertyACLEntry>
            </ser:PropertyACL>
        </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.si/storageconnector/services">
      <EntityACLEntry directoryEntityId="johnsmith">
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="false"
        deleteAccess="false" changeRights="false" createSubEntities="false"
        changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
        deleteAccess="true" changeRights="false" createSubEntities="false"
        changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
      </EntityACLEntry>
      <PropertyACL propertyId="Validation date">
        <PropertyACLEntry directoryEntityId="johnsmith">
          <ExplicitAllowRights createAccess="true" deleteAccess="false" readAccess="true"
          writeAccess="false"/>
          <ExplicitDenyRights createAccess="false" deleteAccess="false"
          readAccess="false" writeAccess="true"/>
        </PropertyACLEntry>
      </PropertyACL>
    </EntityACLEntriesCreateResponse>
  </S:Body>
</S:Envelope>
```

### **5.2.5.3 Entity or entity property access right update**

Operation updates an entity or entity property explicit access right.

#### Request

See [EntityACLEntryUpdateRequest](#)

#### Response

See [EntityACLEntryUpdateRequest](#)

#### **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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntryUpdateRequest>
      <ser:SessionToken>f3bebe39-1b74-44f7-a2e6-7b0b1130cf7b</ser:SessionToken>
      <ser:Id
        type="Internal">250594ebe9a5c0a3cca7fff54b72b5546068de622f932f719408611c9656887eb</ser:Id>
      <ser:EntityACLEntry directoryEntityId="marcowelch">
        <ser:ExplicitAllowRights readAccess="true" writeAccess="true"/>
        <ser:ExplicitDenyRights deleteAccess="true"/>
      </ser:EntityACLEntry>
    </ser:EntityACLEntryUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

```

</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.si/storageconnector/services">
      <EntityACLEntry directoryEntityId="marcowelch">
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="false"
        deleteAccess="false" changeRights="false" createSubEntities="false"
        changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
        deleteAccess="true" changeRights="false" createSubEntities="false"
        changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
      </EntityACLEntry>
    </EntityACLEntryUpdateResponse>
  </S:Body>
</S:Envelope>

```

## **Example**

An example of the entity property access right 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:EntityACLEntryUpdateRequest>
      <ser:SessionToken>f3bebe39-1b74-44f7-a2e6-7b0b1130cf7b</ser:SessionToken>
      <ser:Id
        type="Internal">250594ebe9a5c0a3cca7ff54b72b5546068de622f932f719408611c9656887eb</ser:Id>
        <ser:PropertyACL propertyId="Validation date">
          <ser:PropertyACLEntry directoryEntityId="marcowelch">
            <ser:ExplicitAllowRights createAccess="true" deleteAccess="false"
            readAccess="true"/>
            <ser:ExplicitDenyRights writeAccess="true"/>
          </ser:PropertyACLEntry>
        </ser:PropertyACL>
      </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.si/storageconnector/services">
      <PropertyACL propertyId="Validation date">
        <PropertyACLEntry directoryEntityId="marcowelch">
          <ExplicitAllowRights createAccess="true" deleteAccess="false" readAccess="true"
          writeAccess="false"/>
          <ExplicitDenyRights createAccess="false" deleteAccess="false"
          readAccess="false" writeAccess="true"/>
        </PropertyACLEntry>
      </PropertyACL>
    </EntityACLEntryUpdateResponse>
  </S:Body>
</S:Envelope>

```

```

</PropertyACL>
</EntityACLEntryUpdateResponse>
</S:Body>
</S:Envelope>
```

### 5.2.5.4 Entity or entity property access right delete

Operation deletes entity or entity property access right.

#### Request

See [EntityACLDelEntryRequest](#)

#### Response

See [EntityACLDelEntryResponse](#)

#### **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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLDelEntryRequest>
      <ser:SessionToken>d23774df-208a-4ee8-862c-f2f7d9671efe</ser:SessionToken>
      <ser:Id
        type="Internal">250594ebe9a5c0a3cca7ff54b72b5546068de622f932f719408611c9656887eb</ser:Id>
        <ser:DirectoryEntityId>marcowelch</ser:DirectoryEntityId>
    </ser:EntityACLDelEntryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

##### *Scheme*

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLDelEntryResponse xmlns="http://www.imis.si/storageconnector/services"/>
  </S:Body>
</S:Envelope>
```

## 5.2.6 Template

### 5.2.6.1 Templates or template read

Operation reads templates or template.

#### Request

See [TemplatesReadRequest](#)

#### Response

See [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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:TemplatesReadRequest>
      <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</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.si/storageconnector/services">
      <Template id="AttributesDocument">
        <EntityType>Document</EntityType>
        <Description>Document with sample attributes</Description>
        <EntityCount>46</EntityCount>
        <Property xsi:type="BinaryProperty" name="AttrBinary"
          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>Binary attribute</Description>
          <Type>Binary</Type>
        </Property>
        <Property xsi:type="BoolProperty" name="AttrBool"
          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>Bool attribute</Description>
        </Property>
      </Template>
    </TemplatesReadResponse>
  </S:Body>
</S:Envelope>
```

```
<Type>Bool</Type>
</Property>
<Property xsi:type="DateProperty" name="AttrDate"
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>Date attribute</Description>
        <Type>Date</Type>
    </Property>
    <Property xsi:type="DateTimeProperty" name="AttrDateTime"
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>DateTime attribute</Description>
        <Type>DateTime</Type>
    </Property>
    <Property xsi:type="Decimal11Property" name="AttrDecimal11"
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>Decimal11 attribute</Description>
        <Type>Decimal11</Type>
    </Property>
    <Property xsi:type="DirectoryEntityProperty" name="AttrDirectoryEntity"
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>DirectoryEntity attribute</Description>
        <Type>DirectoryEntity</Type>
    </Property>
    <Property xsi:type="DoubleProperty" name="AttrDouble"
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>Double attribute</Description>
        <Type>Double</Type>
    </Property>
    <Property xsi:type="Int64Property" name="AttrInt64"
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>Int64 attribute</Description>
        <Type>Int64</Type>
    </Property>
    <Property xsi:type="Int8Property" name="AttrInt8"
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>Int8 attribute</Description>
        <Type>Int8</Type>
    </Property>
    <Property xsi:type="DirectoryEntityProperty" name="AttrPicklistDirectoryEntity"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
        <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="false" pickList="true" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
        <Description>Picklist DirectoryEntity attribute</Description>
        <Type>DirectoryEntity</Type>
        <Value key="Administrator">admin</Value>
        <Value key="John Smith">jsmith</Value>
    </Property>
    <Property xsi:type="String10Property" name="AttrString10"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
```

```
        <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
        <Description>String10 attribute</Description>
        <Type>String10</Type>
    </Property>
    <Property xsi:type="StringMaxProperty" name="AttrStringMax"
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>StringMax attribute</Description>
        <Type>StringMax</Type>
    </Property>
    <Property xsi:type="TimeProperty" name="AttrTime"
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>Time attribute</Description>
        <Type>Time</Type>
    </Property>
    <Property xsi:type="UInt64Property" name="AttrUInt64"
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>UInt64 attribute</Description>
        <Type>UInt64</Type>
    </Property>
    <Property xsi:type="UInt8Property" name="AttrUInt8"
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>UInt8 attribute</Description>
        <Type>UInt8</Type>
    </Property>
</Template>
<Template id="Case">
    <EntityType>Folder</EntityType>
    <Description>Folder/Case entity</Description>
    <EntityCount>3922</EntityCount>
    <Property xsi:type="StringProperty" name="User's comment"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
        <Options appendOnly="true" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
required="false" searchable="true" unique="false"/>
        <Description>User can add comment</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>
    </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>
</Template>
</TemplatesReadResponse>
</S:Body>
</S:Envelope>
```

## 5.2.7 Directory

### 5.2.7.1 Directory entities or directory entity read

Operation reads directory entities or directory entity.

#### Request

See [DirectoryEntitiesReadRequest](#)

#### Response

See [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.si/storageconnector/services">  
    <soapenv:Header/>  
    <soapenv:Body>  
        <ser:DirectoryEntitiesReadRequest>  
            <ser:SessionToken>8a7b0dbf-93ee-4c43-9c2e-8c07701da5a9</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.si/storageconnector/services">  
            <DirectoryEntity subject="Support group">  
                <FirstName/>  
                <LastName>Administration group</LastName>  
                <Description>support group</Description>  
                <Email>support@imis.eu</Email>  
                <SecurityClassLevel>Restricted</SecurityClassLevel>  
                <Type>Group</Type>  
            </DirectoryEntity>  
            <DirectoryEntity subject="Anonymous">  
                <FirstName/>  
                <LastName>Anonymous</LastName>  
                <Description>Sessions authenticated by legacy protocols</Description>  
                <Email/>  
                <SecurityClassLevel>Unspecified</SecurityClassLevel>  
                <Type>User</Type>  
            </DirectoryEntity>  
        </DirectoryEntitiesReadResponse>  
    </S:Body>  
</S:Envelope>
```

```
</S:Body>
</S:Envelope>
```

### 5.2.7.2 Directory entity members read

Operation reads members of the selected directory entity group.

#### Request

See [DirectoryEntityMembersReadRequest](#)

#### Response

See [DirectoryEntityMembersReadResponse](#)

#### **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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntityMembersReadRequest>
      <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</ser:SessionToken>
      <ser:Subject>Support group</ser:Subject>
    </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.si/storageconnector/services">
      <DirectoryEntity subject="johnsmith">
        <FirstName>John</FirstName>
        <LastName>Smith</LastName>
        <Description>Human Resources</Description>
        <Email>john.smith@acme.com</Email>
        <SecurityClassLevel>Restricted</SecurityClassLevel>
        <Type>User</Type>
      </DirectoryEntity>
      <DirectoryEntity subject="ronsalazar">
        <FirstName>Ron</FirstName>
        <LastName>Salazar</LastName>
        <Description>IT support</Description>
        <Email>ron.salazar@acme.com</Email>
        <SecurityClassLevel>Unclassified</SecurityClassLevel>
        <Type>User</Type>
      </DirectoryEntity>
    </DirectoryEntityMembersReadResponse>
  </S:Body>
</S:Envelope>
```

```
</DirectoryEntityMembersReadResponse>
</S:Body>
</S:Envelope>
```

## 5.2.8 Retention

### 5.2.8.1 Entity retention policies or policy read

Operation reads entity retention policies.

#### Request

See [RetentionPoliciesReadRequest](#)

#### Response

See [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_raq0601b01C_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="C6bEPb1O8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk">
<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>

```

### 5.2.8.2 Entity retention policy objects read

Operation reads entity retention policy objects.

#### Request

See [RetentionPolicyObjectsReadRequest](#)

#### Response

See [RetentionPolicyObjectsReadResponse](#)

#### **Example**

An example of the entity retention policy objects read.

#### Request

##### *Scheme*

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<ns1:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</ns1:SessionToken>
<ns1:Id>VatMcHFEAf6tYBh_w-xWoYsr2gfhjCiQXlOZF-W8BpE</ns1:Id>
</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>

```

### 5.2.8.3 Entity retention policy audit log read

Operation reads entity retention policy audit log.

#### Request

See [RetentionPolicyAuditLogReadRequest](#)

#### Response

See [RetentionPolicyAuditLogReadResponse](#)

#### **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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:RetentionPolicyAuditLogReadRequest>
      <ser:SessionToken>d5d49570-6957-4455-bb77-76a0b5745deb</ser:SessionToken>
      <ser:Id>AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw</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.si/storageconnector/services">
      <Event time="2015-09-25T08:30:41Z" user="admin" publicAddress="192.168.92.67"
        type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Title, sys:ret:pol:Action,
        sys:ret:pol:Reason, sys:ret:pol:Trigger</Details>
      </Event>
    </RetentionPolicyAuditLogReadResponse>
  </S:Body>
</S:Envelope>

```

```

<Event time="2015-09-25T08:30:41Z" user="admin" publicAddress="192.168.92.67"
type="EntitySave"/>
<Event time="2015-09-25T08:52:59Z" user="admin" publicAddress="192.168.92.67"
type="PropertyValueChange">
<Details>Changed properties: sys:ret:pol:Trigger</Details>
</Event>
<Event time="2015-09-25T08:52:59Z" user="admin" publicAddress="192.168.92.67"
type="EntitySave"/>
<Event time="2015-09-25T16:29:12Z" user="admin" publicAddress="192.168.92.76"
type="ContentPartCreate">
<Details>ExportReport [100663313]</Details>
</Event>
<Event time="2015-09-25T16:29:12Z" user="admin" publicAddress="192.168.92.76"
type="ContentPartSave">
<Details>ExportReport [100663313]</Details>
</Event>
<Event time="2015-09-25T16:29:12Z" user="admin" publicAddress="192.168.92.76"
type="EntitySave"/>
</RetentionPolicyAuditLogReadResponse>
</S:Body>
</S:Envelope>

```

## 5.2.9 Content objects

### 5.2.9.1 Entity content objects or object read

Operation reads entity content objects or object.

#### Request

See [EntityObjectsReadRequest](#)

#### Response

See [EntityObjectsReadResponse](#)

#### **Example**

An example of the entity content 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:EntityObjectsReadRequest>
<ser:SessionToken>4cbe0730-bfe9-447b-a8b1-1630c0c35121</ser:SessionToken>
<ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
</ser:EntityObjectsReadRequest>
</soapenv:Body>
</soapenv:Envelope>

```

## Response

### *Scheme*

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectsReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <Object id="100707387">
        <Description>Image #2009</Description>
        <Size>157221</Size>
        <Created>2016-09-16T14:11:32.523+02:00</Created>
        <Accessed>2016-09-16T14:28:35.447+02:00</Accessed>
        <Modified>2016-09-16T14:14:20.821+02:00</Modified>
        <ContentType>image/tiff</ContentType>
        <Extension>.tif</Extension>
      </Object>
      <Object id="100707388">
        <Description>Image #0607</Description>
        <Size>4</Size>
        <Created>2016-09-16T14:11:32.525+02:00</Created>
        <Accessed>2016-09-16T14:11:32.525+02:00</Accessed>
        <Modified>2016-09-16T14:11:32.525+02:00</Modified>
        <ContentType>image/tiff</ContentType>
        <Extension>.tif</Extension>
      </Object>
    </EntityObjectsReadResponse>
  </S:Body>
</S:Envelope>
```

## **Example**

An example of the entity content object 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:EntityObjectsReadRequest>
      <ser:SessionToken>4cbe0730-bfe9-447b-a8b1-1630c0c35121</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
      <ser:ObjectId>100707393</ser:ObjectId>
    </ser:EntityObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

### *Scheme*

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectsReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <Object id="100707393">
        <Description>Business plan December 2016</Description>
        <Size>15</Size>
        <Created>2016-09-16T14:30:39.067+02:00</Created>
        <Accessed>2016-10-11T16:53:34.222+02:00</Accessed>
        <Modified>2016-09-16T14:30:39.067+02:00</Modified>
        <ContentType>text/plain</ContentType>
        <Extension>.txt</Extension>
        <Content>YXNkZmEgYXNkZiBhc2Rm</Content>
      </Object>
    </EntityObjectsReadResponse>
  </S:Body>
</S:Envelope>
```

```
</EntityObjectsReadResponse>
</S:Body>
</S:Envelope>
```

### 5.2.9.2 Entity content object create

Operation creates entity content object.

#### Request

See [EntityObjectCreateRequest](#)

#### Response

See [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>

```

### 5.2.9.3 Content object update

Operation updates entity content and description.

#### Request

See [EntityObjectUpdateRequest](#)

#### Response

See [EntityObjectUpdateResponse](#)

#### **Example**

An example of the entity content object update.

#### Request

##### *Scheme*

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
  <ns1: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.tif</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.tif</Description>
        <Size>15</Size>
        <Created>2016-10-10T11:18:02.493Z</Created>
        <Accessed>2016-10-10T14:02:57.697Z</Accessed>
      </Object>
    </EntityObjectUpdateResponse>
  </S:Body>
</S:Envelope>

```

```
<Modified>2016-10-10T14:02:57.715Z</Modified>
<ContentType>image/tiff</ContentType>
<Extension>.tif</Extension>
</Object>
</EntityObjectUpdateResponse>
</S:Body>
</S:Envelope>
```

#### 5.2.9.4 Entity content object delete

Operation deletes an entity content object.

##### Request

See [EntityObjectDeleteRequest](#)

##### Response

See [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>
```

## 5.2.10 Authenticity

### 5.2.10.1 EntityNonrepudiationRead

Operation reads an entity authenticity and integrity proofs.

#### Request

See [EntityNonrepudiationReadRequest](#)

#### Response

See [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>PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz4KPGFpcDpBSVA
geG1sbnM6YlwPSJodHRwOi8vd3d3LmltaXMuZXUvaW1pc2FyYy9haXAiIHtbG5zOmRzPSJodHRwOi8vd3d3LnczLm9y
Zy8yMDAwLzA5L3htbGRzaWcjIj48YWlwkoh1YWRlc1BWZXJzaW9uPSIxIj48ZHM6Q2Fub25pY2FsaXphdG1vbk1ldGhvZ
CBBbGdvcmloaG09Imh0dHA6Ly93d3cudzMub3JnL1RSLzIwMDEvUkVDLXhtbCljMTRuLTiwmDEwMzE1Ii8+PC9haXA6SG
VhZGVyPjxhaXA6QXR0cm1idXR1IE1kPSJBdHJpYnV0IDkzIiBueXB1PSI3Ii8+PGFpcDpBdHRyaWJ1dGugSWQ91kF0cm1
idxQgOTkiIFR5cGU9IjE4Ii8+PGFpcDpBdHRyaWJ1dGugSWQ9InN5czpDb21taXRMb2ciIFR5cGU9IjE3Ii8+PGFpcDpD
b250ZW50IE1kPSJzeXMeQ29udGVudCI+PGFpcDpDb250ZW50VmFsdWU+PGRzOkRpZ2VzdE1ldGhvZCBBbGdvcmloaG09I
mh0dHA6Ly93d3cudzMub3JnLzIwMDEvMDQveG1sZW5jI3NoYTI1NiIvPjxkczpEawd1c3RWYWx1ZT5OdjaA2TGHzVEzaVm
dDY1NrdzkwNVNKV0FpMzr3cysrTlh2OEVmK1FxaTiwPTwvZHM6RGlnZXN0VmFsdWU+PC9haXA6Q29udGVudFZhbHV1Pjx
haxA6Q29udGVudFZhbHV1PjxkczpEawd1c3RNZXRob2QgQWxb3JpdGhtPSJodHRwOi8vd3d3LnczLm9yZy8yMDAxLzA0
L3htbGVuYyNzaGEyNTYiLz48ZHM6RGlnZXN0VmFsdWU+b2xPcUFvRw1aeGo2VH13R2o5aEc0ejFQZzJQbTBVT2hUcTiZQ
VFzMVglaz08L2RzOkRpZ2VzdFZhbHV1PjwvYw1wOkNvnRlbnRWYWx1ZT48L2FpcDpDb250ZW50PjwvYw1wOkFJUD4K</
ArchivalInformationalPackage>

      <EvidenceRecord>PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluZz0iVVRGLTgiPz4KPEV2aWR1bmN1UmVjb3JkIHtb
G5zPSJ1cm46aWV0ZjpwYXJhbXM6eG1sOm5zOmVycyIgVmVyc2lvbj0iMS4wIj48QXJjaG12ZVRpbWVTdGFtcFN1cXV1bm
N1PjxBcmNoaXZ1VGltZVN0YW1wQ2hhWa4gT3JkZXI9IjEiPjxEaWd1c3RNZXRob2QgQWxb3JpdGhtPSJodHRwOi8vd3d
3LnczLm9yZy8yMDAwLzA5L3htbGRzaWcjC2hhMSIvPjxDYW5vbmljYWxpmF0aW9uTWW0aG9kIEFsZ29yaXRobT0iaHR0
```

```
cDovL3d3dy53My5vcmcvVFIvMjAwMS9SRUMteG1sLWMxNG4tMjAwMTAzMTUiLz48QXJjaG12ZVRpbWVTdGFtcCBPcmRlc
j0iMSI+PEhhc2hUcmV1PjxtZXF1ZW5jZSBPcmRlcj0iMSI+PERpZ2VzdFZhHV1PmhFOXJ6TE11U2xhTlpCMUs5M2NDKz
NDTUC4dz08L0RpZ2VzdFZhHV1PjxEaWdlc3RWYWx1ZT4wWmI1UjJpUkVid29ONzM2NC8zRHBWYT13U3M9PC9EaWdlc3R
WYw1ZT48L1N1cXV1bmN1PjwvSGFzaFrYzWU+PFRpbWVTdGFtcD48VGltZVN0YW1wVG9rZW4gVHlwZT0iWE1MRU5UU1VT
VCI+PGRzaWc6U21nbmF0dXJ1IHhtB5zOmRzaWc9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvMDkveG1sZHNpZyMiIE1kP
SJuaW1lU3RhxBUb2t1biI+PGRzaWc6U21nbmVksW5mbz48ZHNpZzpDYW5vbmljYWxpeMFOaW9uTWV0aG9kIEFsZ29yaX
RobT0iaHR0cDovL3d3dy53My5vcmcvVFIvMjAwMS9SRUMteG1sLWMxNG4tMjAwMTAzMTUiLz48ZHNpZzpTaWduYXR1cmV
</EvidenceRecord>
...
</EntityNonrepudiationReadResponse>
</S:Body>
</S:Envelope>
```

## Response MTOM

The screenshot shows a web-based interface for viewing SOAP responses. The top section displays the XML structure of the response, which includes a SOAP envelope containing an EntityNonrepudiationReadResponse message. This message contains an ArchivalInformationalPackage element, which in turn contains two xop:Include elements pointing to binary resources. The bottom section shows a table of attachments:

Name	Content type	Size	Part	Type	ContentID
d320fe5f-670b-4a0c-bde...	text/xml	813	d320fe5f-670b-4a0c-bde...	XOP	<d320fe5f-670b-4a0c-bd...
a2054780-a8f3-4cf0-b052...	text/xml	9534	a2054780-a8f3-4cf0-b052...	XOP	<a2054780-a8f3-4cf0-b0...

Below the table, there are links for Headers (4), Attachments (2), SSL Info, WSS (0), and JMS (0).

## **5.2.11 Audit log**

### **5.2.11.1 Entity audit log read**

Operation reads an entity audit log.

#### Request

See [EntityAuditLogReadRequest](#)

#### Response

See [EntityAuditLogReadResponse](#)

## **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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityAuditLogReadRequest>
      <ser:SessionToken>4f13e56d-55f0-4f53-b64d-5cdc23d46a8d</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=147^D=00002</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.si/storageconnector/services">
      <Event time="2016-07-29T08:35:38Z" user="admin" publicAddress="192.168.92.78" computerName="john" type="EntityCreate"/>
      <Event time="2016-07-29T08:35:38Z" user="admin" publicAddress="192.168.92.78" computerName="john" type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Description, sys:Title, sys:eml:Date, sys:eml:From</Details>
      </Event>
      <Event time="2016-07-29T08:35:38Z" user="admin" publicAddress="192.168.92.78" computerName="john" type="EntitySave"/>
        <Event time="2016-07-29T08:35:50Z" user="admin" publicAddress="192.168.92.78" localAddress="169.254.19.138" computerName="JOHN" type="EntityOpenReadOnly"/>
        <Event time="2016-07-29T08:35:53Z" user="admin" publicAddress="192.168.92.78" localAddress="169.254.19.138" computerName="JOHN" type="EntityOpenReadWrite"/>
        <Event time="2016-07-29T10:01:23Z" user="admin" publicAddress="192.168.92.78" localAddress="169.254.19.138" computerName="JOHN" type="EntityOpenReadOnly"/>
        <Event time="2016-08-25T09:28:54Z" user="admin" publicAddress="192.168.92.67" localAddress="192.168.92.67" computerName="ALEX" type="EntityOpenReadOnly"/>
        <Event time="2016-08-26T11:00:45Z" user="admin" publicAddress="192.168.92.78" computerName="john" type="EntityOpenReadOnly"/>
        <Event time="2016-08-26T11:02:54Z" user="admin" publicAddress="192.168.92.81" localAddress="192.168.92.81" computerName="JURE" type="EntityOpenReadOnly"/>
        <Event time="2016-08-26T12:21:27Z" user="admin" publicAddress="192.168.92.78" localAddress="169.254.19.138" computerName="JOHN" type="EntityOpenReadWrite"/>
        <Event time="2016-09-16T12:10:48Z" user="admin" publicAddress="192.168.92.78" localAddress="169.254.19.138" computerName="JOHN" type="EntityOpenReadOnly"/>
        <Event time="2016-09-16T12:11:32Z" user="admin" publicAddress="192.168.92.78" computerName="john" type="EntityOpenReadWrite"/>
        <Event time="2016-09-16T12:11:32Z" user="admin" publicAddress="192.168.92.78" computerName="john" type="ContentPartCreate">
          <Details>Tiff 3 [100707387]</Details>
        </Event>
      </EntityAuditLogReadResponse>
    </S:Body>
  </S:Envelope>
```

## 5.2.12 Search

### 5.2.12.1 Entity search

Operation provides entity search on the entire archive or under the selected entity only and retrieves public information on searched entities.

#### Request

See [EntitySearchRequest](#)

#### Response

See [EntitySearchResponse](#)

#### **Example**

An example of 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_HIIsK8">
<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>
```

## **Example**

An example of 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">YQMl1xP8TAOZ0Qabg-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_TREPI6zZtCDPzY1kD3FsK-Egg_HMOoc_HIIsK8">
    <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">YQMlixF8TAOZ0Qabg-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>

```

## 5.2.13 Disposition hold

### 5.2.13.1 Entity disposition hold read

Operation reads an entity disposition holds or disposition hold.

#### Request

See [DispositionHoldsReadRequest](#)

#### Response

See [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.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldsReadRequest>
      <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</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.si/storageconnector/services">
      <DispositionHold id="DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY">
        <Created>2015-09-24T12:40:16.632Z</Created>
        <Accessed>2015-10-14T12:20:23.183Z</Accessed>
        <Modified>2015-10-14T12:20:23.184Z</Modified>
        <Name>Permanent hold</Name>
        <Reason>Hold for permanent entitites</Reason>
        <Creator>admin</Creator>
        <Description>Description of hold for permanent entitites</Description>
      </DispositionHold>
      <DispositionHold id="pmn03Bze3jqedwBH1f0jIvMeZveMRzX5_T27QH8sQC4">
        <Created>2015-11-26T07:47:17.459Z</Created>
        <Accessed>2015-11-26T07:47:17.459Z</Accessed>
        <Modified>2015-11-26T07:47:17.459Z</Modified>
        <Name>Time limited hold</Name>
        <Reason>Hold for entities</Reason>
        <Creator>rsalazar</Creator>
        <Description>Description of time limited hold for entities</Description>
      </DispositionHold>
    </DispositionHoldsReadResponse>
  </S:Body>
</S:Envelope>
```

```

        </DispositionHold>
    </DispositionHoldsReadResponse>
</S:Body>
</S:Envelope>

```

### 5.2.13.2 Entity disposition hold audit log read

Operation reads an entity disposition hold audit log.

#### Request

See [DispositionHoldAuditLogReadRequest](#)

#### Response

See [DispositionHoldAuditLogReadResponse](#)

#### **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.si/storageconnector/services">
<soapenv:Header/>
<soapenv:Body>
    <ser:DispositionHoldAuditLogReadRequest>
        <ser:SessionToken>d5d49570-6957-4455-bb77-76a0b5745deb</ser:SessionToken>
        <ser:Id>DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhLeeGZY</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.si/storageconnector/services">
        <Event time="2015-09-24T12:40:16Z" user="admin" publicAddress="192.168.92.67"
type="PropertyValueChange">
            <Details>Changed properties: sys:Creator, sys:Title, sys:ret:hold:Reason</Details>
        </Event>
        <Event time="2015-09-24T12:40:16Z" user="admin" publicAddress="192.168.92.67"
type="EntitySave">
            <Event time="2015-09-25T07:03:33Z" user="admin" publicAddress="192.168.92.67"
localAddress="192.168.92.67" computerName="IMIS_JOHN" type="EntityCreate">
                <Details>Hold added. Reason: ''.</Details>
            </Event>
            <Event time="2015-09-28T08:44:15Z" user="admin" publicAddress="192.168.92.67"
type="PropertyValueChange">
                <Details>Changed properties: sys:Description, sys:Title,
sys:ret:hold:Reason</Details>
            </Event>
    </DispositionHoldAuditLogReadResponse>
</S:Body>
</S:Envelope>

```

```

</Event>
<Event time="2015-09-28T08:44:15Z" user="admin" publicAddress="192.168.92.67"
type="EntitySave"/>
</DispositionHoldAuditLogReadResponse>
</S:Body>
</S:Envelope>
```

## 6 TROUBLESHOOTING

### 6.1 Problems using IMiS®/StorageConnector Services

#### REST

Bellow, issues frequently encountered when using IMiS®/StorageConnector 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/IARC97/session/open.json>

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

###### 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(ArchiveResource.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(ArchiveResour  
ce.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/IARC96/entities/I:YQM1ixP8TAOZOQabg-  
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®/StorageConnector Services

### SOAP

Bellow, issues frequently encountered when using IMiS®/StorageConnector 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>IARC96</ser:ArchiveId>
      <ser:Authentication>
        <ser:Username>admin</ser:Username>
        <ser:Password>password</ser:Password>
      </ser:Authentication>
    </ser:SessionOpenRequest>
  </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>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(StorageConnectorService.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(StorageConnect
orService.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.