



IMiS<sup>®</sup> /StorageConnector Services SOAP  
Manual

Version 9.5.1910

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# 1 INTRODUCTION

## 1.1 About this guide

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

## 1.2 Target audience

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

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

## 1.3 Conventions

Various styles and methods for writing important information are used in the documentation. They are summarized in the table below.

<b>Types of writing</b>	<b>Purpose of use</b>
Normal	Basic text in the documentation
<b>Normal bold</b>	Chapter headings in the documentation (levels 1 to 4)
<u>Normal underlined</u>	Examples
“Normal”	The names of functions or actions in the framework of the selection options
<i>Normal italic</i>	Definitions and fields of the REST interface object

Table 1: Different styles used in the documentation

## 1.4 Abbreviations

The table below describes abbreviations used in the texts and illustrations:

<b>Abbreviation</b>	<b>Description</b>
API	Application Programming Interface (set of subroutine definitions, protocols and tools for building application software)
BPM	Business Process Management (improving business performance outcomes and operational agility)
CMIS	Content Management Interoperability Services (a system for customer relationship management)
CRM	Customer Relationship Management (a system for customer relationship management)
DMS	Document Management System (a system for document management)
ERP	Enterprise Resource Planning (a business information system)
HTTP	Hyper Text Transfer Protocol (hypertext transfer protocol)
JSON	JavaScript Object Notation (data exchange format)
SOAP	Simple Object Access Protocol (protocol specification for exchanging structured information in the implementation of web services)
URI	Uniform Resource Identifier (a string of characters that identifies a logical or physical source)
XML	Extensible Markup Language (a markup language for hierarchically structuring data in the form of text files)
WSDL	Web Service Description Language (a document intended for describing available web services)

Table 2: Abbreviation usage in the documentation

## 2 GENERAL

IMiS®/Storage Connector Services provide a powerful, convenient, and simple Web services API for interacting with digital archive IMiS®/ARChive Server. The advantages include ease of integration and development.

### 2.1 Integration with applications

IMiS®/Storage Connector Services API is a service layer of IMiS®/Storage Connector.

IMiS®/Storage Connector is built around the 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.

The IMiS®/Storage Connector interface communicates with the archive server via a binary protocol, and with the application via the SOAP protocol. This ensures high responsiveness and throughput of the system.

IMiS®/Storage Connector Services is open to different APIs as well (REST, CMIS, ...).

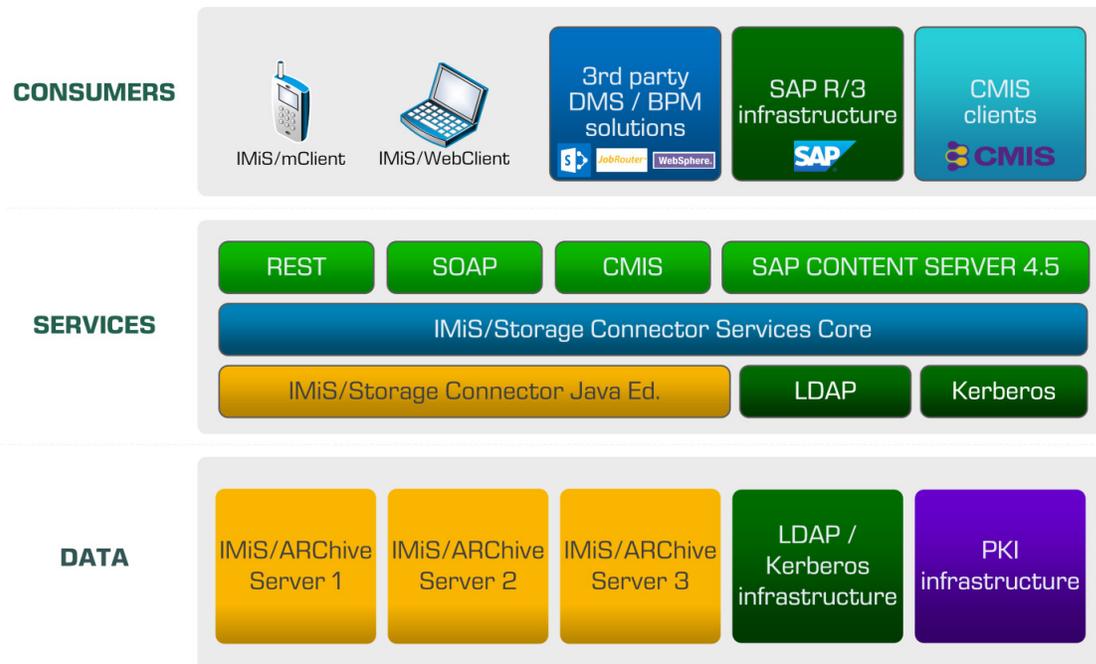


Image 1: IMiS®/Storage Connector Services architecture

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

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

## 2.2 Security

For secure data exchange, we need to use HyperText Transfer Protocol Secure (HTTPS), which ensures application server authentication and protection of exchanged data to IMiS®/Storage Connector Services SOAP.

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.

The security of the IMiS®/ARChive Server access is set by the administrator in the application settings (chapter [Archives settings](#)) on the individual archive.

To establish a secure connection with the IMiS®/ARChive server, the administrator sets:

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

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

## 2.3 Product 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.9.5.1910.105.war*

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

- **EDITION:** This identifier represents the product interface version.
- **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 October 2019 will read 1910.*

- **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.

## 2.4 Functionality

The basic functionalities of the IMiS®/Storage Connector Services SOAP programming interface are the following:

- The application communicates with IMiS®/ARChive Server via the standardized SOAP protocol.
- Access to objects on IMiS®/ARChive Server via a web server as a web service.

## 2.5 New functionalities in this version

In version 9.5.1910, we have implemented the following new functionalities and improvements to the previous version 9.3.1810 of the IMiS®/Storage Connector Services SOAP module:

### New functionalities:

- Operation of reading entity access permissions for each directory entity.
- Operations of managing access permissions on drafts (reading a collection of access permissions, reading the access permissions of each directory entity, adding a collection of access permissions, changing access permissions, changing metadata access permissions, deleting access permissions, deleting metadata access permissions).
- Operation of defining and reading publicly accessible draft details.
- Operations of defining, reading, opening, modifying and closing a draft.
- Operations of draft content management.
- Operation of checking out a draft.
- Entity import operations.
- Creating an entity collection.

- Creating objects in the request to create an entity.
- Supports unstructured object storage.
- Defining fields in the response when reading entities, searching, reading drafts, reading reviews, reading entity versions.
- Reading activities with multiple parameters and reading pages.
- Adding the reason for an action (opening an entity, saving an entity, creating an entity, etc.).
- Changes to defining the generation of subentity classification codes.
- Setting a new classification code when moving an entity.
- Setting whether the entity metadata value is inherited.
- Modifying an entity template.

#### Improvements:

- Expanded data set on the archive (creating drafts, service version).
- Expanded data set on the user's administrative access (creating a review).
- Expanded data set for a directory entity collection (collection size, page size, page index).
- Expanded data set for opening a session (service version, service name).
- Expanded data set for searching (page index, page size, collection size, truncated set of search results, maximum No. of elements, categories).
- Improved speed of loading directory entities.
- When reading a retention policy, a collection of authorization metadata is returned.
- When reading an entity of the document type, a collection of object metadata is returned.

## 3 SYSTEM REQUIREMENTS

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

### 3.1 Hardware

Practically all computers currently available on the market meet the hardware requirements for running IMiS®/Storage Connector Services.

Minimum and recommended requirements are listed below.

#### 3.1.1 Minimum requirements

Minimum requirements for IMiS®/Storage Connector Services:

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

*Notes:*

*\* This is a brief summary of the minimum hardware requirements for Java 8 Runtime Environment as listed on Oracle's website:*

<https://www.java.com/en/download/help/sysreq.xml>

#### 3.1.2 Recommended requirements

Recommended requirements for IMiS®/Storage Connector Services:

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

## 3.2 Software

Requirements for IMiS®/Storage Connector Services:

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

*Notes:*

*\* This is a brief summary of the minimum hardware requirements for Java 8 Runtime Environment as listed on Oracle's website:*

<http://www.oracle.com/technetwork/java/javase/certconfig-2095354.html>

## 4 ADMINISTRATION

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

### 4.1 Installation

Installation is 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 SOAP is available as a WAR package. 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 SOAP 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 IMiS®/Storage Connector Services SOAP interface, the settings need to be defined. Archives are defined in the `config.xml` file.

The default location of the configuration file: .../webapps/.../WEB-INF/config/config.xml

The location of the configuration file is defined in WEB-INF/web.xml with the parameter com.imis.storageconnector.services.config.

*Example of setting the location of configuration in web.xml*

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

*Definition of the configuration: 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.
linkIdType	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 the entity collection pages. (optional).
entityCollectionPageSize	Integer	The size of the entity collection page (optional).
defaultObjectRangeSize	Long	Default response size when reading a part of the object (optional, default value: 2 MB).
signingCertificateAlias	String	The alias name in the keyStore which is used for XML signatures when exporting entities (optional).
signingCertificateAliasPassword	String	The alias password which is used for XML signatures when exporting entities (optional).
workDirectory	String	Absolute path to the directory which is used for importing and exporting entities (optional, default value is the temporary directory).
maxIOPayloadSize	Integer	The required maximum size of data used to communicate with the archive (optional).
deferredCollectionFiltering	Boolean	Deferred collection filtering specifies that the elements in the collection are loaded on read (optional, default value: true). IMiS®/ARChive Server 9.10 or higher.
objectStagingEnabled	Boolean	Specifies whether object staging is enabled (optional, default value: true).
defaultObjectStage	String	Default profile for object staging (optional).
maxCollectionSize	Integer	Defines the maximum number of elements that are returned in the reply when reading a collection (default value: 100000).

*Example of the configuration: config.xml*

```
<services>
  <config>
    <storage
      id="IARC"
      defaultEntityIdType="ID256"
      host="iarc.imis.si"
      port="16807"
      name="iarc.imis.si"
      description="Corporate archive server"
      idleTimeout="3600000" />
    <storage
      id="IARC01"
      defaultEntityIdType="ID256"
      name="iarc01.imis.si"
      description="Corporate archive server"
      host="iarc01.imis.si"
      port="16807"
      idleTimeout="3600000" />
  </config>
</services>
```

## 4.2 Start up and shut down

IMiS®/Storage Connector Services SOAP 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®/Storage Connector Services SOAP interface to a newer version, follow the upgrade process described below or use the Apache Tomcat server application manager (<https://tomcat.apache.org/tomcat-8.0-doc/manager-howto.html>).

### 4.3.1 Upgrading process

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

When using the project configuration:

1. Make a copy of the current configuration located at `.../webapps/<project name>/WEB-INF/config/config.xml` in the temporary directory `.../webapps/<project name>/` (if accessible from the outside).
2. Remove directory `.../webapps/<project name>`.
3. Expand `.war` file in the directory `.../webapps/<project name>`.

4. Replace `.../webapps/<project name>/WEB-INF/config/config.xml` with the previous file (see Step 1).
5. Run the server.

When using the path to the configuration file:

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

## 4.4 Removal

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

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

## 5 OBJECTS

SOAP (Simple Object Access Protocol) is a protocol for data exchange between web services based on standards. It relies on XML in order to provide messaging services.

It uses a random protocol for data transfer. Most often, it uses HTTP as it is broadly supported by web browsers and servers.

SOAP provides communication between the server and client based on a formal description of available web services in the WSDL scheme.

An application sends a SOAP request to a server that has web services enabled with the parameters for a search. The server returns a SOAP request, an XML-formatted document with the resulting data in standardized form, which is then used by the application.

Characteristics of the SOAP interface for accessing web services:

- Standardized.
- Language, platform and transport independent.
- Makes use of different data transfer modes (synchronous and asynchronous HTTP/HTTPS).
- It provides a standard implementation of data integrity and data privacy and a high security level. In addition to SSL support, SOAP also supports WS-Security, which adds some enterprise security features.
- 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.

IMiS®/Storage Connector Services SOAP is used when the SOAP communication protocol requires support (architectural or technological) for storing and reading objects on the archive server, and for reading object properties (date and time of creation, date and time of last modification, ... and other object metadata).

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

## 5.1 Types

### 5.1.1 AdministrationAccess

Object provides information on archive administration access.

#### *Scheme*

```
<xsi:complexType name="AdministrationAccess">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an archive administration
    access</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="createReviews" type="xsi:boolean" use="required"/>
  <xsi:attribute name="deletedEntities" type="xsi:boolean" use="required"/>
  <xsi:attribute name="deletedQueue" type="xsi:boolean" use="required"/>
  <xsi:attribute name="disposedEntities" type="xsi:boolean" use="required"/>
  <xsi:attribute name="exportLogs" type="xsi:boolean" use="required"/>
  <xsi:attribute name="importLogs" type="xsi:boolean" use="required"/>
  <xsi:attribute name="reviews" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

#### *Parameters*

createReviews	Boolean	Specifies whether the creation of reviews is enabled.
deletedEntities	Boolean	Specifies whether the access to deleted entities is enabled.
deletedQueue	Boolean	Specifies whether the access to entities queued for deletion is enabled.
disposedEntities	Boolean	Specifies whether the access to disposed entities is enabled.
exportLogs	Boolean	Specifies whether the access to export logs is enabled.
importLogs	Boolean	Specifies whether the access to import logs is enabled.
reviews	Boolean	Specifies whether the access to reviews is enabled.

### 5.1.2 ArchiveCertificateReadRequest

Object provides request to read archive certificate.

#### *Scheme*

```
<xsi:complexType name="ArchiveCertificateReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ArchiveCertificateRead operation
    request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

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

### 5.1.3 ArchiveCertificateReadResponse

Object provides response to archive certificate read.

#### Scheme

```
<xsi:complexType name="ArchiveCertificateReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ArchiveCertificateRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Certificate" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	Unique identifier of the session.
Certificate	base64Binary	Archive certificate.

### 5.1.4 Account

Object provides information on the request to change the password of the directory entity of current user and has been derived from the [DirectoryEntity](#).

#### Scheme

```
<xsi:complexType name="Account">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an account</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:DirectoryEntity">
      <xsi:sequence>
        <xsi:element name="DescriptionEditable" type="xsi:boolean"/>
        <xsi:element name="EmailEditable" type="xsi:boolean"/>
        <xsi:element name="FirstNameEditable" type="xsi:boolean"/>
        <xsi:element name="IconEditable" type="xsi:boolean"/>
        <xsi:element name="LastNameEditable" type="xsi:boolean"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

#### Parameters

DescriptionEditable	Boolean	Specifies whether the description is editable.
EmailEditable	Boolean	Specifies whether the email is editable.
FirstNameEditable	Boolean	Specifies whether the first name is editable.
IconEditable	Boolean	Specifies whether the icon is editable.
LastNameEditable	Boolean	Specifies whether the last name is editable.

## 5.1.5 AccountChangePasswordRequest

Object provides request to change the password of the directory entity of current user.

### *Scheme*

```
<xsi:complexType name="AccountChangePasswordRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountChangePassword operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="OldPassword" type="xsi:string"/>
    <xsi:element name="NewPassword" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

SessionToken	String	Unique identifier of the session.
OldPassword	String	Current password.
NewPassword	String	New password.

## 5.1.6 AccountChangePasswordResponse

Object provides response to the request to change the password of the directory entity of current user.

### *Scheme*

```
<xsi:complexType name="AccountChangePasswordResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountChangePassword operation
response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

## 5.1.7 AccountReadRequest

Object provides request to read the directory entity of current user.

### *Scheme*

```
<xsi:complexType name="AccountReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
IncludeAvatar	Boolean	Specifies whether the response includes user avatars (optional).

**5.1.8 AccountReadResponse**

Object provides response to the request to read the directory entity of current user.

*Scheme*

```
<xsi:complexType name="AccountReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DirectoryEntity" type="tns:DirectoryEntity"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.9 Archive**

Object provides information on archive server.

*Scheme*

```
<xsi:complexType name="Archive">
  <xsi:annotation>
    <xsi:documentation>Represents a ArchiveRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="Host" type="xsi:string"/>
    <xsi:element name="Capabilities" type="tns:ArchiveCapabilities" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ServiceName" type="xsi:string"/>
    <xsi:element name="ServiceVersion" type="xsi:long"/>
    <xsi:element name="AdministrationAccess" type="tns:AdministrationAccess"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
  <xsi:attribute name="auditLogRequired" type="xsi:boolean" 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.														
Features	<a href="#">ArchiveFeatures</a>	Object provides information on entity content objects management.														
EffectiveRights	<a href="#">EntityRights</a>	Object provides the effective rights of user (optional).														
Secure	Boolean	Specifies whether the iarc protocol is used.														
ServiceName	String	The title of the archive service.														
ServiceVersion	Long	The version of the archive service. The set of values: <table border="1"> <thead> <tr> <th>Value</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>590</td> <td>9</td> </tr> <tr> <td>670</td> <td>9.7</td> </tr> <tr> <td>685</td> <td>9.8</td> </tr> <tr> <td>690</td> <td>9.9</td> </tr> <tr> <td>695</td> <td>9.10.1904</td> </tr> <tr> <td>700</td> <td>9.10.1910</td> </tr> </tbody> </table>	Value	Version	590	9	670	9.7	685	9.8	690	9.9	695	9.10.1904	700	9.10.1910
Value	Version															
590	9															
670	9.7															
685	9.8															
690	9.9															
695	9.10.1904															
700	9.10.1910															
AdministrationAccess	<a href="#">AdministrationAccess</a>	Object defines administration access.														
auditLogRequired	Boolean	Specifies whether the reason is required.														

**5.1.10 ArchiveCapabilities**

Object provides information on user roles.

*Scheme*

```
<xsi:complexType name="ArchiveCapabilities">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an archive
capabilities</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="auditQuery" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentManagement" type="xsi:boolean" use="required"/>
  <xsi:attribute name="draftManagement" type="xsi:boolean" use="required"/>
  <xsi:attribute name="importExport" type="xsi:boolean" use="required"/>
  <xsi:attribute name="reports" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

*Parameters*

auditQuery	Boolean	Allows access to the audit log.
contentManagement	Boolean	Allows content management.
draftManagement	Boolean	Allows draft management.
importExport	Boolean	Allows import and export of the entities.
reports	Boolean	The role allows: <ul style="list-style-type: none"> <li>- Display system reports on export and import.</li> <li>- Display system reports on user access, folders, documents, content and retention policies.</li> <li>- Print information on classes, folders and documents.</li> <li>- Print classes and folders.</li> </ul>

**5.1.11 ArchiveFeatures**

Object provides information on entity content objects management.

*Scheme*

```
<xsi:complexType name="ArchiveFeatures">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an archive features</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="contentConvert" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentDetach" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentIndex" type="xsi:boolean" use="required"/>
  <xsi:attribute name="contentMove" type="xsi:boolean" use="required"/>
  <xsi:attribute name="createDrafts" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

*Parameters*

contentConvert	Boolean	Enables conversion of the entity content object.
contentDetach	Boolean	Enables detachment of the entity content object.
contentIndex	Boolean	Enables indexing of the entity content object.
contentMove	Boolean	Enables moving content object to another entity.
contentDrafts	Boolean	Enables creation of drafts.

## 5.1.12 ArchiveConfig

Object provides information on single archive.

### *Scheme*

```
<xsi:complexType name="ArchiveConfig">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an archive config</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="Host" type="xsi:string"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
</xsi:complexType>
```

### *Parameters*

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

## 5.1.13 ArchiveReadRequest

Object provides request to read the archive.

### *Scheme*

```
<xsi:complexType name="ArchiveReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ArchiveRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.14 ArchiveReadResponse**

Object provides response to the archive read.

*Scheme*

```
<xsi:complexType name="ArchiveReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ArchiveRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Archive" type="tns:Archive"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.15 ArchivesReadRequest**

Object provides request to read the archives.

*Scheme*

```
<xsi:complexType name="ArchivesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ArchivesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    </xsi:sequence>
  </xsi:sequence>
</xsi:complexType>
```

**5.1.16 ArchivesReadResponse**

Object provides response to the archives read.

*Scheme*

```
<xsi:complexType name="ArchivesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an ArchivesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Archive" type="tns:ArchiveConfig" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.17 AuditLogEvent**

Object provides information on audit log event.

*Scheme*

```
<xsi:complexType name="AuditLogEvent">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a audit log event</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Delegate" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Details" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="User" type="tns:DirectoryEntityInfo"/>
  </xsi:sequence>
  <xsi:attribute name="computerName" type="xsi:string"/>
  <xsi:attribute name="localAddress" type="xsi:string"/>
  <xsi:attribute name="publicAddress" type="xsi:string"/>
  <xsi:attribute name="time" type="xsi:string"/>
  <xsi:attribute name="type" type="tns:AuditLogEventType"/>
</xsi:complexType>
```

*Parameters*

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

## 5.1.18 AuditLogEventType

Object provides information on audit log event type.

### Scheme

```
<xsi:simpleType name="AuditLogEventType">
  <xsi:annotation>
    <xsi:documentation>Represents an audit log event type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Invalid"/>
    <xsi:enumeration value="EntityCreate"/>
    <xsi:enumeration value="EntityOpenReadOnly"/>
    <xsi:enumeration value="EntityOpenReadWrite"/>
    <xsi:enumeration value="EntitySave"/>
    <xsi:enumeration value="EntityMove"/>
    <xsi:enumeration value="EntityDelete"/>
    <xsi:enumeration value="AuditLogQuery"/>
    <xsi:enumeration value="ConfigurationChange"/>
    <xsi:enumeration value="PropertyValueChange"/>
    <xsi:enumeration value="ACLEntryChange"/>
    <xsi:enumeration value="PhysicalEntityChange"/>
    <xsi:enumeration value="SecurityClassChange"/>
    <xsi:enumeration value="StatusChange"/>
    <xsi:enumeration value="RetentionChange"/>
    <xsi:enumeration value="ContentPartMove"/>
    <xsi:enumeration value="ContentPartOpenReadOnly"/>
    <xsi:enumeration value="ContentPartOpenReadWrite"/>
    <xsi:enumeration value="ContentPartCreate"/>
    <xsi:enumeration value="ContentPartDelete"/>
    <xsi:enumeration value="ContentPartSave"/>
    <xsi:enumeration value="ContentPartMetadataChange"/>
    <xsi:enumeration value="EntityDisposed"/>
    <xsi:enumeration value="EntityPermanent"/>
    <xsi:enumeration value="EntityTransferred"/>
    <xsi:enumeration value="EntityReviewed"/>
    <xsi:enumeration value="EntityCheckOut"/>
    <xsi:enumeration value="EntityCheckIn"/>
    <xsi:enumeration value="EntityDiscard"/>
    <xsi:enumeration value="EntityTemplateSwitch"/>
  </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
ContentPartMove	Enumerator
ContentPartOpenReadOnly	Enumerator
ContentPartOpenReadWrite	Enumerator
ContentPartCreate	Enumerator
ContentPartDelete	Enumerator
ContentPartSave	Enumerator
ContentPartMetadataChange	Enumerator
EntityDisposed	Enumerator
EntityPermanent	Enumerator
EntityTransferred	Enumerator
EntityReviewed	Enumerator
EntityCheckOut	Enumerator
EntityCheckIn	Enumerator
EntityDiscard	Enumerator
EntityTemplateSwitch	Enumerator

### 5.1.19 AuditLogRawReadRequest

Object provides request to read the audit log in different formats.

#### *Scheme*

```
<xsi:complexType name="AuditLogRawReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an AuditLogRawRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Type" type="tns:AuditLogRawType"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Event	<a href="#">AuditLogEvent</a> []	Collection of audit log events (optional).
-------	----------------------------------	--

**5.1.20 AuditLogRawReadResponse**

Object provides response to the request to read the audit log in different formats.

*Scheme*

```
<xsi:complexType name="AuditLogRawReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an AuditLogRawRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="AuditLog" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

AuditLog	String	Audit log events (optional).
----------	--------	------------------------------

**5.1.21 AuditLogRawType**

Object provides information on the audit log type.

*Scheme*

```
<xsi:simpleType name="AuditLogRawType">
  <xsi:annotation>
    <xsi:documentation>Represents an audit log raw type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="CSV"/>
    <xsi:enumeration value="XML"/>
  </xsi:restriction>
</xsi:simpleType>
```

*Parameters*

CSV	Enumerator.
XML	Enumerator.

## 5.1.22 AuditLogReadResponse

Object provides response to the request to read the audit log.

### Scheme

```
<xsi:complexType name="AuditLogReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an AuditLogRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Event" type="tns:AuditLogEvent" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Size" type="xsi:long"/>
    <xsi:element name="Statistic" type="tns:AuditLogStatistic" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Event	<a href="#">AuditLogEvent</a> []	Collection of audit log events (optional).
Size	long	The size of the audit log events collection.
Statistic	<a href="#">AuditLogStatistic</a>	The audit log events statistic (optional).

## 5.1.23 AuditLogReadOptions

Object provides information on entity audit log options read.

### Scheme

```
<xsi:complexType name="AuditLogReadOptions">
  <xsi:annotation>
    <xsi:documentation>Represents an audit log read options</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="After" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Before" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Events" type="tns:AuditLogEventType" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Recursive" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Refresh" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Statistic" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SortByDate" type="tns:SortOrderType" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Types" type="tns:EntityType" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Usernames" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="UsernameFrom" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UsernameTo" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Addresses" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="AddressFrom" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AddressTo" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ComputerNames" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="ComputerNameFrom" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ComputerNameTo" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

After	dateTime	Start date.
Before	dateTime	End date.
Events	<a href="#">AuditLogEventType</a> []	Collection of events in the reply.
Recursive	Boolean	Specifies whether the events of subentities are returned (optional, default value is false).
Refresh	Boolean	Specifies whether the event collection is refreshed. (optional, default value is false).
Statistic	Boolean	Specifies whether the reply sends an audit log events statistic (optional, default value is false).
SortByDate	<a href="#">SortOrderType</a>	Sorting by date.
Types	<a href="#">EntityType</a> []	Entity types.
Usernames	String []	Username collection.
UsernameFrom	String	Start username.
UsernameTo	String	End username.
Addresses	String []	Address collection.
AddressFrom	String	Start address.
AddressTo	String	End address.
ComputerNames	String []	Collection of device names.
ComputerNameFrom	String	Device start name.
ComputerNameTo	String	Device end name.
PageStart	unsignedInt	The beginning of the page.
PageSize	unsignedShort	The size of the page.

**5.1.24 AuditLogStatistic**

Object provides information on audit log statistic.

*Scheme*

```
<xsi:complexType name="AuditLogStatistic">
  <xsi:annotation>
    <xsi:documentation>Represents an audit log statistic</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Day" type="tns:AuditLogStatisticDay" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="User" type="tns:AuditLogStatisticUser" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Day	<a href="#">AuditLogStatisticDay</a> []	Collection of the number of events on a given day.
User	<a href="#">AuditLogStatisticUser</a> []	Collection of the number of users on a given day.

**5.1.25 AuditLogStatisticDay**

Object provides information on audit log statistic on a specific day.

*Scheme*

```
<xsi:complexType name="AuditLogStatisticDay">
  <xsi:annotation>
    <xsi:documentation>Represents an audit log statistic day</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Date" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Events" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Date	dateTime	Date.
Events	unsignedInt	Number of events.

**5.1.26 AuditLogStatisticUser**

Object provides information on audit log statistic for a specific user.

*Scheme*

```
<xsi:complexType name="AuditLogStatisticUser">
  <xsi:annotation>
    <xsi:documentation>Represents an audit log statistic user</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Date" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Users" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Date	dateTime	Date.
Users	unsignedInt	Number of users.

## 5.1.27 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).

## 5.1.28 BatchEntity

Object provides information on entity create.

### *Scheme*

```
<xsi:complexType name="BatchEntity">
  <xsi:annotation>
    <xsi:documentation>Defines a batch entity item type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs
="1"/>
    <xsi:element name="ChildClassificationCodeMode" type="tns:ChildClassificationCodeMode"
minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Significance" type="tns:InheritedStringPropertyUpdate" minOccurs
="0" maxOccurs="1"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs
="unbounded"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Retention" type="tns:RetentionUpdate" minOccurs="0" maxOccurs
="1"/>
    <xsi:element name="Property" type="tns:PropertyUpdate" minOccurs="0" maxOccurs
="unbounded"/>
    <xsi:element name="EmailProperties" type="tns:EmailPropertiesUpdate" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<xsi:element name="PhysicalProperties" type="tns:PhysicalPropertiesUpdate" minOccurs="0" maxOccurs="1"/>
<xsi:element name="Object" type="tns:ObjectCreate" minOccurs="0" maxOccurs="unbounded"/>
<xsi:element name="ObjectTransfer" type="tns:ObjectTransfer" minOccurs="0" maxOccurs="unbounded"/>
<xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
</xsi:sequence>
<xsi:attribute name="search" type="xsi:string"/>
<xsi:attribute name="update" type="xsi:boolean"/>
<xsi:attribute name="overwriteObjects" type="xsi:boolean"/>
</xsi:complexType>

```

### Parameters

Title	String	The title of the entity.
Template	String	Unique identifier of the entity template.
Description	String	Entity description (optional)
Id	EntityId	Unique identifier of the entity (optional).
ClassificationCode	String	The canonical form of the full classification code.
ChildClassificationCodeMode	<a href="#">ChildClassificationCodeMode</a>	Child entity classification code generation (optional).
Owner	String	The owner of the entity (optional).
Significance	<a href="#">InheritedStringPropertyUpdate</a>	The significance of the entity (optional).
ExternalId	String []	The external identifiers of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
Retention	<a href="#">RetentionUpdate</a>	Retention policies and disposition holds (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity properties (optional).
EmailProperties	<a href="#">EmailPropertiesUpdate</a>	Email properties (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties (optional).
Object	<a href="#">ObjectCreate</a> []	Entity object create.
ObjectTransfer	<a href="#">ObjectTransfer</a> []	Collection of objects for transfer (optional).

SecurityClass	<a href="#">InheritedStringPropertyUpdate</a>	The security class of the entity (optional).
Status	<a href="#">InheritedStringPropertyUpdate</a>	The status of the entity (optional).

### 5.1.29 BatchEntityCreate

Object provides information on entity create.

#### *Scheme*

```
<xsi:complexType name="BatchEntityCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a batch entity item create type</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:BatchEntity">
      <xsi:sequence>
        <xsi:element name="Entities" type="tns:BatchEntityCreate" minOccurs="0"
maxOccurs="unbounded"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

#### *Parameters*

Entities	<a href="#">BatchEntityCreate</a> []	Collection of entities.
----------	--------------------------------------	-------------------------

### 5.1.30 BatchEntityCreateRequest

Object provides information on entity create.

#### *Scheme*

```
<xsi:complexType name="BatchEntityCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an BatchEntityCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ScopeId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Search" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entities" type="tns:BatchEntityCreate" minOccurs="0" maxOccurs
="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	Unique identifier of the session.
Scopeld	EntityId	The unique identifier of the parent entity (optional).
Search	String	Search string (optional).
Entities	<a href="#">BatchEntityCreate</a> []	Collection of entities (optional).

### 5.1.31 BatchEntityCreateResponse

Object provides information on entity create.

#### Scheme

```
<xsi:complexType name="BatchEntityCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an BatchEntityCreate operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Entities" type="tns:EntityStub" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

Entities	<a href="#">EntityStub</a> []	Collection of entities.
----------	-------------------------------	-------------------------

### 5.1.32 BatchEntityRefCreate

Object provides information on entity reference create.

#### Scheme

```
<xsi:complexType name="BatchEntityRefCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a batch entity item create type</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:BatchEntity">
      <xsi:attribute name="refId" type="xsi:ID" use="required"/>
      <xsi:attribute name="parentRefId" type="xsi:IDREF"/>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

#### Parameters

refId	ID	Unique reference of the entity.
parentRefId	IDREF	Unique reference of the parent entity (optional).

### 5.1.33 BatchEntityRefCreateRequest

Object provides information on entity reference create.

#### *Scheme*

```
<xsi:complexType name="BatchEntityRefCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an BatchEntityRefCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ScopeId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Search" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entities" type="tns:BatchEntityRefCreate" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	Unique identifier of the session.
ScopeId	<a href="#">EntityId</a>	The unique identifier of the parent entity (optional).
Search	String	Search string (optional).
Entities	<a href="#">BatchEntityRefCreate</a> []	Collection of entities (optional).

### 5.1.34 BatchEntityRefCreateResponse

Object provides information on entity reference create.

#### *Scheme*

```
<xsi:complexType name="BatchEntityRefCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an BatchEntityRefCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Entities" type="tns:EntityStub" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

Entities	<a href="#">EntityStub</a> []	Collection of entities
----------	-------------------------------	------------------------

### 5.1.35 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.

### 5.1.36 Category

Object provides information on category.

#### *Scheme*

```
<xsi:complexType name="Category">
  <xsi:annotation>
    <xsi:documentation>Represents a category</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="name" type="xsi:string"/>
  <xsi:attribute name="size" type="xsi:unsignedInt"/>
</xsi:complexType>
```

#### *Parameters*

name	String	Category name.
size	unsignedInt	Category size.

## 5.1.37 CollectionReadRequest

Object provides request to read the collection.

### Scheme

```
<xsi:complexType name="DraftsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftsRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:EntityStubSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="CategoryProperty" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Filter	<a href="#">EntityStubFilter</a>	Filter (optional).
Paging	<a href="#">EntityStubPaging</a>	Entity paging information (optional).
Sort	<a href="#">EntityStubSort</a>	Sorting of entities (optional).
CategoryProperty	String []	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character “ , ” (optional). The response provides a list of potential categories by properties.
Category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

## 5.1.38 CollectionSort

Object provides the sort order of the collection.

### Scheme

```
<xsi:complexType name="CollectionSort">
  <xsi:annotation>
    <xsi:documentation>Represents a sort object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Order" type="tns:SortOrderType"/>
    <xsi:element name="Key" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Order	SortOrderType	The sort order of the collection.
Key	String	<p>The sort key of the collection.</p> <p>The set of values:</p> <ul style="list-style-type: none"> <li>- sys:Title: The title of the entity.</li> <li>- sys:ClassificationCode: The classification code.</li> <li>- sys:Creator: The author of the entity.</li> <li>- sys:Owner: The owner of the entity.</li> <li>- sys:Opened: Date and time of the entity open.</li> <li>- sys:SecurityClass: The security class of the entity.</li> <li>- sys:Status: The status of the entity.</li> <li>- sys:Significance: The significance of the entity.</li> <li>- metadata identifier.</li> </ul>

### 5.1.39 CheckInRequest

Object provides request to check in a draft.

*Scheme*

```
<xsi:complexType name="CheckInRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a CheckIn operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Position" type="xsi:short" nillable="true"/>
    <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi: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.												
Position	short	<p>The position of the version.</p> <p>The set of values:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Value</th> <th style="text-align: left;">Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Major (e.g. 2)</td> </tr> <tr> <td>1</td> <td>Minor (e.g. 2.1)</td> </tr> <tr> <td>2</td> <td>3<sup>rd</sup> level (e.g. 2.1.1)</td> </tr> <tr> <td>3</td> <td>4<sup>th</sup> level (e.g. 2.1.1.1)</td> </tr> <tr> <td>null</td> <td>Overwrite current version.</td> </tr> </tbody> </table>	Value	Description	0	Major (e.g. 2)	1	Minor (e.g. 2.1)	2	3 <sup>rd</sup> level (e.g. 2.1.1)	3	4 <sup>th</sup> level (e.g. 2.1.1.1)	null	Overwrite current version.
Value	Description													
0	Major (e.g. 2)													
1	Minor (e.g. 2.1)													
2	3 <sup>rd</sup> level (e.g. 2.1.1)													
3	4 <sup>th</sup> level (e.g. 2.1.1.1)													
null	Overwrite current version.													

Comment	String	Comment to the version (optional).
Reason	String	The reason for entity check-in.

### 5.1.40 CheckOutRequest

Object provides request to create a draft.

#### *Scheme*

```
<xsi:complexType name="CheckOutRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a CheckOut operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
Version	int	Entity version (optional).
Reason	String	The reason for entity check-out.

### 5.1.41 ChildClassificationCodeMode

Object provides the child entity classification code generation type.

#### *Scheme*

```
<xsi:simpleType name="ChildClassificationCodeMode">
  <xsi:annotation>
    <xsi:documentation>Represents a child classification code mode type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Automatic"/>
    <xsi:enumeration value="Manual"/>
    <xsi:enumeration value="ManualOptional"/>
  </xsi:restriction>
</xsi:simpleType>
```

#### *Parameters*

Automatic	Child entity classification code generation is automatic.
Manual	Child entity classification code generation is manual.
ManualOptional	Child entity classification code generation is manual optional.

## 5.1.42 DeletedEntitiesReadRequest

Object provides request to read deleted entities.

### Scheme

```
<xsi:complexType name="DeletedEntitiesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DeletedEntitiesRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of deleted entity (optional).
Paging	<a href="#">EntityStubPaging</a>	Entity paging information (optional).
Sort	<a href="#">CollectionSort</a>	Sorting of entities (optional).

## 5.1.43 DeletedEntitiesReadResponse

Object provides response to the request to read deleted entities.

### Scheme

```
<xsi:complexType name="DeletedEntitiesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an DeletedEntitiesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DeletedEntity" type="tns:DeletedEntity" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

DeletedEntity	DeletedEntity []	The collection of deleted entities.
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedInt	The size of the page (optional).
Size	long	The size of the deleted entities collection.

## 5.1.44 DeletedEntity

Object provides information on deleted entity.

### Scheme

```
<xsi:complexType name="DeletedEntity">
  <xsi:annotation>
    <xsi:documentation>Defines a deleted entity type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Agent" type="tns:DirectoryEntityInfo"/>
    <xsi:element name="ClassificationCode" type="xsi:string"/>
    <xsi:element name="Container" type="xsi:boolean"/>
    <xsi:element name="ChildCount" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Deleted" type="xsi:dateTime"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="PublicClassificationCode" type="xsi:string"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reference" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Agent	DirectoryEntityInfo	Directory entity, which deleted the entity.
ClassificationCode	String	The canonical form of the full classification code.
Container	Boolean	Specifies whether an entity can contain child entities.
ChildCount	long	The number of child entities (optional).
Deleted	dateTime	Date and time of deletion.
Description	String	A description of the deleted entity.
Id	String	Unique identifier of deleted entity.
PublicClassificationCode	String	Entity classification code in the classification scheme.
Reason	String	The reason for entity deletion.
Reference	String	Identifier of the linked entity.
Title	String	The title of the entity.

### 5.1.45 DeletedEntityReadRequest

Object provides request to read deleted entity.

#### Scheme

```
<xsi:complexType name="DeletedEntityReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DeletedEntityRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parametres

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of deleted entity.

### 5.1.46 DeletedEntityReadResponse

Object provides response to the request to read deleted entity.

#### Scheme

```
<xsi:complexType name="DeletedEntityReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an DeletedEntityRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DeletedEntity" type="tns:DeletedEntity"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

DeletedEntity	DeletedEntity	Deleted entity.
---------------	---------------	-----------------

### 5.1.47 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:element name="IncludeAvatar" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

```
<xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
</xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of directory entity.
IncludeAvatar	Boolean	Specifies whether the response includes user avatars (optional, default value: false).
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedShort	The size of the entity page (optional).
Sort	<a href="#">CollectionSort</a>	Sorting of entities (optional).

## 5.1.48 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:element name="Deleted" type="xsi:boolean"/>
    <xsi:element name="Enabled" type="xsi:boolean"/>
    <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="CreatedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ModifiedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Avatar" 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*

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.
Deleted	Boolean	Specifies whether the directory entity is deleted.
Enabled	Boolean	Specifies whether the directory entity is enabled.
Created	DateTime	Date and time of the directory entity creation.
CreatedBy	<a href="#">DirectoryEntityInfo</a>	The user who created the directory entity.
Modified	DateTime	Date and time of the directory entity update (optional).
ModifiedBy	<a href="#">DirectoryEntityInfo</a>	The user who last modified the directory entity.
Avatar	base64Binary	The image of the user (optional).

**5.1.49 DirectoryEntityInfo**

Object provides information on directory entity.

*Scheme*

```
<xsi:complexType name="DirectoryEntityInfo">
  <xsi:annotation>
    <xsi:documentation>Represents a directory entity info</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="FirstName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="LastName" type="xsi:string"/>
    <xsi:element name="Email" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Type" type="tns:DirectoryEntityType"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

FirstName	String	The name of the directory entity (optional).
LastName	String	The last name of the directory entity (optional).
Email	String	Email address of the directory entity (optional).
Type	<a href="#">DirectoryEntityType</a>	Directory entity type.
id	String	Unique identifier of the directory entity.

## 5.1.50 DirectoryEntityType

Object provides information on directory entity type.

### Scheme

```
<xsi:simpleType name="DirectoryEntityType">
  <xsi:annotation>
    <xsi:documentation>Represents a directory entity type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Group"/>
    <xsi:enumeration value="User"/>
  </xsi:restriction>
</xsi:simpleType>
```

### Parameters

Group	Directory entity is a group.
User	Directory entity is a user.

## 5.1.51 DirectoryEntitiesReadRequest

Object provides request to read the directory entities.

### Scheme

```
<xsi:complexType name="DirectoryEntitiesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a DirectoryEntitiesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="IncludeAvatar" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Search" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the directory entity (optional).
IncludeAvatar	Boolean	Specifies whether the response includes user avatars (optional, default value: false).
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedShort	The size of the entity page (optional).
Search	String	Search string (optional).
Sort	<a href="#">CollectionSort</a>	Sorting of entities (optional).

## 5.1.52 DirectoryEntitiesReadResponse

Object provides response to the request to read directory entities.

### Scheme

```
<xsi:complexType name="DirectoryEntitiesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a DirectoryEntitiesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
    <xsi:element name="DirectoryEntity" type="tns:DirectoryEntity" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

DirectoryEntity	<a href="#">DirectoryEntity</a> []	Directory entity (optional).
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedShort	The size of the entity page (optional).
Size	long	The size of the entities.

## 5.1.53 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"/>
    <xsi:element name="Reason" type="xsi:string"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
    <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.
Reason	String	The reason for the entity disposition hold.
Creator	String	The author of the entity disposition hold.
Description	String	A description of the entity disposition hold (optional).
id	String	Unique identifier of the entity disposition hold (optional).

**5.1.54 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.

**5.1.55 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.

**5.1.56 DispositionHoldsReadResponse**

Object provides response to the request to read entity disposition holds.

*Scheme*

```
<xsi:complexType name="DispositionHoldsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an DispositionHoldsRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DispositionHold" type="tns:DispositionHold" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.57 Draft**

Object provides information on entity draft and has been derived from the [DraftStub](#).

*Scheme*

```
<xsi:complexType name="Draft">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an draft</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:DraftStub">
      <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:element name="Object" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

*Parameters*

EmailProperties	<a href="#">EmailProperties</a>	Email properties (optional).
PhysicalProperties	<a href="#">PhysicalProperties</a>	Physical content properties (optional).
Object	<a href="#">ObjectItem</a> []	Entity object (optional).

## 5.1.58 DraftDiscardRequest

Object provides request to discard a draft.

### Scheme

```
<xsi:complexType name="DraftDiscardRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftDiscard operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of an entity draft.
Reason	String	The reason for entity draft discard.

## 5.1.59 DraftDiscardResponse

Object provides response to the request to discard an entity draft.

### Scheme

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

## 5.1.60 DraftOpenRequest

Object provides request to open the entity draft.

### Scheme

```
<xsi:complexType name="DraftDiscardRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftDiscard operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="EditMode" type="xsi:boolean"/>
    <xsi:element name="Reason" 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 entity draft.
EditMode	Boolean	Specifies whether the entity draft is open in edit mode.
Reason	String	The reason for entity draft open (optional).

**5.1.61 DraftReadRequest**

Object provides request to read the draft.

*Scheme*

```
<xsi:complexType name="DraftReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftRead 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" 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 draft.
Reason	String	The reason for entity draft open (optional).

**5.1.62 DraftReadResponse**

Object provides response to the request to read entity draft.

*Scheme*

```
<xsi:complexType name="DraftReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftStubRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Draft" type="tns:Draft"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Draft	<a href="#">Draft</a>	The information on entity draft.
-------	-----------------------	----------------------------------

## 5.1.63 DraftsReadResponse

Object provides response to the request to read entity drafts.

### Scheme

```
<xsi:complexType name="EntitiesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a EntitiesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DraftStub" type="tns:DraftStub" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

DraftStub	<a href="#">DraftStub</a> []	The entity draft public information (optional).
Category	<a href="#">Category</a> []	The categories of the entity draft.
PageStart	unsignedInt	The beginning of the entity draft page (optional).
PageSize	unsignedShort	The size of the entity draft page (optional).
Size	long	The size of the entities.

## 5.1.64 DraftStub

Object provides public information on entity draft.

### Scheme

```
<xsi:complexType name="DraftStub">
  <xsi:annotation>
    <xsi:documentation>Represents a draft stub</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PublicClassificationCode" type="xsi:string" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Title" type="xsi:string"/>
    <xsi:element name="Type" type="tns:EntityType"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Owner" type="tns:DirectoryEntityInfo" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="tns:TemplateInfo" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Accessed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ModifiedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Property" type="tns:Property" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="SourceId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
```

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

### Parameters

Title	String	The title of the entity draft.
Type	<a href="#">EntityType</a>	Entity type.
Description	String	A description of the entity draft (optional).
Creator	<a href="#">DirectoryEntityInfo</a>	The author of the entity draft (optional).
Owner	<a href="#">DirectoryEntityInfo</a>	The owner of the entity draft (optional).
Template	<a href="#">TemplateInfo</a>	The template information (optional).
Created	DateTime	Date and time of the entity draft creation.
Accessed	DateTime	Date and time of the entity draft access (optional).
Modified	DateTime	Date and time of the entity draft (optional).
ModifiedBy	<a href="#">DirectoryEntityInfo</a>	The user who last modified the entity draft.
Keyword	String []	Keywords of the entity draft (optional).
Category	String []	The categories of the entity draft. (optional).
EffectiveRights	<a href="#">EntityRights</a>	The effective rights of the directory entity.
Property	<a href="#">Property</a> []	Entity draft properties (optional).
id	String	Unique identifier of the entity draft.
Sourceld	String	Identifier of the entity from which the draft was made.

## 5.1.65 DraftStubReadRequest

Object provides request to read the public information on entity draft.

### Scheme

```
<xsi:complexType name="DraftStubReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftStubRead 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 draft.

## 5.1.66 DraftStubReadResponse

Object provides response to the request to read public information on entity draft.

### Scheme

```
<xsi:complexType name="DraftStubReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an DraftStubRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DraftStub" type="tns:DraftStub"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

DraftStub	<a href="#">DraftStub</a>	The entity draft public information (optional).
-----------	---------------------------	---

## 5.1.67 DraftUpdate

Operation updates an entity draft.

### Scheme

```
<xsi:complexType name="DraftUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating draft</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Title" type="xsi:string" 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="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
    <xsi:element name="Category" 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 draft (optional).
Description	String	A description of the entity draft (optional).
Owner	String	The owner of the entity draft (optional).
Keyword	String []	Keywords of the entity draft (optional).
Category	String []	The categories of the entity draft. (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity draft properties (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties (optional).

## 5.1.68 DraftUpdateRequest

Object provides request to update the entity draft.

### Scheme

```
<xsi:complexType name="DraftUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a DraftUpdate 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="DraftUpdate" type="tns:DraftUpdate"/>
    <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 draft.
DraftUpdate	<a href="#">DraftUpdate</a>	Object provides request to update the entity draft
Reason	String	The reason for entity draft update (optional).

## 5.1.69 EffectiveRightsReadRequest

Object provides request to read the effective rights.

### Scheme

```
<xsi:complexType name="EffectiveRightsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EffectiveRightsRead 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="Subject" 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, entity draft or review (optional).
Subject	String	Unique identifier of the directory entity (optional).

## 5.1.70 EffectiveRightsReadResponse

Object provides response to the request to read effective rights.

### Scheme

```
<xsi:complexType name="EffectiveRightsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EffectiveRightsRead operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0"
  maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

EffectiveRights	<a href="#">EntityRights</a>	The effective rights of the directory entity.
-----------------	------------------------------	---

## 5.1.71 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.
Message_id	String	Automatically generated message identifier (optional).
Priority	String	Priority status of the email (optional).
Signed	Boolean	A value that registers if the email message was electronically signed (optional).

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

## 5.1.72 EmailPropertiesUpdate

Object updates the email properties.

### *Scheme*

```
<xsi:complexType name="EmailPropertiesUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating email properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="From" type="xsi:string"/>
    <xsi:element name="MessageId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Priority" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Signed" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Date" type="xsi:dateTime"/>
    <xsi:element name="To" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="BCC" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="CC" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

Subject	String	Email subject (optional).
From	String	Email address of the sender.
Message_id	String	Automatically generated message identifier (optional).
Priority	String	Priority status of the email (optional).
Signed	Boolean	A value that registers if the email message was electronically signed (optional).
Date	DateTime	Date and time email was sent or received.
To	String []	Email addresses of the recipients (optional).
BCC	String []	Email addresses of hidden recipients (optional).
CC	String []	Email addresses of the carbon copy recipients (optional).

## 5.1.73 EntitiesReadRequest

Object provides request to read the entities.

### Scheme

```
<xsi:complexType name="EntitiesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a EntitiesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="CategoryProperty" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	<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).
Sort	<a href="#">EntityStubSort</a>	Sorting of entities (optional).
CategoryProperty	String []	The property used to request the categorization of the entity collection. The value enables multiple values, separated by the character »,« (optional). The response provides a list of potential categories by properties.
Category	String	The category of the entity collection. The value represents the category to which the entities belong (optional).

## 5.1.74 EntitiesReadResponse

Object provides response to the request to read entities.

### Scheme

```
<xsi:complexType name="EntitiesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a EntitiesRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="EntityStub" type="tns:EntityStub" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Category	<a href="#">Category</a> []	The collection of categories.
EntityStub	<a href="#">EntityStub</a> []	The collection of entities (optional).
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedShort	The size of the entity page (optional).
Size	long	The size of the entities.

**5.1.75 Entity**

Object provides information on the entity and has been derived from the [EntityStub](#).

*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).
Object	<a href="#">ObjectItem</a> []	Entity object (optional).

**5.1.76 EntityACLDeleteEntryRequest**

Object provides request to delete the entity access right.

*Scheme*

```
<xsi:complexType name="EntityACLDeleteEntryRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLDeleteEntry operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="EntryId" type="xsi:string"/>
    <xsi:element name="PropertyId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <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.
DirectoryEntityId	String	Unique identifier of the directory entity.
PropertyId	String	Unique identifier of the entity property (optional).
Reason	String	The reason for entity access right deletion (optional).

**5.1.77 EntityACLDeleteEntryResponse**

Object provides response to the entity access right delete.

*Scheme*

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

**5.1.78 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:EntityACLEntryCreate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PropertyACL" type="tns:PropertyACLCreate" minOccurs="0"
maxOccurs="unbounded"/>
    <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.
EntityACLEntry	<a href="#">EntityACLEntryUpdate</a> []	Entity access right update.
PropertyACL	<a href="#">PropertyACLCreate</a> []	Entity property access right create.
Reason	String	The reason for entity access right creation (optional).

## 5.1.79 EntityACLEntriesCreateResponse

Object provides response to request to create the entity access rights.

### Scheme

```
<xsi:complexType name="EntityACLEntriesCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLEntriesCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EntityACLEntry" type="tns:EntityACLEntry" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PropertyACL" type="tns:PropertyACL" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.80 EntityACLEntry

Object provides information on entity access right.

### Scheme

```
<xsi:complexType name="EntityACLEntry">
  <xsi:annotation>
    <xsi:documentation>Represents an entity ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DirectoryEntity" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="InheritedAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="InheritedDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="type" type="tns:EntityACLEntryType"/>
</xsi:complexType>
```

*Parameters*

Subject	String	Unique identifier of the directory entity or attribute.
DirectoryEntity	<a href="#">DirectoryEntityInfo</a>	Directory entity (optional).
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).
id	String	Unique identifier of the entity access right.
type	<a href="#">EntityACLEntryType</a>	The type of the entity access right.

**5.1.81 EntityACLEntryCreate**

Object provides information on the entity access right creation.

*Scheme*

```
<xsi:complexType name="EntityACLEntryUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating entity ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ExplicitAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="subject" type="xsi:string"/>
  <xsi:attribute name="type" type="tns:EntityACLEntryType"/>
</xsi:complexType>
```

*Parameters*

ExplicitAllowRights	<a href="#">EntityRights</a>	Explicit allow rights (optional).
ExplicitDenyRights	<a href="#">EntityRights</a>	Explicit deny rights (optional).
subject	String	Unique identifier of the directory entity or attribute.
type	EntityACLEntryType	The type of entity access right.

## 5.1.82 EntityACLEntryType

Object provides information on the entity access right type.

### Scheme

```
<xsi:simpleType name="EntityACLEntryType">
  <xsi:annotation>
    <xsi:documentation>Represents an entity ACL entry type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Directory"/>
    <xsi:enumeration value="Attribute"/>
  </xsi:restriction>
</xsi:simpleType>
```

### Parameters

Directory	enumerator	Directory entity.
Attribute	enumerator	An attribute.

## 5.1.83 EntityACLEntryUpdate

Object updates an entity access right.

### Scheme

```
<xsi:complexType name="EntityACLEntryUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating entity ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ExplicitAllowRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitDenyRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

### Parameters

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

## 5.1.84 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: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.
EntityACLEntryUpdate	<a href="#">EntityACLEntryUpdateRequestChoice</a>	Entity access right update (optional).
Reason	String	The reason for entity access right update (optional).

## 5.1.85 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).

## 5.1.86 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).

## 5.1.87 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: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.
Reason	String	The reason for entity access right read (optional).

## 5.1.88 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).

## 5.1.89 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:element name="Options" type="tns:AuditLogReadOptions" 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.
Options	<a href="#">AuditLogReadOptions</a>	Audit log options.

## 5.1.90 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="Handle" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Handle	String	Temporary identifier of the open entity.

## 5.1.91 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>
```

## 5.1.92 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="ChildClassificationCodeMode" type="tns:ChildClassificationCodeMode"
minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Significance" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Retention" type="tns:RetentionUpdate" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<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:element name="Object" type="tns:ObjectCreate" minOccurs="0"
maxOccurs="unbounded"/>
</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).
ChildClassificationCodeMode	<a href="#">ChildClassificationCodeMode</a>	Child classification code generation (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).
Category	String []	Categories 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).
Object	<a href="#">ObjectCreate</a> []	Entity object create (optional).

### 5.1.93 EntityCreateRequest

Object provides request to create the entity.

#### *Scheme*

```
<xsi:complexType name="EntityCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EntityCreate" type="tns:EntityCreate"/>
    <xsi:element name="Staged" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </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 creation.
Staged	Boolean	Specifies whether the entity will be opened in editing mode and not saved.
Reason	String	The reason for entity create (optional).

### 5.1.94 EntityCreateResponse

Object provides response to the entity create.

#### *Scheme*

```
<xsi:complexType name="EntityCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityCreate operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Entity" type="tns:Entity"/>
    <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

Entity	<a href="#">Entity</a>	Entity information.
Handle	String	Temporary identifier of the open entity.

## 5.1.95 EntityDeleteRequest

Object provides request to delete the entity.

### Scheme

```
<xsi:complexType name="EntityDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityDelete operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Reason" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	<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).
Version	int	Entity version (optional).

## 5.1.96 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>
```

## 5.1.97 EntityExportRequest

Object provides request to export the entity.

### Scheme

```
<xsi:complexType name="EntityExportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityExport operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Classes" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Documents" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Folders" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Recursive" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ExportParents" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<xsi:element name="AdditionalMetadata" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
<xsi: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.
Classes	boolean	Specifies whether the Class-type entities are exported (default value: true).
Documents	boolean	Specifies whether the Document-type entities are exported (default value: true).
Folders	boolean	Specifies whether the Folder-type entities are exported (default value: true).
AuditLog	boolean	Specifies whether the audit log of each entity is exported (default value: true).
Recursive	boolean	Specifies whether the child entities are exported (default value: true).
ExportParents	boolean	Specifies whether the parent entities are exported (default value: true).
Evidence	boolean	Specifies whether the entity authenticity and integrity proofs are exported (default value: true).
AdditionalMetadata	base64Binary	The dataset of additional metadata on export (XML).
Reason	String	The reason for entity export (optional).

## 5.1.98 EntityExportResponse

Object provides response to the entity export.

### Scheme

```

<xsi:complexType name="EntityExportResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityExport operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Output" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>

```

### Parameters

Output	base64Binary	The dataset of exported entities.
--------	--------------	-----------------------------------

## 5.1.99 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.
------	------------------------------	-------------------------

## 5.1.100 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.

## 5.1.101 EntityImportRequest

Object provides request to import the entity.

### Scheme

```
<xsi:complexType name="EntityImportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityImport 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="Data" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/zip"/>
    <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 parent entity.
Data	Base64Binary	Entity import information.
Reason	String	The reason for entity import (optional).

## 5.1.102 EntityImportResponse

Object provides response to the entity import.

### Scheme

```
<xsi:complexType name="EntityImportResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityImport operation response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

## 5.1.103 EntityMoveRequest

Object provides request to move the entity.

### Scheme

```
<xsi:complexType name="EntityMoveRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityMove operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ClassificationCode" type="xsi:string" 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).
ClassificationCode	String	The canonical form of the full classification code (optional).
Reason	String	The reason for entity move.

**5.1.104 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: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.
Reason	String	The reason for entity authenticity and integrity proofs read (optional).

**5.1.105 EntityNonrepudiationReadResponse**

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

*Scheme*

```
<xsi:complexType name="EntityNonrepudiationReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityNonrepudiationRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ArchivalInformationalPackage" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="EvidenceRecord" type="xsi:base64Binary" minOccurs="0"
maxOccurs="unbounded" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.106 EntityObjectCreateRequest**

Object provides request to create the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Object" type="tns:ObjectCreate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <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.
Object	<a href="#">ObjectCreate</a> []	Entity object create.
Version	int	Entity version (optional).
Reason	String	The reason for entity create (optional).

**5.1.107 EntityObjectCreateResponse**

Object provides response to the entity object create.

*Scheme*

```
<xsi:complexType name="EntityObjectCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.108 EntityObjectDeleteRequest**

Object provides request to delete the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectDelete operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
ObjectId	String	Unique identifier of the entity object.
Version	int	Entity version (optional).
Reason	String	The reason for entity delete (optional).

**5.1.109 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>
```

## 5.1.110 EntityObjectsReadRequest

Object provides request to read the entity objects.

### Scheme

```
<xsi:complexType name="EntityObjectsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectsRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Tree" type="tns:Tree" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <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.
Tree	<a href="#">Tree</a>	Specifies whether child objects are shown in a tree structure.
Version	int	Entity version (optional).
Reason	String	The reason for entity delete (optional).

## 5.1.111 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.
--------	-------------------------------	---

## 5.1.112 EntityObjectUpdateRequest

Object provides the request to update the entity object.

### Scheme

```
<xsi:complexType name="EntityObjectUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Object" type="tns:ObjectUpdate"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
Object	<a href="#">ObjectUpdate</a>	Object provides entity object update.
Version	int	Entity version (optional).
Reason	String	The reason for entity update (optional).

## 5.1.113 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.
--------	----------------------------	----------------------------

### 5.1.114 EntityObjectMoveRequest

Object provides information on request to move entity object to another entity.

#### Scheme

```
<xsi:complexType name="EntityObjectMoveRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectMove operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TargetId" type="tns:EntityId"/>
    <xsi:element name="TargetVersion" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TargetContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <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.
ObjectId	String	Unique identifier of the entity object.
TargetId	<a href="#">EntityId</a>	Unique identifier of the target entity.
Version	int	Entity version (optional).
TargetContainerId	String	Unique identifier of additional entity content object container of target entity (optional).
TargetVersion	int	Target entity version (optional).
Reason	String	The reason for entity object move (optional).

### 5.1.115 EntityObjectMoveResponse

Object provides response to move entity object to another entity.

#### Scheme

```
<xsi:complexType name="EntityObjectMoveResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectMove operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

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

## 5.1.116 EntityObjectCopyRequest

Object provides request to copy entity object to another entity.

### Scheme

```
<xsi:complexType name="EntityObjectCopyRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCopy operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TargetId" type="tns:EntityId"/>
    <xsi:element name="TargetVersion" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TargetContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <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.
ObjectId	String	Unique identifier of the entity object.
Description	String	A description of the entity object (optional).
Version	int	Entity version (optional).
TargetId	<a href="#">EntityId</a>	Unique identifier of the target entity.
TargetVersion	int	Target entity version (optional).
TargetContainerId	String	Unique identifier of additional entity content object container of target entity (optional).
Reason	String	The reason for entity object copy (optional).

## 5.1.117 EntityObjectCopyResponse

Object provides information on response to copy entity object to another entity.

### Scheme

```
<xsi:complexType name="EntityObjectCopyResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCopy operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.118 EntityObjectManageRequest**

Object provides information on request to manage the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectManageRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectManage operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="QueueForIndexing" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="QueueForConversion" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
ObjectId	String	Unique identifier of the entity object.
QueueForIndexing	Boolean	Queuing for later indexing (optional).
QueueForConversion	Boolean	Queuing for later conversion (optional).
Version	int	Entity version (optional).
Reason	String	The reason for entity object manage (optional).

**5.1.119 EntityObjectManageResponse**

Object provides information on response to manage the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectManageResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectManage operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.120 EntityObjectDetachRequest**

Object provides information on request to detach the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectDetachRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectDetach operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
ObjectId	String	Unique identifier of the entity object.
Version	int	Entity version (optional).
Reason	String	The reason for entity object detach (optional).

**5.1.121 EntityObjectDetachResponse**

Object provides information on response to detach the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectDetachResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectDetach operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

## 5.1.122 EntityObjectReadRequest

Object provides request to read the entity object.

### Scheme

```
<xsi:complexType name="EntityObjectReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectIndex" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
ObjectId	String	Unique identifier of the entity object. (optional).
ObjectIndex	Integer	Entity object index (optional).
Version	Integer	Entity version (optional).
Reason	String	The reason for entity object read (optional).

## 5.1.123 EntityObjectReadResponse

Object provides response to the entity object read.

### Scheme

```
<xsi:complexType name="EntityObjectReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.124 EntityOpenCreateRequest

Object provides information on request to open entity for creating.

### Scheme

```
<xsi:complexType name="EntityOpenCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityOpenCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="xsi:string"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
ParentId	<a href="#">EntityId</a>	Unique identifier of the parent entity (optional).
Template	String	Unique identifier of the template.
Reason	String	The reason for entity object create (optional).

## 5.1.125 EntityOpenRequest

Object provides request to open the entity.

### Scheme

```
<xsi:complexType name="EntityOpenRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="EditMode" type="xsi:boolean"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <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.
EditMode	Boolean	Specifies whether the entity is open in edit mode.
Version	Integer	Entity version (optional).

Template	String	New entity template (IMiS®/ARChive Server 9.9 or higher).
Reason	String	The reason for entity open (optional).

### 5.1.126 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.
----	--------------------------	----------------------------------

### 5.1.127 EntityReadRequest

Object provides request to read the entity.

#### *Scheme*

```
<xsi:complexType name="EntityReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
Version	Integer	Entity version (optional).
Reason	String	The reason for entity read (optional).

## 5.1.128 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.
--------	------------------------	---------------------

## 5.1.129 EntityReference

Object provides information on the entity reference.

### Scheme

```
<xsi:complexType name="EntityReference">
  <xsi:annotation>
    <xsi:documentation>Defines an entity reference type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entity" type="tns:EntityStub" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Created	DateTime	Date and time of the reference creation.
Creator	<a href="#">DirectoryEntityInfo</a>	The author of the reference.
Description	String	A description of the reference (optional).
Entity	<a href="#">EntityStub</a> []	Collection of entities in a reference.
EffectiveRights	<a href="#">EntityRights</a>	Effective rights of current user (optional).
Id	String	Unique identifier of the entity reference.
Title	String	The title of the reference (optional).

## 5.1.130 EntityReferenceCreateRequest

Object provides request to create entity reference.

### Scheme

```
<xsi:complexType name="EntityReferenceCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityReferenceCreate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entry" type="tns:EntityId" minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
Title	String	The title of the reference (optional).
Description	String	Reference description (optional).
Entry	<a href="#">EntityId</a> []	Unique identifiers of the entities.

## 5.1.131 EntityReferenceCreateResponse

Object provides response to the entity reference create.

### Scheme

```
<xsi:complexType name="EntityReferenceCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityReferenceCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Reference" type="tns:EntityReference"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Reference	<a href="#">EntityReference</a>	The reference of the entity.
-----------	---------------------------------	------------------------------

### 5.1.132 EntityReferenceDeleteRequest

Object provides request to delete the entity reference.

#### Scheme

```
<xsi:complexType name="EntityReferenceDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityReferenceDelete operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ReferenceId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

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

### 5.1.133 EntityReferenceDeleteResponse

Object provides response to the entity reference delete.

#### Scheme

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

### 5.1.134 EntityReferencesReadRequest

Object provides request to read the entity references.

#### Scheme

```
<xsi:complexType name="EntityReferencesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityReferencesRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ReferenceId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.135 EntityReferencesReadResponse**

Object provides response to the entity references read.

*Scheme*

```
<xsi:complexType name="EntityReferencesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityReferencesRead operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Reference" type="tns:EntityReference" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Reference	<a href="#">EntityReference</a> []	References.
-----------	------------------------------------	-------------

**5.1.136 EntityReferenceUpdateRequest**

Object provides the request to update the entity reference.

*Scheme*

```
<xsi:complexType name="EntityReferenceUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityReferenceUpdate operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ReferenceId" type="xsi:string"/>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entry" type="tns:EntityId" minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
ReferenceId	String	Unique identifier of the reference.
Title	String	The title of the reference (optional).
Description	String	Reference description (optional).
Entry	<a href="#">EntityId</a> []	Unique identifiers of the entities.

**5.1.137 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: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.
DispositionHold	<a href="#">RetentionDispositionHoldEntryUpdate</a> []	Entity disposition holds.
Reason	String	The reason for entity disposition hold create (optional).

## 5.1.138 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.
-----------------	--	--------------------------

## 5.1.139 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: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.
DispositionHoldId	String	Unique identifier of the entity disposition hold.
Reason	String	The reason for entity disposition hold delete (optional).

## 5.1.140 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>
```

## 5.1.141 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: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.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a> []	Entity retention policy update.
Reason	String	The reason for entity retention policy create (optional).

## 5.1.142 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.
-----------------	---	--------------------------

**5.1.143 EntityRetentionPolicyEntriesUpdateRequest**

Object provides request to change multiple entity retention policies.

*Scheme*

```
<xsi:complexType name="EntityRetentionPolicyEntriesUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntriesUpdate operation
    request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate" minOccurs="1"
    maxOccurs="unbounded"/>
    <xsi: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.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a> []	A Collection of retention policies.
Reason	String	The reason for entity retention policy update (optional).

**5.1.144 EntityRetentionPolicyEntriesUpdateResponse**

Object provides response to change multiple entity retention policies.

*Scheme*

```
<xsi:complexType name="EntityRetentionPolicyEntriesUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntriesUpdate operation
    response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntry" minOccurs="1"
    maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

RetentionPolicy	<a href="#">RetentionPolicyEntry</a> []	Collection of retention policies.
-----------------	---	-----------------------------------

## 5.1.145 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: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.
RetentionPolicyId	String	Unique identifier of the retention policy.
Reason	String	The reason for entity retention policy delete (optional).

## 5.1.146 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>
```

## 5.1.147 EntityRetentionPolicyEntryUpdateRequest

Object provides request to update the entity retention policy.

### Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntryUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntryUpdate 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: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.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a>	Entity retention policy update.
Reason	String	The reason for entity retention policy update (optional).

**5.1.148 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.
-----------------	--------------------------------------	---

**5.1.149 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="createReferences" 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:attribute name="delegateContext" type="xsi:boolean"/>
  <xsi:attribute name="enabledForSubtree" type="xsi:boolean"/>
  <xsi:attribute name="enabledForThis" 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.
createReferences	Boolean	The right to create references.
createSubEntities	Boolean	The right to create sub-entities.
changeSecurityClass	Boolean	The right to change entity security class.
changeStatus	Boolean	The right to change entity status.
changeRetention	Boolean	The right to change the entity retention policies and disposition holds.
delegateContext	Boolean	Specifies whether the access right applies to the user who will log in on behalf of a delegated user (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForSubtree	Boolean	Specifies whether the inheritance of access right on contained entities is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForThis	Boolean	Specifies whether the access right on the current entity is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.

**5.1.150 EntitySaveLogReadRequest**

Object provides request to read the entity save log.

*Scheme*

```
<xsi:complexType name="EntitySaveLogReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntitySaveLogRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi: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.
Reason	String	The reason for entity Save log read (optional).

**5.1.151 EntitySaveLogReadResponse**

Object provides response to the entity save log read.

*Scheme*

```
<xsi:complexType name="EntitySaveLogReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntitySaveLogRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SaveLog" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SaveLog	String []	A collection of save logs.
---------	-----------	----------------------------

**5.1.152 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).
--------	--	---

## 5.1.153 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).

## 5.1.154 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:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="MaxElements" type="xsi:unsignedInt" 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).
Sort	<a href="#">CollectionSort</a>	Sorting of entities (optional).
MaxElements	unsignedInt	Maximum number of search elements (optional).

## 5.1.155 EntitySearchResponse

Object provides response to the entity search.

### Scheme

```
<xsi:complexType name="EntitySearchResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntitySearch operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SearchHit" type="tns:EntitySearchHit" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Size" type="xsi:long"/>
    <xsi:element name="MaxElements" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Truncated" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Category	<a href="#">Category</a> []	The collection of the categories.
PageStart	unsignedInt	The beginning of the page.
PageSize	unsignedShort	The size of the page.
SearchHit	<a href="#">EntitySearchHit</a> []	The list of entities as search result (optional).
Size	Long	The number of all search results.
MaxElements	unsignedInt	Maximum number of search elements (optional).
Truncated	Boolean	Specifies whether the collection is truncated (optional).

## 5.1.156 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.

**5.1.157 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.
---------------	---	------------------------------------

**5.1.158 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).

## 5.1.159 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.
--------	---	----------------------------

## 5.1.160 EntityStub

Object provides public entity information.

### Scheme

```
<xsi:complexType name="EntityStub">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity stub</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PublicClassificationCode" type="xsi:string" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="Title" type="xsi:string"/>
    <xsi:element name="Type" type="tns:EntityType"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Permanent" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ChildCount" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="Owner" type="tns:DirectoryEntityInfo" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="tns:TemplateInfo" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Accessed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ModifiedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="Closed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Opened" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SecurityClass" type="tns:InheritedStringProperty" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="Significance" type="tns:InheritedStringProperty" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="Status" type="tns:InheritedStringProperty" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="Retention" type="tns:Retention" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SubEntityTemplate" type="tns:TemplateInfo" minOccurs="0"
  maxOccurs="unbounded"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="ChildClassificationCodeGenerated" type="xsi:boolean" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
```

```

<xsi:element name="EffectiveRights" type="tns:EntityRights" minOccurs="0"
maxOccurs="1"/>
<xsi:element name="Property" type="tns:Property" minOccurs="0" maxOccurs="unbounded"/>
<xsi:element name="AIP" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
<xsi:element name="HasReferences" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
<xsi:element name="VersionLabel" type="xsi:string" minOccurs="0" maxOccurs="1"/>
<xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
<xsi:element name="CheckInComment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
<xsi:element name="Draft" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
<xsi:element name="DraftCreator" type="xsi:string" minOccurs="0" maxOccurs="1"/>
<xsi:element name="HasVersions" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
<xsi:element name="HasDraft" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
<xsi:element name="DraftId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
</xsi:sequence>
<xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>

```

### 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).
ModifiedBy	<a href="#">DirectoryEntityInfo</a>	The user who last modified the entity.
Closed	DateTime	Date and time of the entity status update to Closed (optional).
Opened	DateTime	Date and time of the entity status update to Opened (optional).
SecurityClass	<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).
Category	String []	Categories of the entity (optional).
ExternalId	String []	External identifier of the entity.
ChildClassificationCodeMode	<a href="#">ClassClassificationMode</a>	Child classification code generation (optional).
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.
AIP	Boolean	Specifies whether the entity has authenticity and integrity proofs.
HasReferences	Boolean	Specifies whether the entity has references.
VersionLabel	String	The label of the version.
Version	int	Entity version.
CheckInComment	String	The comment of the entity version.
DraftCreator	<a href="#">DirectoryEntityInfo</a>	The author of the draft.
HasVersions	Boolean	Specifies whether the entity has versions.
HasDraft	Boolean	Specifies whether the entity has draft.
DraftId	String	The identifier if the draft

### 5.1.161 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:sequence>
    <xsi:element name="Field" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="all" type="xsi:boolean"/>
  <xsi:attribute name="properties" type="xsi:boolean"/>
  <xsi:attribute name="templates" type="xsi:boolean"/>
</xsi:complexType>
```

*Parameters*

Fields	String []	Defines the fields in the reply.
all	Boolean	Public entity information and included templates.
properties	Boolean	Public entity properties.
templates	Boolean	Templates to create sub entities.

**5.1.162 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.

**5.1.163 EntityStubReadRequest**

Object provides request to read public entity information.

*Scheme*

```
<xsi:complexType name="EntityStubReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityStubRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the entity.
Version	Integer	Entity version (optional).

**5.1.164 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.
------------	----------------------------	----------------------------

**5.1.165 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.

## 5.1.166 EntityUpdate

Object updates an entity.

### Scheme

```
<xsi:complexType name="EntityUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ChildClassificationCodeGenerated" type="xsi:boolean" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Significance" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
    <xsi:element name="Property" type="tns:PropertyUpdate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PhysicalProperties" type="tns:PhysicalPropertiesUpdate"
minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Title	String	The title of the entity (optional).
ChildClassificationCodeMode	<a href="#">ChildClassificationCodeMode</a>	Child classification code generation (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).
Category	String []	Categories of the entity (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity property (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties update.

## 5.1.167 EntityUpdateRequest

Object provides request to update the entity.

### Scheme

```
<xsi:complexType name="EntityUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="EntityUpdate" type="tns:EntityUpdate"/>
    <xsi:element name="Version" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi: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.
EntityUpdate	<a href="#">EntityUpdate</a>	Entity update information.
Version	Integer	Entity version (optional).
Reason	String	The reason for entity update (optional).

## 5.1.168 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.
--------	------------------------	----------------------------

## 5.1.169 EntityVersionsReadRequest

Object provides request to read entity versions.

### Scheme

```
<xsi:complexType name="EntityVersionsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityVersionsRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.170 EntityVersionsReadResponse

Object provides response to the entity versions read.

### Scheme

```
<xsi:complexType name="EntityVersionsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityVersionsRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Version" type="tns:EntityStub" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Version	<a href="#">EntityStub []</a>	The collection of entity versions.
---------	-------------------------------	------------------------------------

## 5.1.171 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.
-----------	---------	--

**5.1.172 InheritedStringPropertyUpdate**

Object updates the inherited “String” property type.

*Scheme*

```
<xsi:complexType name="InheritedStringPropertyUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating inherited string
    property</xsi:documentation>
  </xsi:annotation>
  <xsi:simpleContent>
    <xsi:extension base="xsi:string">
      <xsi:attribute name="inherited" type="xsi:boolean"/>
    </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

*Parameters*

inherited	Boolean	Property inherited value or its initial value.
-----------	---------	--

**5.1.173 ObjectCreate**

Object creates content object.

*Scheme*

```
<xsi:complexType name="ObjectCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Content" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
    xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
    xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

ContainerId	String	Unique identifier of the content container (optional).
Description	String	A description of the content (optional).
ContentType	String	The content type.
Content	base64Binary	The content (optional).

## 5.1.174 ObjectCreateRequest

Object provides request to create the entity object.

### Scheme

```
<xsi:complexType name="ObjectCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Content" type="xsi:base64Binary"
      xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
      xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Stage" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	Unique identifier of the session.
ContentType	String	The content type.
Content	base64Binary	The content.
Stage	String	Defines the storage profile (optional).
ExternalId	String	External content object identifier (optional).
Reason	String	The reason for object creation (optional).

## 5.1.175 ObjectCreateResponse

Object provides response to create the entity object.

### Scheme

```
<xsi:complexType name="ObjectCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectCreate operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:StagedObject"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Object	<a href="#">StagedObject</a>	Provides information on entity object properties.
--------	------------------------------	---

## 5.1.176 ObjectDeleteRequest

Object provides request to delete the entity object.

### Scheme

```
<xsi:complexType name="ObjectDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectDelete 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" 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 object.
Reason	String	The reason for entity object delete (optional).

## 5.1.177 ObjectDeleteResponse

Object provides response to delete the entity object.

### Scheme

```
<xsi:complexType name="ObjectDeleteResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectDelete operation response</xsi:documentation>
  </xsi:annotation>
</xsi:complexType>
```

## 5.1.178 ObjectItem

Object provides information on content object.

### Scheme

```
<xsi:complexType name="ObjectItem">
  <xsi:annotation>
    <xsi:documentation>Represents an object item</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:unsignedInt"/>
    <xsi:element name="ChildCount" type="xsi:long"/>
    <xsi:element name="Indexed" type="xsi:boolean"/>
    <xsi:element name="Signed" type="xsi:boolean"/>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Accessed" type="xsi:dateTime"/>
    <xsi:element name="Modified" type="xsi:dateTime"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Extension" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<xsi:element name="Content" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
<xsi:element name="Children" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
<xsi:element name="ParentId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
</xsi:sequence>
<xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>

```

### Parameters

ContainerId	String	Unique identifier of the content container (optional).
Description	String	A description of the content (optional).
Size	long	The content size (in bytes).
ChildCount	long	Number of child entities.
Indexed	boolean	Value that shows whether the physical content is indexed.
Signed	Boolean	Value that shows whether the physical content is electronically signed.
Created	dateTime	Date and time of the content creation.
Accessed	dateTime	Date and time of the content access.
Modified	dateTime	Date and time of the content update.
ContentType	String	The content type.
Extension	String	The extension of the content file (optional).
Content	base64Binary	The content (optional).
Children	<a href="#">ObjectItem</a> []	Collection of physical content.
ParentId	String	Unique identifier of the parent physical content (optional).
id	String	Unique identifier of the content.
EffectiveRights	<a href="#">PropertyRights</a>	Effective property rights (optional).

## 5.1.179 ObjectReadRequest

Object provides request to read the entity object.

### Schema

```

<xsi:complexType name="ObjectReadRequest">
<xsi:annotation>
<xsi:documentation>Represents a ObjectRead 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" 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 object.
Reason	String	The reason for entity object read (optional).

**5.1.180 ObjectReadResponse**

Object provides response to read the entity object.

*Schema*

```
<xsi:complexType name="ObjectReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:StagedObject"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Object	<a href="#">StagedObject</a>	Provides information on entity object properties.
--------	------------------------------	---

**5.1.181 ObjectTransfer**

Object transfers the content object.

*Schema*

```
<xsi:complexType name="ObjectTransfer">
  <xsi:annotation>
    <xsi:documentation>Defines a type for transferring object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="transferId" type="xsi:boolean"/>
</xsi:complexType>
```

*Parameters*

Id	string	The entity object identifier.
ContainerId	string	Unique identifier of additional entity content object container of target entity (optional).
Description	String	A description of the target entity object (optional).
transferId	Boolean	The identifier of the transferred entity object (optional).

## 5.1.182 ObjectUpdate

Object updates the content object.

### Scheme

```
<xsi:complexType name="ObjectUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Description" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Content" type="xsi:base64Binary" nillable="true" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
</xsi:complexType>
```

### Parameters

Description	String	A description of the content object (optional).
Content	base64Binary	The content (optional).
id	String	Unique identifier of the content object.

## 5.1.183 ObjectUpdateRequest

Object provides request to update the entity object.

### Schema

```
<xsi:complexType name="ObjectUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectUpdate 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="Content" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <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 object.
Content	base64Binary	The content (optional).
ExternalId	String	External identifier of the entity (optional).
Reason	String	The reason for entity object read (optional).

## 5.1.184 ObjectUpdateResponse

Object provides response to update the entity object.

*Schema*

```
<xsi:complexType name="ObjectUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectUpdate operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:StagedObject"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Object	<a href="#">StagedObject</a>	Provides information on entity object properties.
--------	------------------------------	---

## 5.1.185 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).

## 5.1.186 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).

## 5.1.187 Property

Object provides information on property.

### Scheme

```
<xsi:complexType name="Property">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a property</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Options" type="tns:PropertyOptions"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Type" type="tns:PropertyType"/>
    <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Inherited" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="BinaryValue" type="tns:BinaryValue" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="BooleanValue" 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:element name="DateValue" 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:element name="DateTimeValue" 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:element name="DecimalValue" 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:element name="DirectoryEntityValue" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:complexContent>
      <xsi:extension base="tns:DirectoryEntityInfo">
        <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:element name="DoubleValue" 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:attribute>
  </xsi:extension>
</xsi:simpleContent>
</xsi:complexType>
</xsi:element>
<xsi:element name="Int8Value" 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:element name="Int16Value" 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:element name="Int32Value" 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:element name="Int64Value" 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:element name="Int128Value" 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:element name="StringValue" 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:element name="TimeValue" 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:element name="UInt8Value" 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:element name="UInt16Value" 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:element name="UInt32Value" 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:element name="UInt64Value" 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:annotation>
        </xsi:attribute>
        </xsi:extension>
        </xsi:simpleContent>
    </xsi:complexType>
</xsi:element>
<xsi:element name="UInt128Value" 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: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.
Inherited	Boolean	Specifies whether the value is inherited.
BinaryValue	BinaryValue []	Binary value.
BooleanValue	Boolean []	Boolean value.
DateValue	date []	Date value.
DateTimeValue	dateTime []	Date and time value.
DecimalValue	decimal []	Decimal value.
DirectoryEntityValue	<a href="#">DirectoryEntityInfo</a> []	Directory entity value.
DoubleValue	double []	Double value.
Int8Value	byte []	8-bit integer value.
Int16Value	short []	16-bit integer value.
Int32Value	int []	32-bit integer value.
Int64Value	long []	64-bit integer value.
Int128Value	integer []	128-bit integer value.
StringValue	string []	Set of values.

TimeValue	time []	Time value.
UInt8Value	short []	8-bit unsigned integer value.
UInt16Value	int []	16-bit unsigned integer value.
UInt32Value	long []	32-bit unsigned integer value.
UInt64Value	integer []	64-bit unsigned integer value.
UInt128Value	integer []	128-bit unsigned integer value.

### 5.1.188 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.

### 5.1.189 PropertyACLCreate

Object creates the entity property access right.

#### *Scheme*

```
<xsi:complexType name="PropertyACLCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating property ACL</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="PropertyACLEntry" type="tns:PropertyACLEntryUpdate" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="propertyId" type="xsi:string"/>
</xsi:complexType>
```

#### *Parameters*

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

## 5.1.190 PropertyACLEntry

Object provides information on directory entity property access right.

### Scheme

```
<xsi:complexType name="PropertyACLEntry">
  <xsi:annotation>
    <xsi:documentation>Represents a property ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Subject" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DirectoryEntityInfo" type="tns:DirectoryEntity" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="InheritedAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="InheritedDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="type" type="tna:EntityACLEntryType"/>
</xsi:complexType>
```

### Parameters

Subject	String	Unique identifier of the directory entity or attribute.
DirectoryEntityInfo	<a href="#">DirectoryEntityInfo</a>	Directory entity information (optional).
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).
id	String	Unique identifier of the access right.
type	<a href="#">EntityACLEntryType</a>	The type of the access right.

## 5.1.191 PropertyACLEntryCreate

Object creates the directory entity property access right.

### Scheme

```
<xsi:complexType name="PropertyACLEntryCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating property ACL entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ExplicitAllowRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExplicitDenyRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="subject" type="xsi:string"/>
  <xsi:attribute name="type" type="tns:EntityACLEntryType"/>
</xsi:complexType>
```

### Parameters

ExplicitAllowRights	<a href="#">PropertyRights</a>	Explicit allow right (optional).
ExplicitDenyRights	<a href="#">PropertyRights</a>	Explicit deny right (optional).
subject	String	Unique identifier of the directory entity or attribute.
type	<a href="#">EntityACLEntryType</a>	The type of the access right.

## 5.1.192 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).
Id	String	Unique identifier of the access right.

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

## 5.1.194 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="fullTextIndexed" type="xsi:boolean"/>
  <xsi:attribute name="includedInAIP" type="xsi:boolean"/>
  <xsi:attribute name="inherited" type="xsi:boolean"/>
  <xsi:attribute name="multiValue" type="xsi:boolean"/>
  <xsi:attribute name="pickList" type="xsi:boolean"/>
  <xsi:attribute name="public" type="xsi:boolean"/>
  <xsi:attribute name="readOnly" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCheckIn" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCreate" type="xsi:boolean"/>
  <xsi:attribute name="required" type="xsi:boolean"/>
  <xsi:attribute name="searchable" type="xsi:boolean"/>
  <xsi:attribute name="unique" type="xsi:boolean"/>
  <xsi:attribute name="versionable" type="xsi:boolean"/>
</xsi:complexType>
```

### Parameters

appendOnly	Boolean	Entity property value can append only.
fullTextIndexed	Boolean	Specifies whether the attribute is full text indexed.
includedInAIP	Boolean	Entity property value is included in archival information package (AIP).

inherited	Boolean	Entity property value is inherited.
multiValued	Boolean	Entity property can have more than one value.
pickList	Boolean	Entity property has predefined values.
public	Boolean	Entity property is public.
readOnly	Boolean	Entity property is read only.
readOnlyAfterCheckIn	Boolean	Entity property is read only after new version creation.
readOnlyAfterCreate	Boolean	Entity property is read only after entity creation.
required	Boolean	Entity property is required.
searchable	Boolean	Entity property value can be searched.
unique	Boolean	Entity property value is unique.
versionable	Boolean	Entity property is versionable.

### 5.1.195 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:attribute name="delegateContext" type="xsi:boolean"/>
  <xsi:attribute name="enabledForSubtree" type="xsi:boolean"/>
  <xsi:attribute name="enabledForThis" 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.
delegateContext	Boolean	Specifies whether the access right applies to the user who will log in on behalf of a delegated user (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForSubtree	Boolean	Specifies whether the inheritance of access right on contained entities is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForThis	Boolean	Specifies whether the access right on the current entity is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.

## 5.1.196 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

## 5.1.197 PropertyUpdate

Object updates a property.

### *Scheme*

```
<xsi:complexType name="PropertyUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating property</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="BinaryValue" type="tns:BinaryValue" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="BooleanValue" type="xsi:boolean" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="DateValue" type="xsi:date" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="DateTimeValue" type="xsi:dateTime" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="DecimalValue" type="xsi:decimal" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="DirectoryEntityValue" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="DoubleValue" type="xsi:double" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Int8Value" type="xsi:byte" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Int16Value" type="xsi:short" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Int32Value" type="xsi:int" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Int64Value" type="xsi:long" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Int128Value" type="xsi:integer" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="StringValue" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="TimeValue" type="xsi:time" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="UInt8Value" type="xsi:short" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="UInt16Value" type="xsi:int" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="UInt32Value" type="xsi:long" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="UInt64Value" type="xsi:integer" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="UInt128Value" type="xsi:integer" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="inherited" type="xsi:boolean"/>
</xsi:complexType>
```

### *Parameters*

id	string	Unique identifier of the entity property.
Inherited	Boolean	Specifies whether the value is inherited.
BinaryValue	<a href="#">BinaryValue</a> []	Binary value.
BooleanValue	Boolean []	Boolean value.
DateValue	date []	Date value.

DateTimeValue	dateTime []	Date and time value.
DecimalValue	decimal []	Decimal value.
DirectoryEntityValue	string []	Unique identifier of the directory entity.
DoubleValue	double []	Double value.
Int8Value	byte []	8-bit integer value.
Int16Value	short []	16-bit integer value.
Int32Value	int []	32-bit integer value.
Int64Value	long []	64-bit integer value.
Int128Value	integer []	128-bit integer value.
StringValue	string []	Set of values.
TimeValue	time []	Time value.
UInt8Value	short []	8-bit unsigned integer value.
UInt16Value	int []	16-bit unsigned integer value.
UInt32Value	long []	32-bit unsigned integer value.
UInt64Value	integer []	64-bit unsigned integer value.
UInt128Value	integer []	128-bit unsigned integer value.

## 5.1.198 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).

## 5.1.199 RetentionDispositionHoldEntry

Object provides information on entity disposition hold.

### *Scheme*

```
<xsi:complexType name="RetentionDispositionHoldEntry">
  <xsi:annotation>
    <xsi:documentation>Represents a retention disposition hold entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="Inherited" type="xsi:boolean"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

### *Parameters*

Name	String	The unique name of the entity disposition hold.
Description	String	A description of the disposition hold.
Inherited	Boolean	Specifies whether the disposition hold is inherited.
id	String	Unique identifier of the entity disposition hold.

## 5.1.200 RetentionDispositionHoldEntryUpdate

Object updates an entity disposition hold.

### *Scheme*

```
<xsi:complexType name="RetentionDispositionHoldEntryUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating retention disposition hold
    entry</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="name" type="xsi:string"/>
</xsi:complexType>
```

### *Parameters*

id	String	Unique identifier of the entity disposition hold.
name	String	Unique name of the disposition hold (optional).

### 5.1.201 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).

### 5.1.202 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).
-----------------	------------------------------------	-------------------------------------

## 5.1.203 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="tns:DirectoryEntityInfo"/>
    <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:element name="Mandates" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
  </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	<a href="#">DirectoryEntityInfo</a>	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.
Mandates	<a href="#">ObjectItem</a> []	The information on retention policy mandate (optional).
id	String	Unique identifier of the retention policy.

## 5.1.204 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.

## 5.1.205 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.

## 5.1.206 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.

## 5.1.207 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	The retention policy applies to class-type entities.
folders	Boolean	The retention policy applies to folder-type entities.
documents	Boolean	The retention policy applies to document-type entities.

## 5.1.208 RetentionPolicyEntryScopeType

Object provides information on entity retention policy scope type.

### Scheme

```
<xsi:simpleType name="RetentionPolicyEntryScopeType">
  <xsi:annotation>
    <xsi:documentation>Represents a retention policy entry scope type
  enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Allow"/>
    <xsi:enumeration value="Deny"/>
  </xsi:restriction>
</xsi:simpleType>
```

### Parameters

Allow	Allowed.
Deny	Denied.

## 5.1.209 RetentionPolicyEntryUpdate

Object updates the retention policy.

### Scheme

```
<xsi:complexType name="RetentionPolicyEntryUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating retention policy
  entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Filter" type="tns:RetentionPolicyEntryFilter" minOccurs="0"
  maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="scope" type="tns:RetentionPolicyEntryScopeType"/>
  <xsi:attribute name="id" type="xsi:string"/>
  <xsi:attribute name="name" type="xsi:string"/>
</xsi:complexType>
```

### Parameters

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

### 5.1.210 RetentionPolicyObjectsReadRequest

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

#### *Scheme*

```
<xsi:complexType name="RetentionPolicyObjectsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an RetentionPolicyObjectsRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Object" type="tns:ObjectId" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the retention policy.
Object	String	Unique identifiers of the object (optional).

### 5.1.211 RetentionPolicyObjectsReadResponse

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

#### *Scheme*

```
<xsi:complexType name="RetentionPolicyObjectsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an RetentionPolicyObjectsRead operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

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

## 5.1.212 RetentionUpdate

Object updates an entity retention policy and disposition hold.

### Scheme

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

### Parameters

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

## 5.1.213 Review

Object provides information on the review. The object has been derived from the [ReviewStub](#).

### Scheme

```
<xsi:complexType name="Review">
  <xsi:annotation>
    <xsi:documentation>Defines a review type</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:ReviewStub">
      <xsi:sequence>
        <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Comments" type="xsi:string" minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Documents" type="tns:EntityStub" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="Item" type="tns:ReviewItemEntry" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="Members" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="QueryExpression" type="xsi:string" minOccurs="0"
maxOccurs="1"/>
        <xsi:element name="RetentionPolicy" type="tns:RetentionPolicy" minOccurs="0"
maxOccurs="unbounded"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

*Parameters*

Action	String	The action on the review.
Comments	String	The comments in the review (optional).
Documents	<a href="#">EntityStub</a> []	The documents of the review.
Item	<a href="#">ReviewItemEntry</a> []	The pages of the review.
Members	String []	The members of the review.
QueryExpression	String	Query expression.
RetentionPolicy	<a href="#">RetentionPolicy</a> []	The retention policies of the review.

**5.1.214 ReviewAuditLogReadRequest**

Object provides request to read the review audit log.

*Scheme*

```
<xsi:complexType name="ReviewAuditLogReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewAuditLogRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

**5.1.215 ReviewCreate**

Object provides information on the review creation.

*Scheme*

```
<xsi:complexType name="ReviewCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a review update type</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:sequence>
      <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
      <xsi:element name="Comments" type="xsi:string" minOccurs="0" maxOccurs="1"/>
      <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
      <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
      <xsi:element name="Members" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
      <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
      <xsi:element name="Status" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
      <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
      <xsi:element name="ScopeId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
      <xsi:element name="QueryExpression" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    </xsi:sequence>
  </xsi:complexContent>
</xsi:complexType>
```

```

<xsi:element name="RetentionPolicy" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
</xsi:sequence>
</xsi:complexContent>
</xsi:complexType>

```

### Parameters

Action	String	The action on the review.
Comments	String	The comments in the review (optional).
Description	String	The comments in the review (optional).
Keyword	String []	The keywords of the review (optional).
Members	String []	The members of the review (optional).
Owner	String	The owner of the review (optional).
Status	<a href="#">InheritedStringPropertyUpdate</a>	The status of the review (optional).
Title	String	The title of the review (optional).
Scopeld	EntityId	Entity identifier (optional).
QueryExpression	String	The query expression (optional; if RetentionPolicy is present, this field must not be sent).
RetentionPolicy	String []	Collection of retention policies identifiers (optional; if QueryExpression is present, this field must not be sent).

## 5.1.216 ReviewCreateRequest

Object provides request to create review.

### Scheme

```

<xsi:complexType name="ReviewCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Review" type="tns:ReviewCreate"/>
    <xsi:element name="Staged" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>

```

*Parameters*

SessionToken	String	Unique identifier of the session.
Review	<a href="#">ReviewCreate</a>	The review.
Staged	Boolean	Specifies whether the entity will be opened in editing mode and not saved.
Reason	String	The reason for review creation (optional).

**5.1.217 ReviewEntityStub**

Object provides information on the entity at the review page.

*Scheme*

```
<xsi:complexType name="ReviewEntityStub">
  <xsi:annotation>
    <xsi:documentation>Defines a review entity stub type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TransferId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Transferred" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Type" type="tns:EntityType" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Action	String	The action on the entity (optional).
Comment	String	The comment of the review (optional).
ClassificationCode	String	The classification code of the entity (optional).
Id	String	The identifier of the entity (optional).
Reason	String	The reason for the action (optional).
Title	String	The title of the entity (optional).
TransferId	String	The identifier of the transferred entity (optional).
Transferred	Boolean	Specifies whether the entity was transferred (optional).
Type	<a href="#">EntityType</a>	The type of the entity (optional).

## 5.1.218 ReviewOpenRequest

Object provides request to open the review.

### Scheme

```
<xsi:complexType name="ReviewOpenRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="EditMode" type="xsi:boolean"/>
    <xsi:element name="Reason" 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 review.
EditMode	Boolean	Specifies whether the review is open in edit mode.
Reason	String	The reason for review open (optional).

## 5.1.219 ReviewItem

Object provides information on the review page.

### Scheme

```
<xsi:complexType name="ReviewItem">
  <xsi:annotation>
    <xsi:documentation>Defines a review item type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Accessed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entity" type="tns:ReviewEntityStub" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Accessed	dateTime	Date and time of the review access.
Action	String []	The actions on the review page.
Created	dateTime	Date and time of the review creation.
Entity	<a href="#">ReviewEntityStub</a> []	The collection of entities of the review page.

Id	String	The identifier of the review page.
Modified	dateTime	Date and time of the review modification.
Title	String	The title of the review.

## 5.1.220 ReviewItemEntityUpdate

Object updates an entity of the review page.

### *Scheme*

```
<xsi:complexType name="ReviewItemEntityUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a review item update type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="TransferId" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Transferred" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

Action	String	The action on the entity (optional).
Comment	String	The comment of the review (optional).
Id	String	The identifier of the entity (optional).
Reason	String	The reason for the action (optional).
TransferId	String	The identifier of the transferred entity (optional).
Transferred	Boolean	Specifies whether the entity was transferred (optional).

### 5.1.221 ReviewItemEntry

Object provides information on the review page.

#### *Scheme*

```
<xsi:complexType name="ReviewItemEntry">
  <xsi:annotation>
    <xsi:documentation>Defines a review item entry type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Accessed" type="xsi:dateTime"/>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Modified" type="xsi:dateTime"/>
    <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

Accessed	dateTime	Date and time of the review access.
Created	dateTime	Date and time of the review creation.
Id	String	The identifier of the page.
Modified	dateTime	Date and time of the review modification.
Title	String	The title of the review page.

### 5.1.222 ReviewItemReadRequest

Object provides request to read the review page.

#### *Scheme*

```
<xsi:complexType name="ReviewItemReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ItemId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	Unique identifier of the session.
Id	<a href="#">EntityId</a>	Unique identifier of the review.
ItemId	String	The identifier of the page review.
Reason	String	The reason for review page read (optional).

### 5.1.223 ReviewItemReadResponse

Object provides response to the review page read.

#### Scheme

```
<xsi:complexType name="ReviewItemReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Item" type="tns:ReviewItem"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

Item	<a href="#">ReviewItem</a>	Review page.
------	----------------------------	--------------

### 5.1.224 ReviewItemUpdateRequest

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

#### Scheme

```
<xsi:complexType name="ReviewItemUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ItemId" type="xsi:string"/>
    <xsi:element name="Entity" type="tns:ReviewItemEntityUpdate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi: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 review.
ItemId	String	The identifier of the page review.
Entity	<a href="#">ReviewItemEntityUpdate []</a>	The collection of review entities.
Reason	String	The reason for review page update (optional).

## 5.1.225 ReviewReadRequest

Object provides request to read the review.

### Scheme

```
<xsi:complexType name="ReviewReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi: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 review.
Reason	String	The reason for review read (optional).

## 5.1.226 ReviewReadResponse

Object provides response to the review read.

### Scheme

```
<xsi:complexType name="ReviewReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Review" type="tns:Review"/>
    <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Review	Review	The review.
Handle	String	Temporary identifier of the open review (optional).

## 5.1.227 ReviewsReadResponse

Object provides response to the reviews read.

### Scheme

```
<xsi:complexType name="ReviewsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ReviewsRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Category" type="tns:Category" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Review" type="tns:ReviewStub" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Category	<a href="#">Category</a> []	The collection of the categories.
Review	<a href="#">ReviewStub</a>	The collection of the reviews (optional).
PageStart	unsignedInt	The beginning of the review page (optional).
PageSize	unsignedShort	The review page size (optional).
Size	long	The size of the review.

## 5.1.228 ReviewStub

Object provides public information on the review.

### Schema

```
<xsi:complexType name="ReviewStub">
  <xsi:annotation>
    <xsi:documentation>Defines a review stub type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Accessed" type="xsi:dateTime"/>
    <xsi:element name="AIP" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Closed" type="xsi:dateTime"/>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Message" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Modified" type="xsi:dateTime"/>
    <xsi:element name="ModifiedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Opened" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Owner" type="tns:DirectoryEntityInfo" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="State" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Status" type="tns:InheritedStringProperty" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Title" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Accessed	dateTime	Date and time of the access.
AIP	boolean	Specifies whether authenticity and integrity proofs exist.
Closed	dateTime	Date and time of the entity status change to »Closed« (optional).
Created	dateTime	Date and time of the review creation.
Creator	<a href="#">DirectoryEntityInfo</a>	The author of the review.
Description	string	The description of the review (optional).
Id	string	The identifier of the review.
Keyword	string []	The keywords of the review (optional).
Message	string	The review message.
Modified	dateTime	Date and time of the review modification.
ModifiedBy	<a href="#">DirectoryEntityInfo</a>	The directory entity who last modified the review.
Opened	dateTime	Date and time of the review open.
Owner	<a href="#">DirectoryEntityInfo</a>	The owner of the review.
State	string	The review state.
Status	<a href="#">InheritedStringProperty</a>	The status of the review.
Title	string	The title of the review.

**5.1.229 ReviewStubReadRequest**

Object provides request to read the review public information.

*Scheme*

```
<xsi:complexType name="ReviewStubReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewStubRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

### 5.1.230 ReviewStubReadResponse

Object provides response to the review public information read.

#### *Scheme*

```
<xsi:complexType name="ReviewStubReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewStubRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ReviewStub" type="tns:ReviewStub"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

ReviewStub	<a href="#">ReviewStub</a>	The review public information.
------------	----------------------------	--------------------------------

### 5.1.231 ReviewTemplateReadRequest

Object provides request to read the review template.

#### *Scheme*

```
<xsi:complexType name="ReviewTemplateReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewTemplateRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	Unique identifier of the session.
Id	String	Unique identifier of the review.

### 5.1.232 ReviewTemplateReadResponse

Object provides response to the review template read.

#### *Scheme*

```
<xsi:complexType name="ReviewTemplateReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewTemplateRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Template" type="tns:Template"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.233 ReviewTransferRequest**

Object provides request to transfer entities of the review.

*Schema*

```
<xsi:complexType name="ReviewTransferRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewTransfer operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AdditionalMetadata" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Reason" 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 review.
AuditLog	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
Evidence	Boolean	Specifies whether the authenticity and integrity proofs are exported for each entity (default value: true).
AdditionalMetadata	base64Binary	The dataset of additional metadata on transfer (XML).
Reason	String	The reason for review transfer (optional).

**5.1.234 ReviewUpdate**

Object updates a review.

*Scheme*

```
<xsi:complexType name="ReviewUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a review update type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Action" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Comments" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ConfirmTransfer" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Members" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<xsi:element name="Status" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
<xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
</xsi:sequence>
</xsi:complexType>

```

### Parameters

Action	String	The review action.
Comments	String	The comment of the review (optional).
ConfirmTransfer	base64Binary	The transfer confirmation (optional).
Description	String	The description of the review (optional).
Keyword	String []	The keywords of the review (optional).
Members	String []	The members of the review (optional).
Owner	String	The owner of the review (optional).
Status	<a href="#">InheritedStringPropertyUpdate</a>	The status of the review (optional).
Title	String	The title of the review (optional).

## 5.1.235 ReviewUpdateRequest

Object provides request to update the review.

### Scheme

```

<xsi:complexType name="ReviewUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Review" type="tns:ReviewUpdate"/>
    <xsi: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 review.
Review	<a href="#">ReviewUpdate</a>	The review.
Reason	String	The reason for review update (optional).

### 5.1.236 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.
--------------	--------	-----------------------------------

### 5.1.237 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>
```

### 5.1.238 SessionOpenRequest

Object provides request to open the session.

#### *Scheme*

```
<xsi:complexType name="SessionOpenRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an SessionOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ArchiveId" type="xsi:string"/>
    <xsi:element name="Authentication" type="tns:Authentication"/>
    <xsi:element name="ComputerName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ApplicationName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ApiVersion" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Impersonate" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

ArchiveId	String	Unique identifier of the archive.
Authentications	<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).
Impersonate	String	The username of the user being impersonated (optional).

**5.1.239 SortOrderType**

Object provides the sort direction of the collection.

*Scheme*

```
<xsi:simpleType name="EntityStubSortOrderType">
  <xsi:annotation>
    <xsi:documentation>Represents an entity stub sort key type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Ascending"/>
    <xsi:enumeration value="Descending"/>
  </xsi:restriction>
</xsi:simpleType>
```

*Parameters*

Ascending	Ascending sort order.
Descending	Descending sort order.

**5.1.240 SessionOpenResponse**

Object provides response to the session open.

*Scheme*

```
<xsi:complexType name="SessionOpenResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an SessionOpen operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ApiVersion" type="xsi:int"/>
    <xsi:element name="ServiceName" type="xsi:string"/>
    <xsi:element name="ServiceVersion" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	Unique identifier of the session.
ApiVersion	int	API version.
ServiceName	String	The name of the archive service.
ServiceVersion	Long	Version of the archive service.

**5.1.241 StagedObject**

Object provides information on entity object.

*Scheme*

```
<xsi:complexType name="StagedObject">
  <xsi:annotation>
    <xsi:documentation>Defines a staged object type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Size" type="xsi:long"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Extension" type="xsi:string 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=
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Id	string	Unique identifier of the entity object.
Size	long	The content object size (in bytes).
ContentType	string	Content object type.
Extension	string	Extension of the content object file.
Content	base64Binary	The content of the entity (optional).

**5.1.242 SystemProperties**

Object provides information on system metadata.

*Scheme*

```
<xsi:complexType name="SystemProperties">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a system properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Title" type="tns:Property"/>
    <xsi:element name="Description" type="tns:Property"/>
    <xsi:element name="Keywords" type="tns:Property"/>
    <xsi:element name="Status" type="tns:Property"/>
    <xsi:element name="SecurityClass" type="tns:Property"/>
    <xsi:element name="Owner" type="tns:Property"/>
    <xsi:element name="ExternalIds" type="tns:Property"/>
    <xsi:element name="Opened" type="tns:Property"/>
    <xsi:element name="Closed" type="tns:Property"/>
    <xsi:element name="Creator" type="tns:Property"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<xsi:element name="Significance" type="tns:Property"/>
<xsi:element name="ModifiedBy" type="tns:Property" minOccurs="0" maxOccurs="1"/>
<xsi:element name="PhysicalProperties" type="tns:TemplatePhysicalProperties"
minOccurs="0" maxOccurs="1"/>
<xsi:element name="EmailProperties" type="tns:TemplateEmailProperties" minOccurs="0"
maxOccurs="1"/>
</xsi:sequence>
</xsi:complexType>

```

### Parameters

Title	<a href="#">Property</a>	The title of the entity.
Description	<a href="#">Property</a>	A description of the entity.
Keywords	<a href="#">Property</a>	Keywords of the entity.
Status	<a href="#">Property</a>	The status of the entity.
SecurityClass	<a href="#">Property</a>	The security class of the entity.
Owner	<a href="#">Property</a>	The custodian of the entity.
ExternalIds	<a href="#">Property</a>	External identifiers.
Opened	<a href="#">Property</a>	Date of open.
Closed	<a href="#">Property</a>	Date of close.
Creator	<a href="#">Property</a>	The author of the entity.
Significance	<a href="#">Property</a>	The significance of the entity.
ModifiedBy	<a href="#">Property</a>	The user who last modified the entity.
PhysicalProperties	<a href="#">TemplatePhysicalProperties</a>	Physical properties.
EmailProperties	<a href="#">TemplateEmailProperties</a>	Email properties.

## 5.1.243 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="Label" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EntityType" type="tns:EntityType"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="EntityCount" type="xsi:unsignedInt"/>
    <xsi:element name="PhysicalProperties" type="xsi:boolean"/>
    <xsi:element name="EmailProperties" type="xsi:boolean"/>
    <xsi:element name="Versionable" type="xsi:boolean"/>
    <xsi:element name="StatusValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="SecurityClassValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="SignificanceValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PhysicalPropertyStatusValues" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="SystemProperties" type="tns: SystemProperties"/>
  </xsi:sequence>
</xsi:complexType>

```

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

### Parameters

Label	String	The label of the template.
EntityType	EntityType	Entity type.
Description	String	A description of the template.
EntityCount	unsignedInt	The number of entities where template is used.
PhysicalProperties	Boolean	Provides information on physical properties.
EmailProperties	Boolean	Provides information on email properties.
Versionable	Boolean	Specifies whether the template is versionable.
StatusValues	String[]	The set of status values.
SecurityClassValues	String[]	The set of security class values.
SignificanceValues	String[]	The set of significance values.
PhysicalPropertyStatusValues	String[]	The set of physical property status values.
Property	<a href="#">Property</a> []	The set of template-related metadata.
id	String	Unique identifier of the template.
SystemProperties	<a href="#">SystemProperties</a>	System metadata.

## 5.1.244 TemplateEmailProperties

Object provides information on email system metadata.

### Scheme

```
<xsi:complexType name="TemplateEmailProperties">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a template email
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Subject" type="tns:Property"/>
    <xsi:element name="From" type="tns:Property"/>
    <xsi:element name="To" type="tns:Property"/>
    <xsi:element name="CC" type="tns:Property"/>
    <xsi:element name="BCC" type="tns:Property"/>
    <xsi:element name="Date" type="tns:Property"/>
    <xsi:element name="MessageId" type="tns:Property"/>
    <xsi:element name="Priority" type="tns:Property"/>
    <xsi:element name="Signed" type="tns:Property"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

Subject	<a href="#">Property</a>	Email subject.
From	<a href="#">Property</a>	Email address of the sender.
To	<a href="#">Property</a>	Email addresses of the recipients.
CC	<a href="#">Property</a>	Email addresses of the carbon copy recipients.
BCC	<a href="#">Property</a>	Email addresses of the hidden recipients.
Date	<a href="#">Property</a>	Date and time of email.
MessageId	<a href="#">Property</a>	Email identifier.
Priority	<a href="#">Property</a>	Email significance.
Signed	<a href="#">Property</a>	Property that shows whether an email is electronically signed.

**5.1.245 TemplateInfo**

Object provides information on the template.

*Scheme*

```
<xsi:complexType name="TemplateInfo">
  <xsi:annotation>
    <xsi:documentation>Represents a template info</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Label" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EntityType" type="tns:EntityType"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

Label	String	The label of the template.
EntityType	<a href="#">EntityType</a>	The entity type.
id	String	Unique identifier of the template.

**5.1.246 TemplatePhysicalProperties**

Object provides information on system metadata of physical properties.

*Scheme*

```
<xsi:complexType name="TemplatePhysicalProperties">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a template physical
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="tns:Property"/>
    <xsi:element name="Description" type="tns:Property"/>
    <xsi:element name="Status" type="tns:Property"/>
    <xsi:element name="StatusChange" type="tns:Property"/>
  </xsi:sequence>
</xsi:complexType>
```

```

<xsi:element name="HomeLocation" type="tns:Property"/>
<xsi:element name="CurrentLocation" type="tns:Property"/>
<xsi:element name="Custodian" type="tns:Property"/>
<xsi:element name="ReturnDue" type="tns:Property"/>
</xsi:sequence>
<xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>

```

### Parameters

Id	<a href="#">Property</a>	The physical properties identifier.
Description	<a href="#">Property</a>	A description of physical properties.
Status	<a href="#">Property</a>	The status of physical properties.
StatusChange	<a href="#">Property</a>	Date and time of archive status change.
HomeLocation	<a href="#">Property</a>	The home location of the content.
CurrentLocation	<a href="#">Property</a>	The current location of the content.
Custodian	<a href="#">Property</a>	The custodian of the content.
ReturnDue	<a href="#">Property</a>	The return date of the content.

## 5.1.247 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).

## 5.1.248 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 Start page

IMiS®/Storage Connector Services SOAP enables integrating IMiS®/ARChive Server with applications via the SOAP protocol. An example of the start page is given below based on <https://apps.imis.eu/StorageConnectorServicesSoap/>.

**IMIS/StorageConnector Services SOAP**

The IMIS®/StorageConnector Services SOAP lets you integrate IMIS®/ARChive Server with your application using SOAP protocol.

**Service definition**

**Archives**

<b>iarc96.imis.si</b> Id IARC96 Name iarc96.imis.si Host iarc96.imis.si:16807
<b>iarc971</b> Id IARC97 Name iarc971 Host iarc971.imis.si:16807
<b>iarc98.imis.si</b> Id IARC98 Name iarc98.imis.si Host iarc98.imis.si:16807
<b>dev-jure1</b> Id IARC11 Name dev-jure1 Host dev-jure1.imis.si:16807

**More Information**

Imaging Systems Inc.  
 +386 39 070 000  
 info@imis.eu

IMIS®/StorageConnector Services SOAP v9.1.1712.101

Image 1: Start page of SOAP interface

## 5.3 Web.xml configuration

An example of web.xml configuration is given below.

### *Scheme*

```
<web-app>
  <!-- Configuration path -->
  <context-param>
    <param-name>com.imis.storageconnector.services.config</param-name>
    <param-value>C:/scsvc/configuration/config.xml</param-value>
  </context-param>
</web-app>
```

### *Parameters*

com.imis.storageconnector.services.config	String	The path to the configuration file (optional): Default value: "/WEB-INF/config/config.xml").
---	--------	---

## 5.4 Archives

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.

Operation with the archive is described below.

### 5.4.1.1 Archives read

Operation reads archive servers on which a session can be opened.

#### Request

See chapter [ArchivesReadRequest](#)

#### Response

See chapter [ArchivesReadResponse](#)

### **Example**

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
```

```
<soapenv:Body>
  <ser:ArchivesReadRequest/>
</soapenv:Body>
</soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ArchivesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Archive id="IARC01">
        <Name>IMiS/ARChive Server 01</Name>
        <Description>The archiving of unlimited quantities of binary
objects.</Description>
        <Host>iarc01.imis.si:16807</Host>
      </Archive>
      <Archive id="IARC">
        <Name>IMiS/ARChive Server</Name>
        <Description>The archiving of unlimited quantities of binary
objects.</Description>
        <Host>iarc.imis.si:16807</Host>
      </Archive>
    </ArchivesReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.4.2 Archive read

Operation reads the archive server and user roles.

### Request

See chapter [ArchiveReadRequest](#)

### Response

See chapter [ArchiveReadResponse](#)

**Example****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ArchiveReadRequest>
      <ser:SessionToken>2598c80f-b84b-4853-910a-62b495020a59</ser:SessionToken>
    </ser:ArchiveReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ArchiveReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Archive id="IARC" auditLogRequired="false">
        <Name>IMiS/Archive Server</Name>
        <Description>The archiving of unlimited quantities of binary objects.</Description>
        <Host>iarc910.imis.si</Host>
        <Capabilities auditQuery="true" contentManagement="true" draftManagement="true"
importExport="true" reports="true"/>
        <Features contentConvert="true" contentDetach="true" contentIndex="true"
contentMove="true" createDrafts="true"/>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <Secure>false</Secure>
        <ServiceName>IMiS/ARChive Storage Server 9.10.1910.700</ServiceName>
        <ServiceVersion>700</ServiceVersion>
        <AdministrationAccess createReviews="true" deletedEntities="true"
deletedQueue="true" disposedEntities="true" exportLogs="true" importLogs="true"
reviews="true"/>
      </Archive>
    </ArchiveReadResponse>
  </S:Body>
</S:Envelope>
```

**5.4.2.1 Archive certificate read**

Operation obtains the archive server certificate.

**Request**

See chapter [ArchiveCertificateReadRequest](#)

**Response**

See chapter [ArchiveCertificateReadResponse](#)

**Example****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ArchiveCertificateReadRequest>
      <ser:SessionToken>d1409063-8631-41c6-87bc-30fb57f94d48</ser:SessionToken>
    </ser:ArchiveCertificateReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

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

<Certificate>LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tDQpNSU1ET2pDQ0FpSUNDUURPQS96VnhGTGNUEkFOQmd
rcWhraUc5dzBCQVFrZkFEQmZNUmN3R1FZRFZRUUREQTVwDQpZWEpqt1RndWFXMXBjeTV6YVRFU1BNEdBMVVFQ3d3SFU
yVnlkbVZ5Y3pFbE1DTUdBMVVFQ2d3Y1NVMXBEVt1CDQpVa05vYVhabElGTjBiM0poWjJVZ1UyVnlkbVZ5Y3pFTE1Ba0d
BMVVFQmhnQ1ZWTXIdIaGN0TVRjd05ESTRNVE0wDQpOek16V2hjTk1qY3dOREk1TVRNME56SXpXakJmTVJjd0ZRURWUUVF
EREE1cFlYsmpPVGd1YVcxGN5NXphVEVRDQpNQTRHQTFVRUN3d0hVM1Z5ZG1WeWN6RWxNQ01HQTFVRUNnd2NTVTFwVXk
5Q1VrTm9hWFpsSUZOMGIzSmhaM1VndQpVM1Z5ZG1WeWN6RUxNQWtHQTFVRUJoTUNWVk13Z2dFaU1BMEgDU3FHU01iM0R
RRUJBUVBVBQTRJQkR3QXdnZ0VLDQpBb01CQVFDQpF3ZTBBN0hGcHROOTBzcU03U0RnRERGYUZ5dVd2RXFQTUVEc1JpPds9
maEh3ZTRFUTBsNWpWZmRFDQptU28rUFVEZnJqR31WbGVsQm9SbkhVUkJsSzk3dH1qb1JEM1I1ZF1ZTT15Qz1NemtjdUw
rT0QxdGQ3ZU9zTzhtDQovVmcyTV1VaksrejZJRzNOAGtvUEMwc3dCZGxYSVVoWkhNbk5QSVRYjNjdmV0a25haHE1d0N
YaU96eDVESVdoDQpic2FIQm9BWng1d21tOVFEajU3WFNxcERrRzJtdnU3dXZtMHZzOEJuM1JzY1N1N1puM3NEbXcvbG0
xYnc2STBODQpvSGNtcWNFTHdhRXc5dUZWcmF4c2ZRaGJxV2RuNkF6cn1JN1p2QnVhK1pwMDBBJZ1pvS3J5VWNRK2tSe1V
SQ1RWDQp2cHEyY0pWMDh6YzFOak1PazgwSmpRRDnrMnBCQWdNqkFBRXdEUVlKS29aSWh2Y05BUUVMQ1FBRGdnRUJBR1J
1DQpNSXR1dXcxRGVPTk9pSTQrOVNLb3ZOM31wSkFZVm1oNGRnSWh0Nk9WUEs4chQvYitjSS9LdXZ2WnF3Y2p4L1ZHDQp
2TG1UR2g4TXgwZTNIUnhFNVlvYVJNdVVDQy9vUjJ2ZUVzNVZLOTE4ejBxbEVlc3lzTmZ5NUdZT2xPRUI0SWp0DQpaOXJ
0SFFkaUt5bnZIWT1UUjBNU1RUK3dDbmhiMVZObmk4eWV5NmZSzk5VYw1FQ3NabG95U2tDRFREYkRnZi8rDQpiQVhhMmx
kTzZteHbnV2JqNgdizE1wVTdsNWdmdERGZSthalzkTEXuV1hBTvVhU3Z2Z01TMUpsZ2VCRkZ1dDk0DQpld1d6YmNLMzV
UWjRnS0VLWUppZnIvbnhGNHcrTDI3ZjZLSGFqczBMMnowc3c4OXQWWhpSWFNRMGVdck1qZFYyDQo4RG1Xd1A2ekhSQzZ
zSFpRYmdBPQ0KLS0tLS1FTkQgQ0VSVelGSUNBEVtLS0tLQ==</Certificate>
    </ArchiveCertificateReadResponse>
  </S:Body>
</S:Envelope>
```

**5.5 Session****5.5.1 Session open**

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

**Request**

See chapter [SessionOpenRequest](#)

**Response**

See chapter [SessionOpenResponse](#)

**Example**Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:SessionOpenRequest>
      <ser:ArchiveId>IARC</ser:ArchiveId>
      <ser:Authentication>
        <ser:Username>admin</ser:Username>
        <ser>Password>xxxxxxx</ser>Password>
      </ser:Authentication>
    </ser:SessionOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <SessionOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <SessionToken>8zLphtCBKj2QjLHJrz2WDaeZ8D808ZL4JA8OS09keJRihUHJ</SessionToken>
      <ApiVersion>6</ApiVersion>
      <ServiceName>IMiS/ARChive Storage Server 9.10.1910.700</ServiceName>
      <ServiceVersion>700</ServiceVersion>
    </SessionOpenResponse>
  </S:Body>
</S:Envelope>
```

**5.5.2 Session close**

Operation closes the session.

Request

See chapter [SessionCloseRequest](#)

Response

See chapter [SessionCloseResponse](#)

**Example**Request

```
<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

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

## **5.6 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.

### **5.6.1 Entities read**

The operation obtains an entity collection at the root of the archive or a collection of subordinated entities. With request parameters we can control the entity information sets and reading the pages of the entity collection. The reading of pages is defined by the Paging parameter, which contains the beginning of the page and page size information.

When reading an individual page, the operation returns an empty collection if there are no more entities after the specified pageStart value. If the Paging parameters are not given, the complete collection is returned.

#### Request

See chapter [EntitiesReadRequest](#)

#### Response

See chapter [EntitiesReadResponse](#)

**Example of the entities read****Request**

```
<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**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitiesReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <EntityStub id="f1NI4IVlgz-7qSu7XIibTh_i2cGAeMe1DIyuUqrEBPM">
        <Description>Administration documents</Description>
        <ClassificationCode> C=100</ClassificationCode>
        <PublicClassificationCode>100</PublicClassificationCode>
        <Title>Administration</Title>
        <Type>Class</Type>
      </EntityStub>
      <EntityStub id="egSDH8ahuBifOUfXzfZKkDxnkD0_6X9x0lSa9v_aDVc">
        <Description>Finance documents</Description>
        <ClassificationCode>C=101</ClassificationCode>
        <PublicClassificationCode>101</PublicClassificationCode>
        <Title>Finance</Title>
        <Type>Class</Type>
      </EntityStub>
      <EntityStub id="4pyn3eeIdCU75bokcln0qx1OrUZD7YkJvAvx-r_tdd4">
        <ClassificationCode>C=102</ClassificationCode>
        <PublicClassificationCode>102</PublicClassificationCode>
        <Title>Production</Title>
        <Type>Class</Type>
      </EntityStub>
    </EntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

**Example of the subordinated entities read****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitiesReadRequest>
      <ser:SessionToken>57eec86f-4166-4bf7-a92e-3a0f7cba7d9b</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=60</ser:Id>
    </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response*****Scheme***

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitiesReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <EntityStub id="gYq2dIJTWPzK2HKMrgcvZ25OvR4q4KndHGwYVfDg-jM">
        <ClassificationCode>C=60^D=00010</ClassificationCode>
        <PublicClassificationCode>60/00010</PublicClassificationCode>
        <Title>Business plan September</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="gsPSVmGksmrUCCetPtMvi8onjbnIT4beZTW3NbSIM_g">
        <ClassificationCode>C=60^D=00012</ClassificationCode>
        <PublicClassificationCode>60/00012</PublicClassificationCode>
        <Title>Business plan October</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="GOgodd_8wz_z8dyj5ZAJXr6W8RkSzPSKzSpVTvVRaso">
        <Description>Opis...</Description>
        <ClassificationCode>C=60^D=00102</ClassificationCode>
        <PublicClassificationCode>60/00102</PublicClassificationCode>
        <Title>Business plan November</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="aIgt0BJxPaMCjwKsMnr0YlrMwKyWyKLzkYHMz1szQ9E">
        <ClassificationCode>C=60^D=00106</ClassificationCode>
        <PublicClassificationCode>60/00106</PublicClassificationCode>
        <Title>Business plan December</Title>
        <Type>Document</Type>
      </EntityStub>
    </EntitiesReadResponse>
  </S:Body>
</S:Envelope>

```

**Example of the entities read with filter and paging****Request**

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitiesReadRequest>
      <ser:SessionToken>86Nr7fwQhgd6Ob15rowmlVGiaE6m707qDCu0M9c</ser:SessionToken>
      <ser:Filter all="true"/>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
        <ser:Refresh>>false</ser:Refresh>
      </ser:Paging>
    </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR">
        <ClassificationCode>C=01</ClassificationCode>
        <PublicClassificationCode>01</PublicClassificationCode>
        <Title>Administration</Title>
        <Type>Class</Type>
        <Description>Company documentation and correspondence</Description>
        <Permanent>>false</Permanent>
        <ChildCount>6</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="jturner">
          <FirstName>Jerry</FirstName>
          <LastName>Turner</LastName>
          <Email>jerry.turner@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </Template>
        <Created>2019-01-10T18:18:35.541Z</Created>
        <Accessed>2019-05-07T10:05:41.630Z</Accessed>
        <Modified>2019-05-06T10:16:04.340Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2019-01-10T18:18:35.541Z</Opened>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Status inherited="true">Opened</Status>
        <SubEntityTemplate id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </SubEntityTemplate>
        <SubEntityTemplate id="Case">
          <Label>Case</Label>
          <EntityType>Folder</EntityType>
        </SubEntityTemplate>
        <SubEntityTemplate id="Email">
          <Label>E-mail</Label>
          <EntityType>Document</EntityType>
        </SubEntityTemplate>
        <SubEntityTemplate id="Document">
          <Label>Document</Label>
          <EntityType>Document</EntityType>
        </SubEntityTemplate>
        <SubEntityTemplate id="doc02">
          <Label>Document 2</Label>
          <EntityType>Document</EntityType>
        </SubEntityTemplate>
        <Keyword>admin</Keyword>
        <Keyword>aaa</Keyword>
        <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>>false</HasReferences>
        <HasVersions>>false</HasVersions>
      </EntityStub>
    </EntitiesReadResponse>
  </S:Body>
</S:Envelope>

```

```

    <HasDraft>false</HasDraft>
  </EntityStub>
  <EntityStub id="8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSks">
    <ClassificationCode>C=02</ClassificationCode>
    <PublicClassificationCode>02</PublicClassificationCode>
    <Title>Finance</Title>
    <Type>Class</Type>
    <Description>Account payable, Accounts receiveable, Banking, Budgeting,
Payments</Description>
    <Permanent>false</Permanent>
    <ChildCount>6</ChildCount>
    <Creator id="admin">
      <FirstName/>
      <LastName>Administrator</LastName>
      <Email>admin@acme.com</Email>
      <Type>User</Type>
    </Creator>
    <Template id="Class">
      <Label>Class</Label>
      <EntityType>Class</EntityType>
    </Template>
    <Created>2019-01-10T18:18:43.513Z</Created>
    <Accessed>2019-05-07T10:05:36.732Z</Accessed>
    <Modified>2019-04-24T07:09:45.978Z</Modified>
    <ModifiedBy id="jturner">
      <FirstName>Jerry</FirstName>
      <LastName>Turner</LastName>
      <Email>jerry.turner@acme.com</Email>
      <Type>User</Type>
    </ModifiedBy>
    <Opened>2019-01-10T18:18:43.513Z</Opened>
    <SecurityClass inherited="true"/>
    <Significance inherited="true"/>
    <Status inherited="true">Opened</Status>
    <SubEntityTypeTemplate id="Class">
      <Label>Class</Label>
      <EntityType>Class</EntityType>
    </SubEntityTypeTemplate>
    <SubEntityTypeTemplate id="Case">
      <Label>Case</Label>
      <EntityType>Folder</EntityType>
    </SubEntityTypeTemplate>
    <SubEntityTypeTemplate id="Email">
      <Label>E-mail</Label>
      <EntityType>Document</EntityType>
    </SubEntityTypeTemplate>
    <SubEntityTypeTemplate id="Document">
      <Label>Document</Label>
      <EntityType>Document</EntityType>
    </SubEntityTypeTemplate>
    <SubEntityTypeTemplate id="doc02">
      <Label>Document 2</Label>
      <EntityType>Document</EntityType>
    </SubEntityTypeTemplate>
    <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
    <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <AIP>true</AIP>
    <HasReferences>true</HasReferences>
    <HasVersions>false</HasVersions>
    <HasDraft>false</HasDraft>
  </EntityStub>
  <PageStart>0</PageStart>
  <PageSize>2</PageSize>
  <Size>15</Size>
</EntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.6.2 Entity public information read

Operation reads the entity public information on single entity.

### Request

See chapter [EntityStubReadRequest](#)

### Response

See chapter [EntityStubReadResponse](#)

### Example of the entity public information read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityStubReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfs2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>q9uOxr1_VCmwraHqTau5QOXF5bTWHowM</ser:Id>
    </ser:EntityStubReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityStubReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="q9uOxr1_VCmwraHqTau5QOXF5bTWHowM">
        <ClassificationCode>C=05</ClassificationCode>
        <PublicClassificationCode>05</PublicClassificationCode>
        <Title>Human Resources and Payroll</Title>
        <Type>Class</Type>
        <Description>Employee records</Description>
        <Permanent>>false</Permanent>
        <ChildCount>9</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </Template>
        <Created>2018-11-13T12:27:04.000Z</Created>
        <Accessed>2018-11-27T07:32:37.000Z</Accessed>
        <Modified>2018-11-13T12:27:04.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2018-11-13T12:27:04.000Z</Opened>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
      </EntityStub>
    </EntityStubReadResponse>
  </S:Body>
</S:Envelope>
```

```

<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="6tYEePqNjXQcdXj1Xqd014IREiQxQfZJ">
    <Name>Permanent</Name>
    <Description>Permanent retention</Description>
    <ExplicitContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </ExplicitContext>
  </Policy>
</Retention>
<SubEntityTemplate id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<AIP>true</AIP>
<HasReferences>true</HasReferences>
<HasVersions>false</HasVersions>
<HasDraft>false</HasDraft>
</EntityStub>
</EntityStubReadResponse>
</S:Body>
</S:Envelope>

```

### 5.6.3 Entity open

Operation opens an entity for reading and editing and returns a unique identifier of the open entity, which carry out different operations. The entity open in editing mode is saved on attribute modification; see chapter [Entity update](#).

#### Request

See chapter [EntityOpenRequest](#)

#### Response

See chapter [EntityOpenResponse](#)

### Example of the entity open for reading

#### Request

```

<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:EditMode>>false</ser:EditMode>
    </ser:EntityOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Id type="Handle">1zQqhtYD2ysVfs7C</Id>
    </EntityOpenResponse>
  </S:Body>
</S:Envelope>
```

## Example of the entity open for editing

### Request

```
<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:EditMode>true</ser:EditMode>
    </ser:EntityOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Id type="Handle">3zQqhtYD2ysVfs7C</Id>
    </EntityOpenResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.4 Entity open for creating

Operation opens an entity for reading and editing and returns a unique identifier of the open entity, which carry out different operations. The entity open in creating mode is saved on attribute modification.

For more information see chapter [Entity update](#).

### Request

See chapter [EntityOpenCreateRequest](#)

### Response

See chapter [EntityOpenResponse](#)

## Example of the entity create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityOpenCreateRequest>
      <ser:SessionToken>dd238f19-e822-435e-9969-0967f18e8127</ser:SessionToken>
      <ser:ParentId type="Internal">k-QWhTOaNaBMZU0P6Op8FlboaktvbxFw</ser:ParentId>
      <ser:Template>Class</ser:Template>
    </ser:EntityOpenCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityOpenCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Id type="Handle">ca0632ce-e310-4d41-8def-a281c52bb28b</Id>
    </EntityOpenCreateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.5 Entity close

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

### Request

See chapter [EntityCloseRequest](#)

### Response

See chapter [EntityCloseResponse](#)

## Example of the entity close

### Request

```
<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-4553-9619-7acbb781238f</Id>
    </ser:EntityCloseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

## 5.6.6 Entity read

Operation reads an entity information. In addition to the publicly available data, data on physical archive and e-mail is available, if it exists. When reading a document, the metadata on objects without content is returned.

### Request

See chapter [EntityReadRequest](#)

### Response

See chapter [EntityReadResponse](#)

## Example of the entity read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReadRequest>
      <ser:SessionToken>wGHCMT6cU2RKdFS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
    </ser:EntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS">
        <ClassificationCode>C=02</ClassificationCode>
        <PublicClassificationCode>02</PublicClassificationCode>
        <Title>Finance</Title>
        <Type>Class</Type>
        <Description>Account payable, Accounts receiveable, Banking, Budgeting,
Payments</Description>
        <Permanent>>false</Permanent>
        <ChildCount>6</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
      </Entity>
    </EntityReadResponse>
  </S:Body>
</S:Envelope>
```

```

<Template id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</Template>
<Created>2019-01-10T18:18:43.513Z</Created>
<Accessed>2019-05-08T13:51:23.560Z</Accessed>
<Modified>2019-04-24T07:09:45.978Z</Modified>
<ModifiedBy id="jturner">
  <FirstName>Jerry</FirstName>
  <LastName>Turner</LastName>
  <Email>jerry.turner@acme.com</Email>
  <Type>User</Type>
</ModifiedBy>
<Opened>2019-01-10T18:18:43.513Z</Opened>
<SecurityClass inherited="true"/>
<Significance inherited="true"/>
<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="7i4QHR5OcoMJzYr8EglUp5wGr3TS00ez">
    <Name>Permanent</Name>
    <Description>Permanent retention</Description>
    <ExplicitContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </ExplicitContext>
  </Policy>
</Retention>
<SubEntityTemplate id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Case">
  <Label>Case</Label>
  <EntityType>Folder</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Email">
  <Label>E-mail</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Document">
  <Label>Document</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="doc02">
  <Label>Document 2</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<AIP>true</AIP>
<HasReferences>true</HasReferences>
<HasVersions>false</HasVersions>
<HasDraft>false</HasDraft>
</Entity>
</EntityReadResponse>
</S:Body>
</S:Envelope>

```

## Example of the document read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReadRequest>
      <ser:SessionToken>nf1OUqQJttekFGqJ3XF6VjJTDg9NOsJ6OW8divuQbdxXT9z</ser:SessionToken>
      <ser:Id>tK2lu6VnyhTvjFP0opd-edNhfy5quorV</ser:Id>
    </ser:EntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="tK2lu6VnyhTvjFP0opd-edNhfy5quorV">
        <ClassificationCode>C=02^C=01^C=02^F=2019-000037^D=000002</ClassificationCode>
        <PublicClassificationCode>02.01.02-2019-000037/000002</PublicClassificationCode>
        <Title>NE Meeting!</Title>
        <Type>Document</Type>
        <Description>3.592824.LORERLSUCB2NWUZPLOZIOM0YS0R42C0PB</Description>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="anelson">
          <FirstName>Alex</FirstName>
          <LastName>Nelson</LastName>
          <Email>alex.nelson@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2002-11-30T08:00:00.000Z</Created>
        <Accessed>2019-05-08T13:54:36.732Z</Accessed>
        <Modified>2019-01-10T19:06:43.885Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <ParentId type="Internal">yum-2s1EFudCqzUJ5AR1Mpb08d6e-bV3</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <HasVersions>false</HasVersions>
        <HasDraft>false</HasDraft>
        <PhysicalProperties/>
        <Object id="GxeHz0tfRn2quAbwJtj77e4Gik2uQFP5">
          <Description>01101.pdf</Description>
          <Size>373408</Size>
          <ChildCount>0</ChildCount>
          <Indexed>true</Indexed>
```

```

    <Signed>false</Signed>
    <Created>2019-01-10T19:06:43.886Z</Created>
    <Accessed>2019-02-14T07:59:56.821Z</Accessed>
    <Modified>2019-01-10T19:06:43.886Z</Modified>
    <ContentType>application/pdf</ContentType>
    <Extension>.pdf</Extension>
  </Object>
</Entity>
</EntityReadResponse>
</S:Body>
</S:Envelope>

```

## 5.6.7 Entity create

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

### Request

See chapter [EntityCreateRequest](#)

### Response

See chapter [EntityCreateResponse](#)

### Example of the entity create on the archive root

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityCreateRequest>
      <ser:SessionToken>ZoJD0eXvvEvXGr1xMKNetFNOgDT7XfD1bGi8CqKnjNfzqGUw</ser:SessionToken>
      <ser:EntityCreate>
        <ser:Template>Class</ser:Template>
        <ser:Title>Supply Chain management</ser:Title>
        <ser:Retention>
          <ser:Policy scope="Allow" id="6IxWCwZuYSq1N79iiNsSSpSV62aMbl5j">
            <ser:Filter classes="true" documents="true" folders="true"/>
          </ser:Policy>
        </ser:Retention>
      </ser:EntityCreate>
    </ser:EntityCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="72Rt0SkHkIQGfKpPQYMLBvNKu15rCgbf">
        <ClassificationCode>C=27</ClassificationCode>
        <PublicClassificationCode>27</PublicClassificationCode>
        <Title>Supply Chain management</Title>
        <Type>Class</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
      </Entity>
    </EntityCreateResponse>
  </S:Body>
</S:Envelope>

```

```

<Creator id="admin">
  <FirstName/>
  <LastName>Administrator</LastName>
  <Email>admin@acme.com</Email>
  <Type>User</Type>
</Creator>
<Template id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</Template>
<Created>2019-05-08T14:43:10.344Z</Created>
<Accessed>2019-05-08T14:43:10.344Z</Accessed>
<Modified>2019-05-08T14:43:10.344Z</Modified>
<ModifiedBy id="admin">
  <FirstName/>
  <LastName>Administrator</LastName>
  <Email>admin@acme.com</Email>
  <Type>User</Type>
</ModifiedBy>
<Opened>2019-05-08T14:43:10.344Z</Opened>
<SecurityClass inherited="true"/>
<Significance inherited="true"/>
<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="6IxWCwZuYSqlN79iiNsSSpSV62aMb15j">
    <Name>10 years</Name>
    <Description>Dispose after 10 years retention</Description>
    <ExplicitContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </ExplicitContext>
  </Policy>
</Retention>
<SubEntityTemplate id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Case">
  <Label>Case</Label>
  <EntityType>Folder</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Email">
  <Label>E-mail</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Document">
  <Label>Document</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="doc02">
  <Label>Document 2</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>false</AIP>
  <HasReferences>false</HasReferences>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
</EntityCreateResponse>
</S:Body>
</S:Envelope>

```

## Example of the document with content create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityCreateRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4Pg</ser:SessionToken>
      <ser:ParentId type="Internal">5SYVgNVXCHHWvti8z8LSVuGmN6GO8X0U</ser:ParentId>
      <ser:EntityCreate>
        <ser:Template>FiledDocument</ser:Template>
        <ser:Title>Document</ser:Title>
        <ser:Description>Text document</ser:Description>
        <ser:Owner>kclay</ser:Owner>
        <ser:Keyword>Text</ser:Keyword>
        <ser:Object>
          <ser:Description>Data</ser:Description>
          <ser:ContentType>text/plain</ser:ContentType>
          <ser:Content>cid:197661529037</ser:Content>
        </ser:Object>
      </ser:EntityCreate>
    </ser:EntityCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="-GSj8MuVJIzrzhTYeOgejD1Mq1NQVgox">
        <ClassificationCode>C=01^C=06^F=2019-000002^D=000007</ClassificationCode>
        <PublicClassificationCode>01.06-2019-000002/000007</PublicClassificationCode>
        <Title>Document</Title>
        <Type>Document</Type>
        <Description>Text document</Description>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-05-09T07:34:54.083Z</Created>
        <Accessed>2019-05-09T07:34:54.083Z</Accessed>
        <Modified>2019-05-09T07:34:54.083Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Keyword>Text</Keyword>
        <ParentId type="Internal">5SYVgNVXCHHWvti8z8LSVuGmN6GO8X0U</ParentId>
```

```

    <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <AIP>false</AIP>
    <HasReferences>false</HasReferences>
    <HasVersions>false</HasVersions>
    <HasDraft>false</HasDraft>
    <PhysicalProperties/>
    <Object id="u6iN-JBPizWkX3fbYrjfVIIhI9bLbLy7">
      <Description>Data</Description>
      <Size>18</Size>
      <ChildCount>0</ChildCount>
      <Indexed>false</Indexed>
      <Signed>false</Signed>
      <Created>2019-05-09T07:34:54.083Z</Created>
      <Accessed>2019-05-09T07:34:54.083Z</Accessed>
      <Modified>2019-05-09T07:34:54.083Z</Modified>
      <ContentType>text/plain</ContentType>
      <Extension>.txt</Extension>
    </Object>
  </Entity>
</EntityCreateResponse>
</S:Body>
</S:Envelope>

```

## 5.6.8 Entity delete

Operation deletes an entity.

### Request

See chapter [EntityDeleteRequest](#)

### Response

See chapter [EntityDeleteResponse](#)

## Example of the entity delete

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser: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:EntityDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

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

## 5.6.9 Entity update

Operation updates an entity attributes.

### Request

See chapter [EntityUpdateRequest](#)

### Response

See chapter [EntityUpdateResponse](#)

## Example of the entity update

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityUpdateRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgU3</ser:SessionToken>
      <ser:Id type="Internal">-GSj8MuVJIzrzhTYeOgejD1Mq1NQVgox</ser:Id>
      <ser:EntityUpdate>
        <ser:Title>Text document</ser:Title>
        <ser:Description>Monthly finance reports</ser:Description>
        <ser:Owner>kclay</ser:Owner>
        <ser:Keyword>text</ser:Keyword>
        <ser:Keyword>finance</ser:Keyword>
      </ser:EntityUpdate>
    </ser:EntityUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="-GSj8MuVJIzrzhtYeOgejDlMq1NQVgox">
        <ClassificationCode>C=01^C=06^F=2019-000002^D=000007</ClassificationCode>
        <PublicClassificationCode>01.06-2019-000002/000007</PublicClassificationCode>
        <Title>Text document</Title>
        <Type>Document</Type>
        <Description>Monthly finance reports</Description>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-05-09T07:34:54.083Z</Created>
        <Accessed>2019-05-09T07:51:47.917Z</Accessed>
        <Modified>2019-05-09T07:52:52.793Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Keyword>text</Keyword>
        <Keyword>finance</Keyword>
        <ParentId type="Internal">5SYVgNVXCHHWvti8z8LSVuGmN6GO8X0U</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <HasVersions>false</HasVersions>
        <HasDraft>false</HasDraft>
        <PhysicalProperties/>
        <Object id="u6iN-JBPizWkX3fbYrjfVIIhI9bLbLy7">
          <Description>Data</Description>
          <Size>18</Size>
          <ChildCount>0</ChildCount>
          <Indexed>true</Indexed>
          <Signed>false</Signed>
          <Created>2019-05-09T07:34:54.083Z</Created>
          <Accessed>2019-05-09T07:45:41.277Z</Accessed>
          <Modified>2019-05-09T07:34:54.083Z</Modified>
          <ContentType>text/plain</ContentType>
          <Extension>.txt</Extension>
        </Object>
      </Entity>
    </EntityUpdateResponse>
  </S:Body>
</S:Envelope>

```

## 5.6.10 Entity status update

Operation updates an entity status.

### Request

See chapter [EntityStatusUpdateRequest](#)

### Response

See chapter [EntityStatusUpdateResponse](#)

### Example of the entity status update to “Closed”

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/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

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityStatusUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Status inherited="false">Closed</Status>
    </EntityStatusUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.11 Entity security class update

Operation updates an entity security class.

### Request

See chapter [EntitySecurityClassUpdateRequest](#)

### Response

See chapter [EntitySecurityClassUpdateResponse](#)

## Example of the entity security class update

### Request

```
<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

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitySecurityClassUpdateResponse
xmlns="http://www.imis.si/storageconnector/services">
      <SecurityClass inherited="false">Confidential</SecurityClass>
    </EntitySecurityClassUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.12 Entity retention policy create

Operation creates an entity retention policy.

### Request

See chapter [EntityRetentionPolicyEntriesCreateRequest](#)

### Response

See chapter [EntityRetentionPolicyEntriesCreateResponse](#)

## Example of the entity retention policy create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityRetentionPolicyCreateRequest>
      <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=191</ser:Id>
      <ser:RetentionPolicy scope="Allow" id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE">
        <ser:Filter classes="true" documents="true" folders="true"/>
      </ser:RetentionPolicy>
    </ser:EntityRetentionPolicyCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityRetentionPolicyCreateResponse
xmlns="http://www.imis.si/storageconnector/services">
      <RetentionPolicy id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE">
        <Name>10 years</Name>
        <Description>Dispose after 10 years</Description>
        <ExplicitContext effective="false" scope="Allow">
          <Filter classes="true" documents="true" folders="true"/>
        </ExplicitContext>
      </RetentionPolicy>
    </EntityRetentionPolicyCreateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.13 Entity retention policy update

Operation updates an entity retention policy.

### Request

See chapter [EntityRetentionPolicyUpdateRequest](#)

### Response

See chapter [EntityRetentionPolicyUpdateResponse](#)

## Example of the entity retention policy update

### Request

```
<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-pIaVhOV15shGuLwvS40vEkzd3JE">
        <ser:Filter classes="true" documents="true" folders="false"/>
      </ser:RetentionPolicy>
    </ser:EntityRetentionPolicyUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityRetentionPolicyUpdateResponse
xmlns="http://www.imis.si/storageconnector/services">
      <RetentionPolicy id="Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS40vEkzd3JE">
        <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>
```

## 5.6.14 Entity retention policy update

Operation executes an entity retention policies update.

### Request

See chapter [EntityRetentionPolicyEntriesUpdateRequest](#)

### Response

See chapter [EntityRetentionPolicyEntriesUpdateResponse](#)

## Example of the entity retention policies update

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityRetentionPolicyEntriesUpdateRequest>
      <ser:SessionToken>374e5ab5-3f18-48ab-8643-f010f0dcbdd1</ser:SessionToken>
      <ser:Id>tIw_CODIQQTSR6to1-y6vbojo6ZFT9bS</ser:Id>
      <ser:RetentionPolicy scope="Allow" id="1avMancW_MtTbRwpr3p456GYLmDY8SCF">
        <ser:Filter classes="false" documents="true" folders="false"/>
      </ser:RetentionPolicy>
      <ser:RetentionPolicy scope="Allow" id="q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk">
        <ser:Filter classes="false" documents="true" folders="false"/>
      </ser:RetentionPolicy>
    </ser:EntityRetentionPolicyEntriesUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityRetentionPolicyEntriesUpdateResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <RetentionPolicy id="1avMancW_MtTbRwpr3p456GYLmDY8SCF">
        <Name>5 years</Name>
        <Description>Action after 5 years retention</Description>
        <ExplicitContext effective="true" scope="Allow">
          <Filter classes="false" documents="true" folders="false"/>
        </ExplicitContext>
      </RetentionPolicy>
      <RetentionPolicy id="q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk">
        <Name>3 years</Name>
        <Description>Action after 3 years retention</Description>
        <ExplicitContext effective="true" scope="Allow">
          <Filter classes="false" documents="true" folders="false"/>
        </ExplicitContext>
      </RetentionPolicy>
    </EntityRetentionPolicyEntriesUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.15 Entity retention policy delete

Operation deletes an entity retention policy.

### Request

See chapter [EntityRetentionPolicyEntryDeleteRequest](#)

### Response

See chapter [EntityRetentionPolicyEntryDeleteResponse](#)

**Example of the entity retention policy delete**Request

```
<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-
pIaVhOV15shGuLwvS40vEkzd3JE</ser:RetentionPolicyId>
    </ser:EntityRetentionPolicyDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

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

**5.6.16 Entity disposition hold create**

Operation creates an entity disposition hold.

Request

See chapter [EntityRetentionDispositionHoldEntriesCreateRequest](#)

Response

See chapter [EntityRetentionDispositionHoldEntriesCreateResponse](#)

**Example of the entity disposition hold create**Request

```
<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:EntityRetentionDispositionHoldCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityRetentionDispositionHoldEntriesCreateResponse
xmlns="http://www.imis.si/storageconnector/services">
      <DispositionHold id="pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4">
        <Name>Permanent hold</Name>
        <Description>Entity is on permanent hold</Description>
      </DispositionHold>
    </EntityRetentionDispositionHoldCreateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.17 Entity disposition hold delete

Operation deletes an entity disposition hold.

### Request

See chapter [EntityRetentionDispositionHoldEntryDeleteRequest](#)

### Response

See chapter [EntityRetentionDispositionHoldEntryDeleteResponse](#)

## Example of the entity disposition hold delete

### Request

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

      <ser:DispositionHoldId>pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4</ser:DispositionHoldId>
    </ser:EntityRetentionDispositionHoldDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.6.18 Entity move

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

### Request

See chapter [EntityMoveRequest](#)

### Response

See chapter [EntityStubReadResponse](#)

### Example of the entity move

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityMoveRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgU3Zk7dEb6lZj</ser:SessionToken>
      <ser:Id>-9Ud64RT0Z7bvGbl5Z_3kk1Gn6kQzH1B</ser:Id>
      <ser:ParentId>-ndjwS7vkwYRu50AwLmCvIeUUhjGAM7w</ser:ParentId>
      <ser:Reason>Move</ser:Reason>
    </ser:EntityMoveRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityMoveResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="-9Ud64RT0Z7bvGbl5Z_3kk1Gn6kQzH1B">
        <ClassificationCode>C=27^C=02^D=000001</ClassificationCode>
        <PublicClassificationCode>27.02/000001</PublicClassificationCode>
        <Title>doc</Title>
        <Type>Document</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="Document">
          <Label>Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-05-09T08:15:17.526Z</Created>
        <Accessed>2019-05-09T08:15:56.603Z</Accessed>
        <Modified>2019-05-09T08:15:17.526Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2019-05-09T08:15:17.526Z</Opened>
      </EntityStub>
    </EntityMoveResponse>
  </S:Body>
</S:Envelope>
```

```

<SecurityClass inherited="false">Secret</SecurityClass>
<Significance inherited="true"/>
<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="6IxWCwZuYSq1N79iiNsSSpSV62aMbl5j">
    <Name>10 years</Name>
    <Description>Dispose after 10 years retention</Description>
    <InheritedContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </InheritedContext>
  </Policy>
</Retention>
<ParentId type="Internal">-ndjwS7vkwYRu50AwLmCvIeUUhjGAM7w</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<AIP>false</AIP>
<HasReferences>false</HasReferences>
<HasVersions>false</HasVersions>
<HasDraft>false</HasDraft>
</EntityStub>
</EntityMoveResponse>
</S:Body>
</S:Envelope>

```

## 5.6.19 Entity save log read

Operation provides an entity save log.

### Request

See chapter [EntitySaveLogReadRequest](#)

### Response

See chapter [EntitySaveLogReadResponse](#)

## Example

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitySaveLogReadRequest>
      <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMhtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>jj1qxXgq1DTZp4SB3YKkLI00Sg2pJCgj</ser:Id>
    </ser:EntitySaveLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitySaveLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <SaveLog>&lt;?xml version="1.0"?>
        &lt;iarc:commitlog xmlns:iarc="http://www.imis.si/imisarc/commitlog.xsd" start="2018-11-
        28T11:56:42.912Z" end="2018-11-28T11:56:42.959Z">&lt;iarc:dsigverify>Digital signature
        verification started: 2018-11-28T11:56:42.912Z
        =====
        Verifying signed.pdf [1970f68260423de6b1ba061658eadeaef1a072e05f72832b70e09849ba7fdc51]:
        Signature status: VALID
        Certificate (subject: '/C=si/O=state-institutions/OU=sigen-ca/OU=companies-web/OU=VUKMAN IN
        VUKMAN - 74262548/CN=ALES VUKMAN/serialNumber=2465754016019', serial: '3b410f1e')
        verification: certificate has expired
        Error occurred while checking certificate chain (Certificate verification failed. Reason:
        'certificate has expired'.)
        =====
        Digital signature verification ended: 2018-11-
        28T11:56:42.959Z&lt;/iarc:dsigverify>&lt;/iarc:commitlog></SaveLog>
      </EntitySaveLogReadResponse>
    </S:Body>
  </S:Envelope>

```

### 5.6.20 Batch entity create

The operation creates multiple entities and transfers objects from unstructured storage.

#### Request

See chapter [BatchEntityCreateRequest](#)

#### Response

See chapter [BatchEntityCreateResponse](#)

### 5.6.21 Batch entity with references create

The operation creates multiple entities and transfers objects from unstructured storage.

#### Request

See chapter [BatchEntityRefCreateRequest](#)

#### Response

See chapter [BatchEntityRefCreateResponse](#)

## 5.7 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 the attributes. The access right can be assigned to users or a user group for each entity separately by assigning the right associated with the attribute of the directory entity type (Attribute ACL Entry).

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.

### 5.7.1 Entity access rights read

Operation reads a directory entity access rights on the entity.

#### Request

See chapter [EntityACLReadRequest](#)

#### Response

See chapter [EntityACLReadResponse](#)

### Example of the entity and entity property access right read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLReadRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgUrW79P</ser:SessionToken>
      <ser:Id>8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
    </ser:EntityACLReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWp0dXJuZlI" type="Directory">
        <Subject>jturner</Subject>
        <DirectoryEntity id="jturner">
          <FirstName>Jerry</FirstName>
          <LastName>Turner</LastName>
          <Email>jerry.turner@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
        <InheritedAllowRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="true" createReferences="true" createSubEntities="false"
changeSecurityClass="true" changeStatus="true" changeRetention="true"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAW13ZWxjaA" type="Directory">
        <Subject>mwelch</Subject>
        <DirectoryEntity id="mwelch">
          <FirstName>Marco</FirstName>
          <LastName>Welch</LastName>
          <Email>marco.welch@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="true"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="true"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAXN5czpBZGlpbmlzdHJhdG9ycw" type="Directory">
        <Subject>sys:Administrators</Subject>
        <DirectoryEntity id="sys:Administrators">
          <FirstName/>
          <LastName>System Administrators</LastName>
          <Email/>
          <Type>Group</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
    </EntityACLReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.7.2 Directory entity access rights read

Operation retrieves data on the directory entity access rights to an individual entity, draft or review.

### Request

See chapter [EffectiveRightsReadRequest](#)

### Response

See chapter [EffectiveRightsReadResponse](#)

### Example of the directory entity access rights read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EffectiveRightsReadRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFP</ser:SessionToken>
      <ser:Id>8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
      <ser:Subject>jturner</ser:Subject>
    </ser:EffectiveRightsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EffectiveRightsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
    </EffectiveRightsReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.7.3 Entity access right create

Operation creates an entity and entity properties access right.

### Request

See chapter [EntityACLEntriesCreateRequest](#)

## Response

See chapter [EntityACLEntriesCreateResponse](#)

## Example of the entity access right create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntriesCreateRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgU3Zk7dErW79P</ser:SessionToken>
      <ser:Id>8gRFJFNaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
      <ser:EntityACLEntry subject="jsmith" type="Directory">
        <ser:ExplicitAllowRights readAccess="true" writeAccess="true"/>
        <ser:ExplicitDenyRights deleteAccess="true"/>
      </ser:EntityACLEntry>
    </ser:EntityACLEntriesCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLEntriesCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWpzbWl0aA" type="Directory">
        <Subject>jsmith</Subject>
        <DirectoryEntity id="jsmith">
          <FirstName>John</FirstName>
          <LastName>Smith</LastName>
          <Email>john.smith@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="false"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
        <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
    </EntityACLEntriesCreateResponse>
  </S:Body>
</S:Envelope>
```

## 5.7.4 Entity or entity property access right update

Operation updates an entity or entity property explicit access right.

### Request

See chapter [EntityACLEntryUpdateRequest](#)

## Response

See chapter [EntityACLEntryUpdateResponse](#)

## Example of the entity access right update

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntryUpdateRequest>
      <ser:SessionToken>Ljth9KQpe1zc9gxnQicZt2u1YMhtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZ04p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:ACLEntryUpdate>
        <ser:EntityACLEntry id="AAAAAWpzbWl0aA">
          <ser:ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"/>
          <ser:ExplicitDenyRights deleteAccess="true"/>
        </ser:EntityACLEntry>
      </ser:ACLEntryUpdate>
    </ser:EntityACLEntryUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLEntryUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWpzbWl0aA" type="Directory">
        <Subject>jsmith</Subject>
        <DirectoryEntity id="jsmith">
          <FirstName>John</FirstName>
          <LastName>Smith</LastName>
          <Email>john.smith@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="false" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
        <ExplicitDenyRights readAccess="false" writeAccess="false" moveAccess="false"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
    </EntityACLEntryUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.7.5 Entity or entity property access right delete

Operation deletes an entity or entity property access right.

### Request

See chapter [EntityACLDeleteEntryRequest](#)

### Response

See chapter [EntityACLDeleteEntryResponse](#)

## Example of the entity or entity property access right delete

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLDeleteEntryRequest>
      <ser:SessionToken>Ljth9KQpelzc9gxnQicZt2u1YMhtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZO4p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:EntryId>AAAAAWpzbWl0aA</ser:EntryId>
    </ser:EntityACLDeleteEntryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.8 Template

Templates prescribe a metadata scheme. Each template contains 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.

## 5.8.1 Templates or template read

Operation reads templates or template.

### Request

See chapter [TemplatesReadRequest](#)

### Response

See chapter [TemplatesReadResponse](#)

### **Example**

An example of the templates or template read.

### Request

#### *Scheme*

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:TemplatesReadRequest>
      <ser:SessionToken>4XOS6OpaitBf0ThCh77UMWKruGa0SSCdEFRehtn7</ser:SessionToken>
    </ser:TemplatesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

#### *Scheme*

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <TemplatesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Template id="Case">
        <Label>Folder</Label>
        <EntityType>Folder</EntityType>
        <Description>Folder/Case entity</Description>
        <EntityCount>3960</EntityCount>
        <PhysicalProperties>true</PhysicalProperties>
        <EmailProperties>false</EmailProperties>
        <Versionable>false</Versionable>
        <StatusValues>Opened</StatusValues>
        <StatusValues>Closed</StatusValues>
        <SecurityClassValues>Unspecified</SecurityClassValues>
        <SecurityClassValues>Top Secret</SecurityClassValues>
        <SecurityClassValues>Secret</SecurityClassValues>
        <SecurityClassValues>Confidential</SecurityClassValues>
        <SecurityClassValues>Restricted</SecurityClassValues>
        <SecurityClassValues>Unclassified</SecurityClassValues>
        <SignificanceValues>Vital</SignificanceValues>
        <SignificanceValues>Permanent</SignificanceValues>
        <SignificanceValues>Retain</SignificanceValues>
        <SignificanceValues>Delete</SignificanceValues>
        <PhysicalPropertyStatusValues>CheckedIn</PhysicalPropertyStatusValues>
        <PhysicalPropertyStatusValues>CheckedOut</PhysicalPropertyStatusValues>
      </Template>
    </TemplatesReadResponse>
  </S:Body>
</S:Envelope>
```

```

<SystemProperties>
  <Title id="sys:Title">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="false" multiValue="false" nonEmpty="true" pickList="false" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true"
    searchable="true" unique="false" versionable="false"/>
    <Description>Entity title</Description>
    <Type>String200</Type>
  </Title>
  <Description id="sys:Description">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="false" multiValue="false" nonEmpty="true" pickList="false" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
    searchable="false" unique="false" versionable="false"/>
    <Description>Entity brief description</Description>
    <Type>String200</Type>
  </Description>
  <Keywords id="sys:Keywords">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="false" multiValue="true" nonEmpty="true" pickList="false" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
    searchable="true" unique="false" versionable="false"/>
    <Description>Entity keywords</Description>
    <Type>String30</Type>
  </Keywords>
  <Status id="sys:Status">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="true" multiValue="false" nonEmpty="false" pickList="true" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="true"
    searchable="true" unique="false" versionable="false"/>
    <Description>Entity status</Description>
    <Type>UInt32</Type>
    <UInt32Value key="Opened">1</UInt32Value>
    <UInt32Value key="Closed">2</UInt32Value>
  </Status>
  <SecurityClass id="sys:SecurityClass">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="true" multiValue="false" nonEmpty="false" pickList="true" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false"
    searchable="true" unique="false" versionable="false"/>
    <Description>Entity Security Class</Description>
    <Type>UInt32</Type>
    <UInt32Value key="Unspecified">0</UInt32Value>
    <UInt32Value key="Top Secret">3342336</UInt32Value>
    <UInt32Value key="Secret">6684672</UInt32Value>
    <UInt32Value key="Confidential">10027008</UInt32Value>
    <UInt32Value key="Restricted">13369344</UInt32Value>
    <UInt32Value key="Unclassified">16711680</UInt32Value>
  </SecurityClass>
  <Owner id="sys:Owner">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
    searchable="true" unique="false" versionable="false"/>
    <Description>Entity custodian</Description>
    <Type>DirectoryEntity</Type>
  </Owner>
  <ExternalIds id="sys:ExternalIds">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="false" multiValue="true" nonEmpty="true" pickList="false" public="true"
    readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
    searchable="true" unique="true" versionable="false"/>
    <Description>Entity unique external ids</Description>
    <Type>String100</Type>
  </ExternalIds>
  <Opened id="sys:Opened">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
    inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
    readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
    searchable="true" unique="false" versionable="false"/>

```

```

        <Description>Date and time when entity's status was set to
'Opened'</Description>
        <Type>DateTime</Type>
    </Opened>
    <Closed id="sys:Closed">
        <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
        <Description>Date and time when entity's status was set to
'Closed'</Description>
        <Type>DateTime</Type>
    </Closed>
    <Creator id="sys:Creator">
        <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true"
searchable="true" unique="false" versionable="false"/>
        <Description>Entity creator</Description>
        <Type>DirectoryEntity</Type>
    </Creator>
    <Significance id="sys:Significance">
        <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="true" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
        <Description>Entity significance state</Description>
        <Type>UInt32</Type>
        <UInt32Value key="Vital">1</UInt32Value>
        <UInt32Value key="Permanent">2</UInt32Value>
        <UInt32Value key="Retain">3</UInt32Value>
        <UInt32Value key="Delete">4</UInt32Value>
    </Significance>
    <ModifiedBy id="sys:ModifiedBy">
        <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
        <Description>Entity's last modifier</Description>
        <Type>DirectoryEntity</Type>
    </ModifiedBy>
    <PhysicalProperties>
        <Id id="sys:prm:Identifier">
            <Options appendOnly="false" fullTextIndexed="false"
inherited="true" multiValue="false" nonEmpty="true" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Physical entity unique identifier; non-empty value
indicates the presence of physical form.</Description>
            <Type>String100</Type>
        </Id>
        <Description id="sys:prm:Description">
            <Options appendOnly="false" fullTextIndexed="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Physical entity container description [format, page size
(especially for technical drawings), kind of container (e.g. archive box, folder), carrier
description (microfiche, DAT tape)]</Description>
            <Type>String200</Type>
        </Description>
        <Status id="sys:prm:Status">
            <Options appendOnly="false" fullTextIndexed="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="true"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Physical entity status: 'CheckedIn',
'CheckedOut'</Description>
            <Type>UInt32</Type>
            <UInt32Value key="CheckedIn">1</UInt32Value>
            <UInt32Value key="CheckedOut">2</UInt32Value>

```

```

        </Status>
        <StatusChange id="sys:prm:StatusChange">
            <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Last date and time when 'prm:Status' changed its
value</Description>
            <Type>DateTime</Type>
        </StatusChange>
        <HomeLocation id="sys:prm:HomeLocation">
            <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Home location of physical entity</Description>
            <Type>String100</Type>
        </HomeLocation>
        <CurrentLocation id="sys:prm:CurrentLocation">
            <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Current location of physical entity</Description>
            <Type>String100</Type>
        </CurrentLocation>
        <Custodian id="sys:prm:Custodian">
            <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>Current physical entity custodian; internal personnel if
status is 'CheckedIn' [normally Owner] or external if status is 'CheckedOut'</Description>
            <Type>String100</Type>
        </Custodian>
        <ReturnDue id="sys:prm:ReturnDue">
            <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
            <Description>The date when 'CheckedOut' physical entity is due to be
'CheckedIn'</Description>
            <Type>Date</Type>
        </ReturnDue>
    </PhysicalProperties>
</SystemProperties>
</Template>
<Template id="Document">
    <Label>Document</Label>
    <EntityType>Document</EntityType>
    <Description>Standalone document entity</Description>
    <EntityCount>6</EntityCount>
    <PhysicalProperties>true</PhysicalProperties>
    <EmailProperties>>false</EmailProperties>
    <Versionable>>false</Versionable>
    <StatusValues>Opened</StatusValues>
    <StatusValues>Closed</StatusValues>
    <SecurityClassValues>Unspecified</SecurityClassValues>
    <SecurityClassValues>Top Secret</SecurityClassValues>
    <SecurityClassValues>Secret</SecurityClassValues>
    <SecurityClassValues>Confidential</SecurityClassValues>
    <SecurityClassValues>Restricted</SecurityClassValues>
    <SecurityClassValues>Unclassified</SecurityClassValues>
    <SignificanceValues>Vital</SignificanceValues>
    <SignificanceValues>Permanent</SignificanceValues>
    <SignificanceValues>Retain</SignificanceValues>
    <SignificanceValues>Delete</SignificanceValues>
    <PhysicalPropertyStatusValues>CheckedIn</PhysicalPropertyStatusValues>
    <PhysicalPropertyStatusValues>CheckedOut</PhysicalPropertyStatusValues>
    <SystemProperties>
        <Title id="sys:Title">

```

```

    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="true" pickList="false" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true"
searchable="true" unique="false" versionable="false"/>
    <Description>Entity title</Description>
    <Type>String200</Type>
  </Title>
  <Description id="sys:Description">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="false" unique="false" versionable="false"/>
    <Description>Entity brief description</Description>
    <Type>String200</Type>
  </Description>
  <Keywords id="sys:Keywords">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="true" nonEmpty="true" pickList="false" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
    <Description>Entity keywords</Description>
    <Type>String30</Type>
  </Keywords>
  <Status id="sys:Status">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="true" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="true"
searchable="true" unique="false" versionable="false"/>
    <Description>Entity status</Description>
    <Type>UInt32</Type>
    <UInt32Value key="Opened">1</UInt32Value>
    <UInt32Value key="Closed">2</UInt32Value>
  </Status>
  <SecurityClass id="sys:SecurityClass">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="true" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="true" required="false"
searchable="true" unique="false" versionable="false"/>
    <Description>Entity Security Class</Description>
    <Type>UInt32</Type>
    <UInt32Value key="Unspecified">0</UInt32Value>
    <UInt32Value key="Top Secret">3342336</UInt32Value>
    <UInt32Value key="Secret">6684672</UInt32Value>
    <UInt32Value key="Confidential">10027008</UInt32Value>
    <UInt32Value key="Restricted">13369344</UInt32Value>
    <UInt32Value key="Unclassified">16711680</UInt32Value>
  </SecurityClass>
  <Owner id="sys:Owner">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
    <Description>Entity custodian</Description>
    <Type>DirectoryEntity</Type>
  </Owner>
  <ExternalIds id="sys:ExternalIds">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="true" nonEmpty="true" pickList="false" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="true" versionable="false"/>
    <Description>Entity unique external ids</Description>
    <Type>String100</Type>
  </ExternalIds>
  <Opened id="sys:Opened">
    <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
    <Description>Date and time when entity's status was set to
'Opened'</Description>
    <Type>DateTime</Type>

```

```

    </Opened>
    <Closed id="sys:Closed">
      <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
      <Description>Date and time when entity's status was set to
'Closed'</Description>
      <Type>DateTime</Type>
    </Closed>
    <Creator id="sys:Creator">
      <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true"
searchable="true" unique="false" versionable="false"/>
      <Description>Entity creator</Description>
      <Type>DirectoryEntity</Type>
    </Creator>
    <Significance id="sys:Significance">
      <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="true" multiValue="false" nonEmpty="false" pickList="true" public="true"
readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="false"/>
      <Description>Entity significance state</Description>
      <Type>UInt32</Type>
      <UInt32Value key="Vital">1</UInt32Value>
      <UInt32Value key="Permanent">2</UInt32Value>
      <UInt32Value key="Retain">3</UInt32Value>
      <UInt32Value key="Delete">4</UInt32Value>
    </Significance>
    <ModifiedBy id="sys:ModifiedBy">
      <Options appendOnly="false" fullTextIndexed="false" includedInAIP="false"
inherited="false" multiValue="false" nonEmpty="false" pickList="false" public="true"
readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false"
searchable="true" unique="false" versionable="true"/>
      <Description>Entity's last modifier</Description>
      <Type>DirectoryEntity</Type>
    </ModifiedBy>
    <PhysicalProperties>
      <Id id="sys:prm:Identifier">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="true" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Physical entity unique identifier; non-empty value
indicates the presence of physical form.</Description>
        <Type>String100</Type>
      </Id>
      <Description id="sys:prm:Description">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Physical entity container description [format, page size
(especially for technical drawings), kind of container (e.g. archive box, folder), carrier
description (microfiche, DAT tape)]</Description>
        <Type>String200</Type>
      </Description>
      <Status id="sys:prm:Status">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="true"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Physical entity status: 'CheckedIn',
'CheckedOut'</Description>
        <Type>UInt32</Type>
        <UInt32Value key="CheckedIn">1</UInt32Value>
        <UInt32Value key="CheckedOut">2</UInt32Value>
      </Status>
      <StatusChange id="sys:prm:StatusChange">

```

```

        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="true" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Last date and time when 'prm:Status' changed its
value</Description>
        <Type>DateTime</Type>
    </StatusChange>
    <HomeLocation id="sys:prm:HomeLocation">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Home location of physical entity</Description>
        <Type>String100</Type>
    </HomeLocation>
    <CurrentLocation id="sys:prm:CurrentLocation">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Current location of physical entity</Description>
        <Type>String100</Type>
    </CurrentLocation>
    <Custodian id="sys:prm:Custodian">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>Current physical entity custodian; internal personnel if
status is 'CheckedIn' [normally Owner] or external if status is 'CheckedOut'</Description>
        <Type>String100</Type>
    </Custodian>
    <ReturnDue id="sys:prm:ReturnDue">
        <Options appendOnly="false" fullTextIndexed="false"
includedInAIP="false" inherited="true" multiValue="false" nonEmpty="false" pickList="false"
public="false" readOnly="false" readOnlyAfterCheckIn="false" readOnlyAfterCreate="false"
required="false" searchable="true" unique="false" versionable="false"/>
        <Description>The date when 'CheckedOut' physical entity is due to be
'CheckedIn'</Description>
        <Type>Date</Type>
    </ReturnDue>
</PhysicalProperties>
</SystemProperties>
</Template>
</TemplatesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.9 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.

## 5.9.1 Directory entities or directory entity read

Operation reads directory entities or directory entity.

### Request

See chapter [DirectoryEntitiesReadRequest](#)

### Response

See chapter [DirectoryEntitiesReadResponse](#)

### Example of the directory entities or directory entity read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntitiesReadRequest>
      <ser:SessionToken>4XOS6OpaitBf0ThCh77UMWKruGa0SSCdEFRehtn7</ser:SessionToken>
    </ser:DirectoryEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Size>3</Size>
      <DirectoryEntity id="IMiS Users">
        <FirstName/>
        <LastName/>
        <Description/>
        <Email/>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
      <DirectoryEntity id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Description>Archive administrator</Description>
        <Email>admin@acme.com</Email>
```

```

    <SecurityClassLevel>1</SecurityClassLevel>
    <Type>User</Type>
    <Deleted>>false</Deleted>
    <Enabled>>true</Enabled>
    <Created>2019-10-07T13:30:00.338Z</Created>
    <CreatedBy id="sys:Server">
      <FirstName/>
      <LastName>System Service</LastName>
      <Email/>
    </CreatedBy>
    <Modified>2019-10-08T06:30:00.236Z</Modified>
    <ModifiedBy id="sys:Server">
      <FirstName/>
      <LastName>System Service</LastName>
      <Email/>
    </ModifiedBy>
  </DirectoryEntity>
  <DirectoryEntity id="anelson">
    <FirstName>Alex</FirstName>
    <LastName>Nelson</LastName>
    <Description>Sales - Controlling</Description>
    <Email>alex.nelson@acme.com</Email>
    <SecurityClassLevel>Restricted</SecurityClassLevel>
    <Type>User</Type>
    <Deleted>>false</Deleted>
    <Enabled>>true</Enabled>
    <Created>2019-10-07T13:30:00.338Z</Created>
    <CreatedBy id="sys:Server">
      <FirstName/>
      <LastName>System Service</LastName>
      <Email/>
    </CreatedBy>
    <Modified>2019-10-08T06:30:00.236Z</Modified>
    <ModifiedBy id="sys:Server">
      <FirstName/>
      <LastName>System Service</LastName>
      <Email/>
    </ModifiedBy>
  </DirectoryEntity>
</DirectoryEntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## Example of the directory entity search

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntitiesReadRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CVW79P</ser:SessionToken>
      <ser:IncludeAvatar>true</ser:IncludeAvatar>
      <ser:PageStart>0</ser:PageStart>
      <ser:PageSize>2</ser:PageSize>
      <ser:Search>admin</ser:Search>
    </ser:DirectoryEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>4</Size>
      <DirectoryEntity id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Description>Archive administrator</Description>
        <Email>admin@acme.com</Email>
        <SecurityClassLevel>1</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Avatar>iVBORw0KGgoAAAANSUheUgAAAIAAAAhkiAAAAA1VORK5CYII=</Avatar>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
      <DirectoryEntity id="cirwin">
        <FirstName>Caroline</FirstName>
        <LastName>Irwin</LastName>
        <Description>IT - System Administration 1</Description>
        <Email>caroline.irwin@acme.com</Email>
        <SecurityClassLevel>Confidential</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-03T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
    </DirectoryEntitiesReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.9.2 Directory entity members read

Operation reads members of the selected directory entity group.

### Request

See chapter [DirectoryEntityMembersReadRequest](#)

### Response

See chapter [DirectoryEntitiesReadResponse](#)

### Example of the members of the selected directory entity group read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntityMembersReadRequest>
      <ser:SessionToken>qc9g0OCehwOki5sjWXtmn5MZAwl7XSWvzVC8CWoP</ser:SessionToken>
      <ser:Id>users</ser:Id>
    </ser:DirectoryEntityMembersReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntityMembersReadResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <DirectoryEntity id="it">
        <FirstName/>
        <LastName>IT</LastName>
        <Description/>
        <Email>it@acme.com</Email>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
      <DirectoryEntity id="maintenance">
        <FirstName/>
        <LastName>Maintenance</LastName>
        <Description/>
```

```

<Email>maint@acme.com</Email>
<SecurityClassLevel>Unspecified</SecurityClassLevel>
<Type>Group</Type>
<Deleted>>false</Deleted>
<Enabled>>true</Enabled>
<Created>2019-10-07T13:30:00.338Z</Created>
<CreatedBy id="sys:Server">
  <FirstName/>
  <LastName>System Service</LastName>
  <Email/>
</CreatedBy>
<Modified>2019-10-08T06:30:00.236Z</Modified>
<ModifiedBy id="sys:Server">
  <FirstName/>
  <LastName>System Service</LastName>
  <Email/>
</ModifiedBy>
</DirectoryEntity>
<DirectoryEntity id="sales">
  <FirstName/>
  <LastName>Sales</LastName>
  <Description/>
  <Email>sales@acme.com</Email>
  <SecurityClassLevel>Unspecified</SecurityClassLevel>
  <Type>Group</Type>
  <Deleted>>false</Deleted>
  <Enabled>>true</Enabled>
  <Created>2019-10-07T13:30:00.338Z</Created>
  <CreatedBy id="sys:Server">
    <FirstName/>
    <LastName>System Service</LastName>
    <Email/>
  </CreatedBy>
  <Modified>2019-10-08T06:30:00.236Z</Modified>
  <ModifiedBy id="sys:Server">
    <FirstName/>
    <LastName>System Service</LastName>
    <Email/>
  </ModifiedBy>
</DirectoryEntity>
</DirectoryEntityMembersReadResponse>
</S:Body>
</S:Envelope>

```

### 5.9.3 Current user read

Operation obtains a directory entity of current user.

#### Request

See chapter [AccountReadRequest](#)

#### Response

See chapter [AccountReadResponse](#)

**Example of the current user read****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:AccountReadRequest>
      <ser:SessionToken>d1409063-8631-41c6-87bc-30fb57f94d48</ser:SessionToken>
    </ser:AccountReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <AccountReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DirectoryEntity id="kclay">
        <FirstName>Keira</FirstName>
        <LastName>Clay</LastName>
        <Description>IT - Human Resources assistance</Description>
        <Email>keira.clay@acme.com</Email>
        <SecurityClassLevel>Top Secret</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
        <DescriptionEditable>>true</DescriptionEditable>
        <EmailEditable>>true</EmailEditable>
        <FirstNameEditable>>true</FirstNameEditable>
        <IconEditable>>true</IconEditable>
        <LastNameEditable>>true</LastNameEditable>
      </DirectoryEntity>
    </AccountReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.9.4 Password update

Operation changes a password of current user.

### Request

See chapter [AccountChangePasswordRequest](#)

### Response

See chapter [AccountChangePasswordResponse](#)

### Example of the password update

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:AccountChangePasswordRequest>
      <ser:SessionToken>6525ca34-d25f-47bf-bb81-46e4c5aa2ef4</ser:SessionToken>
      <ser:OldPassword>geslo</ser:OldPassword>
      <ser:NewPassword>geslo1</ser:NewPassword>
    </ser:AccountChangePasswordRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

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

## 5.10 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.

## 5.10.1 Entity retention policies or policy read

Operation reads an entity retention policies.

### Request

See chapter [RetentionPoliciesReadRequest](#)

### Response

See chapter [RetentionPoliciesReadResponse](#)

### Example of the entity retention policies read

#### Request

```
<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

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <RetentionPoliciesReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <RetentionPolicy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO601b01C_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="C6bEPbl08V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk">
        <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>
```

## 5.10.2 Entity retention policy objects read

Operation reads an entity retention policy objects.

### Request

See chapter [RetentionPolicyObjectsReadRequest](#)

### Response

See chapter [RetentionPolicyObjectsReadResponse](#)

### Example of the entity retention policy objects read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:RetentionPolicyObjectsReadRequest>
      <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</ser:SessionToken>
      <ser:Id>VatMcHFfEAF6tYBh_w-xWoYsr2gfhjCiQXlOZF-W8BpE</ser:Id>
    </ser:RetentionPolicyObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<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>
```

### 5.10.3 Entity retention policy audit log read

Operation reads an entity retention policy audit log.

#### Request

See chapter [RetentionPolicyAuditLogReadRequest](#)

#### Response

See chapter [AuditLogReadResponse](#)

### Example of the entity retention policy audit log read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:RetentionPolicyAuditLogReadRequest>
      <ser:SessionToken>zJn3h3G5ozBZrlp27XvtvmjfdXCTSOvqZahBbX4S</ser:SessionToken>
      <ser:Id>5CobtV-H1DNFXeph2W3lGEafgazOvtfp</ser:Id>
    </ser:RetentionPolicyAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <RetentionPolicyAuditLogReadResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:27:24Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:27:24Z" type="ContentPartSave">
        <Details>Research report_Perception of Income requirements in retirement
[h8bwNAiVUjhc9Q32itlL7NVB8HnpZmL2]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:27:24Z" type="ContentPartCreate">
        <Details>Research report_Perception of Income requirements in retirement
[h8bwNAiVUjhc9Q32itlL7NVB8HnpZmL2]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
```

```

        <Type>User</Type>
      </User>
    </Event>
    <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:26:45Z" type="EntitySave">
      <User id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Email>admin@acme.com</Email>
        <Type>User</Type>
      </User>
    </Event>
    <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:26:45Z" type="PropertyValueChange">
      <Details>Changed properties: sys:ret:pol:Trigger</Details>
      <User id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Email>admin@acme.com</Email>
        <Type>User</Type>
      </User>
    </Event>
    <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="EntitySave">
      <User id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Email>admin@acme.com</Email>
        <Type>User</Type>
      </User>
    </Event>
    <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="PropertyValueChange">
      <Details>Changed properties: sys:Creator, sys:Description, sys>Title,
sys:ret:pol:Action, sys:ret:pol:DetailedDescription, sys:ret:pol:Reason,
sys:ret:pol:Trigger</Details>
      <User id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Email>admin@acme.com</Email>
        <Type>User</Type>
      </User>
    </Event>
    <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="EntityCreate">
      <User id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Email>admin@acme.com</Email>
        <Type>User</Type>
      </User>
    </Event>
  </RetentionPolicyAuditLogReadResponse>
</S:Body>
</S:Envelope>

```

## 5.11 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.

### 5.11.1 Entity content object read

Object provides request to read the entity content object.

#### Request

See chapter [EntityObjectReadRequest](#)

#### Response

See chapter [EntityObjectReadResponse](#)

#### Example of the entity content object read

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectReadRequest>
      <ser:SessionToken>Okabh6g3T6o0qKyVBzKwT00wVB6tNrthpvkiUPYZ</ser:SessionToken>
      <ser:Id>jj1qxXgq1DTZp4SB3YKkLI00Sg2pJCgj</ser:Id>
    </ser:EntityObjectReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="8trsGUUPfqikVSU0_MGgRYwx1-RNDnJ7">
        <Description>signed.pdf</Description>
        <Size>46155</Size>
        <ChildCount>0</ChildCount>
        <Indexed>true</Indexed>
        <Signed>true</Signed>
        <Created>2018-11-28T11:56:42.960Z</Created>
        <Accessed>2018-12-03T12:16:39.402Z</Accessed>
        <Modified>2018-11-28T11:56:42.960Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>

        <Content>JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9DcmVhdGlvbkRhdGUoRDoYMDEyMTAyOTE1MzU0MyswMScwMCC
        pL1Byb2R1Y2VyKFBERiBYcGFuc2lvbiA4Ljg...</Content>
      </Object>
    </EntityObjectReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.2 Entity content object create

Operation creates an entity content object.

### Request

See chapter [EntityObjectCreateRequest](#)

### Response

See chapter [EntityObjectCreateResponse](#)

## Example of the entity content object create

### Request

```
<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

```
<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>
```

### 5.11.3 Content object update

Operation updates an entity content and description.

#### Request

See chapter [EntityObjectUpdateRequest](#)

#### Response

See chapter [EntityObjectUpdateResponse](#)

### Example of the entity content object update

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectUpdateRequest>
      <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
      <ser:Object id="100707411">
        <ser:Description>Organizational_chart_Production.tiff</ser:Description>
        <ser:Content>YXNkZmEgYXNkZiBhc2Rm</ser:Content>
      </ser:Object>
    </ser:EntityObjectUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectUpdateResponse xmlns="http://www.imis.si/storageconnector/services">
      <Object id="100707411">
        <Description>Organizational_chart_Production.tiff</Description>
        <Size>15</Size>
        <Created>2016-10-10T11:18:02.493Z</Created>
        <Accessed>2016-10-10T14:02:57.697Z</Accessed>
        <Modified>2016-10-10T14:02:57.715Z</Modified>
        <ContentType>image/tiff</ContentType>
        <Extension>.tif</Extension>
      </Object>
    </EntityObjectUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.4 Entity content object delete

Operation deletes an entity content object.

### Request

See chapter [EntityObjectDeleteRequest](#)

### Response

See chapter [EntityObjectDeleteResponse](#)

## Example of the entity content object delete

### Request

```
<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

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

## 5.11.5 Entity object move

Operation moves an entity object.

### Request

See chapter [EntityObjectMoveRequest](#)

### Response

See chapter [EntityObjectMoveResponse](#)

## Example of the entity object move

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectMoveRequest>
      <ser:SessionToken>63060cf9-b244-473e-bbaf-80dcf839f9c9</ser:SessionToken>
      <ser:Id
type="Internal">70f0c8b8a3f18ee7dd6df55e5a86fc923be04a6f1b80597c5a26af00e05c1c89</ser:Id>

      <ser:ObjectId>feeac0611ae73d47f08a228c633be2754e0862a8c8016553d4c27b172b66d526</ser:Object
Id>
      <ser:ParentId
type="Internal">736d7d555fedf0edde3afa6d6b8357fce245839defcb9b8bd61607f68fa8cd58</ser:Parent
Id>
    </ser:EntityObjectMoveRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectMoveResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="feeac0611ae73d47f08a228c633be2754e0862a8c8016553d4c27b172b66d526">
        <Description>AIMAG_OCR.pdf</Description>
        <Size>265957</Size>
        <ChildCount>0</ChildCount>
        <Indexed>>false</Indexed>
        <Signed>>false</Signed>
        <Created>2017-08-28T11:45:47.620Z</Created>
        <Accessed>2017-08-28T11:45:47.620Z</Accessed>
        <Modified>2017-08-28T11:45:47.620Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
    </EntityObjectMoveResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.6 Entity object copy

Operation copies an entity object.

### Request

See chapter [EntityObjectCopyRequest](#)

### Response

See chapter [EntityObjectCopyResponse](#)

## Example of the entity object copy

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectCopyRequest>
      <ser:SessionToken>0cbd1168-063f-4a17-a9f2-90bcb33d2369</ser:SessionToken>
      <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cble3c733fc9718fbd1cbe996985b0d3</ser:Id>

      <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390</ser:Object
Id>
      <ser:ParentId
type="Internal">25d61795ed3e08e89251eda8212c76f6cble3c733fc9718fbd1cbe996985b0d3</ser:Parent
Id>
      <ser:Description>test1</ser:Description>
    </ser:EntityObjectCopyRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectCopyResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="0a368b513a7f0b49cf31b08c4df75381964dc74e357ca8b41e7e17797a2f53ab">
        <Description>test1</Description>
        <Size>74714</Size>
        <ChildCount>0</ChildCount>
        <Indexed>>false</Indexed>
        <Signed>>false</Signed>
        <Created>2017-12-11T11:38:40.687Z</Created>
        <Accessed>2017-12-11T11:38:40.687Z</Accessed>
        <Modified>2017-12-11T11:38:40.687Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
    </EntityObjectCopyResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.7 Entity object management

Operation marks an entity object for later indexing or conversion.

### Request

See chapter [EntityObjectManageRequest](#)

### Response

See chapter [EntityObjectManageResponse](#)

## Example of the entity object management

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectManageRequest>
      <ser:SessionToken>236f2f3d-6d46-49ec-b22a-40f7a3c42303</ser:SessionToken>
      <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

      <ser:ObjectId>7b35df392db058cb6893d4eebf99232c97c1aec791a5fbdab120b2d005c82aec</ser:Object
Id>
      <ser:QueueForIndexing>true</ser:QueueForIndexing>
      <ser:QueueForConversion>true</ser:QueueForConversion>
    </ser:EntityObjectManageRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectManageResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="7b35df392db058cb6893d4eebf99232c97c1aec791a5fbdab120b2d005c82aec">
        <Description>IMiSOCR.rtf</Description>
        <Size>6658</Size>
        <ChildCount>1</ChildCount>
        <Indexed>>false</Indexed>
        <Signed>>false</Signed>
        <Created>2017-07-20T08:03:08.749Z</Created>
        <Accessed>2017-12-11T11:03:16.554Z</Accessed>
        <Modified>2017-07-20T08:03:08.749Z</Modified>
        <ContentType>text/rtf</ContentType>
        <Extension>.rtf</Extension>
      </Object>
    </EntityObjectManageResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.8 Entity object detach

Operation detaches an entity object.

### Request

See chapter [EntityObjectDetachRequest](#)

### Response

See chapter [EntityObjectDetachResponse](#)

## Example of the entity object detach

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectDetachRequest>
      <ser:SessionToken>5df51072-6c52-4683-b678-ce0241cea0fe</ser:SessionToken>
      <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

      <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cd1a9390</ser:Object
Id>
    </ser:EntityObjectDetachRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectDetachResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cd1a9390">
        <Description>test1p.pdf</Description>
        <Size>74714</Size>
        <ChildCount>0</ChildCount>
        <Indexed>false</Indexed>
        <Signed>false</Signed>
        <Created>2017-07-19T12:08:32.213Z</Created>
        <Accessed>2017-07-19T12:08:32.213Z</Accessed>
        <Modified>2017-07-19T12:08:32.213Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
    </EntityObjectDetachResponse>
  </S:Body>
</S:Envelope>
```

## Example

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectDetachRequest>
      <ser:SessionToken>5df51072-6c52-4683-b678-ce0241cea0fe</ser:SessionToken>
      <ser:Id
type="Internal">25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fbd1cbe996985b0d3</ser:Id>

      <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cd1a9390</ser:Object
Id>
    </ser:EntityObjectDetachRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>S:Server</faultcode>
      <faultstring>Server reported an error processing request (Reason:
code=ERR_IAS_ERROR, message='Value
'197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390' cannot be detached
because it is not contained under parent.')

```

## 5.12 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.

### 5.12.1 EntityNonrepudiationRead

Operation reads an entity authenticity and integrity proofs.

#### Request

See chapter [EntityNonrepudiationReadRequest](#)

#### Response

See chapter [EntityNonrepudiationReadResponse](#)

### Example of the entity authenticity and integrity proofs read

#### Request

```
<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>
```



## 5.13 Audit log

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

### 5.13.1 Entity audit log read

Operation reads an entity audit log.

#### Request

See chapter [EntityAuditLogReadRequest](#)

See chapter [AuditLogReadResponse](#)

#### Example of the entity audit log read

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityAuditLogReadRequest>
      <ser:SessionToken>wGHCMT6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>6Y4hxehBOR_C-wiGqGZ99zyrgercaXCm</ser:Id>
    </ser:EntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="169.254.237.238"
publicAddress="192.168.80.64" time="2018-11-27T12:30:02Z" type="EntityOpenReadOnly">
        <Delegate id="cirwin">
          <FirstName>Caroline</FirstName>
          <LastName>Irwin</LastName>
          <Email>caroline.irwin@acme.com</Email>
          <Type>User</Type>
        </Delegate>
        <User id="anelson">
          <FirstName>Alex</FirstName>
          <LastName>Nelson</LastName>
          <Email>alex.nelson@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </EntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

```

</Event>
<Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="StatusChange">
  <Details>Opened [1]</Details>
  <User id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </User>
</Event>
<Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="PropertyValueChange">
  <Details>Changed properties: sys:Title</Details>
  <User id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </User>
</Event>
<Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="RetentionChange">
  <Details>Added policies:'2 years'</Details>
  <User id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </User>
</Event>
<Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="EntityCreate">
  <User id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </User>
</Event>
</EntityAuditLogReadResponse>
</S:Body>
</S:Envelope>

```

### 5.13.2 Reading the entity audit log in different formats

Operation obtains information on the entity audit log in different formats (CSV and XML in the original form).

#### Request

See chapter [AuditLogRawReadRequest](#)

#### Response

See chapter [AuditLogRawReadResponse](#)

## Example of the entity audit log in different formats

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:AuditLogRawReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fply7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>q9uOxrl_VCmwraHqTau5QOXF5bTWHowM</ser:Id>
      <ser:Type>CSV</ser:Type>
    </ser:AuditLogRawReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <AuditLogRawReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <AuditLog>Time;User;Address;Computer;InternalAddress;EventType;EventDetails;Delegate
2018-11-27T07:32:37Z;admin;192.168.80.67;MARKOPC;192.168.80.67;ENTITY_OPEN_READ_WRITE;;
2018-11-27T07:32:12Z;admin;192.168.80.67;MARKOPC;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-23T11:15:04Z;kclay;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-23T11:15:03Z;kclay;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-
23T10:52:35Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
23T10:36:54Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-23T10:16:52Z;admin;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-
22T14:46:58Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
21T08:13:14Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
16T13:39:56Z;admin;192.168.50.15;apps01.imis.si;2a01:260:4086:1280:ec3f:24a9:b72:3621;ENTITY
_OPEN_READ_ONLY;;
2018-11-
15T09:39:32Z;admin;192.168.50.15;apps01.imis.si;192.168.80.51;ENTITY_OPEN_READ_ONLY;;
2018-11-
14T10:00:57Z;admin;192.168.50.15;apps01.imis.si;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-
14T09:08:14Z;admin;192.168.50.15;apps01.imis.si;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;ENTITY_SAVE;;
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;PROPERTY_VALUE_CHANGE
;Changed properties: sys:Creator, sys:Description, sys:Title;
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;RETENTION_CHANGE;Adde
d policies: 'Permanent';
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;ENTITY_CREATE;;</Audi
tLog>
    </AuditLogRawReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.14 Search

Search enables metadata and entity content search.

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

### 5.14.1 Entity search

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

#### Request

See chapter [EntitySearchRequest](#)

#### Response

See chapter [EntitySearchResponse](#)

**Example** of the entities full text search when search query is “test”.

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitySearchRequest>
      <ser:SessionToken>e5YBv80WKeaObQtHfyTVaZEJFbZmk5jbBtdw00cJu8C</ser:SessionToken>
      <ser:Expression>{test}</ser:Expression>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
        <ser:Refresh>false</ser:Refresh>
      </ser:Paging>
      <ser:MaxElements>10</ser:MaxElements>
    </ser:EntitySearchRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitySearchResponse xmlns="http://www.imis.eu/storageconnector/services">
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <SearchHit id="nxhEfAJJsEoEyDr0is9byf1DhC0bPxUdQ">
        <ClassificationCode>C=01^C=02^C=03^F=2019-000018^D=000001</ClassificationCode>
        <PublicClassificationCode>01.02.03-2019-000018/000001</PublicClassificationCode>
        <Title>Test</Title>
        <Type>Document</Type>
        <Description>3.363183.FEZJLH3ZML00AE1SISMP32A00T5TOUNMA</Description>
        <Object>
          <Description>00258.pdf</Description>
        </Object>
      </SearchHit>
      <SearchHit id="YCDKAjPA8Du3CFoH5bfeRyrbBkisZ-Ze">
        <ClassificationCode>C=01^C=02^C=03^F=2019-000021^D=000001</ClassificationCode>
        <PublicClassificationCode>01.02.03-2019-000021/000001</PublicClassificationCode>
        <Title>Anjam Conf Call 47 2321 2000 Grand Hotel, Oslo and my mobile number is 07747
868131</Title>
        <Type>Document</Type>
        <Description>3.363991.GROK5B2QWAUPYHNGF04BLLF3OP2AOV2GB</Description>
        <Object>
          <Description>00258.pdf</Description>
        </Object>
      </SearchHit>
      <Size>10</Size>
      <MaxElements>10</MaxElements>
      <Truncated>true</Truncated>
    </EntitySearchResponse>
  </S:Body>
</S:Envelope>

```

## 5.15 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.

### 5.15.1 Entity disposition hold read

Operation reads an entity disposition holds or disposition hold.

#### Request

See chapter [DispositionHoldsReadRequest](#)

#### Response

See chapter [DispositionHoldsReadResponse](#)

**Example of the entity disposition holds read**Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldsReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fply7UvSdzSh4aHn4kh34</ser:SessionToken>
    </ser:DispositionHoldsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DispositionHoldsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DispositionHold id="7i4QHR5OcoMJzr8EglUp5wGr3TS00ez">
        <Created>2018-11-13T10:02:00.000Z</Created>
        <Accessed>2018-11-13T10:02:00.000Z</Accessed>
        <Modified>2018-11-13T10:02:00.000Z</Modified>
        <Name>Legal procedure</Name>
        <Reason>Active legal procedure</Reason>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Description>Legal procedure in progress, material must be preserved until
finished</Description>
      </DispositionHold>
    </DispositionHoldsReadResponse>
  </S:Body>
</S:Envelope>
```

**5.15.2 Entity disposition hold audit log read**

Operation reads an entity disposition hold audit log.

Request

See chapter [DispositionHoldAuditLogReadRequest](#)

Response

See chapter [DispositionHoldAuditLogReadResponse](#)

**Example of the entity disposition hold audit log read****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldAuditLogReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfs2fply7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>7i4QHR5OcoMJzyr8EglUp5wGr3TS00ez</ser:Id>
    </ser:DispositionHoldAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DispositionHoldAuditLogReadResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:02:00Z"
type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:02:00Z"
type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Description, sys>Title,
sys:ret:hold:Reason</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:02:00Z"
type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </DispositionHoldAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.16 References

References link multiple entities.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### 5.16.1 Entity references read

Operation obtains a collection of entity references or an individual entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

#### Request

See chapter [EntityReferencesReadRequest](#)

#### Response

See chapter [EntityReferencesReadResponse](#)

#### Example of the entity references read

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferencesReadRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v40jng7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>5QB-MTdQdGaSk3M46TAaVGOPI904HzD6</ser:ReferenceId>
    </ser:EntityReferencesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferencesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T12:25:17.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="5oT3QvcUsRANCCVC0jGAC5CmlF-V00ct">
          <ClassificationCode>C=01</ClassificationCode>
          <PublicClassificationCode>01</PublicClassificationCode>
          <Title>Administration</Title>
          <Type>Class</Type>
          <Description>Company documentation and correspondence</Description>
          <Permanent>>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
```

```

    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </Creator>
  <Owner id="builder">
    <FirstName>builder</FirstName>
    <LastName/>
    <Email/>
    <Type>User</Type>
  </Owner>
  <Template id="Class">
    <Label>Class</Label>
    <EntityType>Class</EntityType>
  </Template>
  <Created>2018-11-13T12:26:58.000Z</Created>
  <Accessed>2018-12-03T10:34:24.000Z</Accessed>
  <Modified>2018-11-28T15:16:22.000Z</Modified>
  <ModifiedBy id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </ModifiedBy>
  <Opened>2018-11-13T12:26:58.000Z</Opened>
  <SecurityClass inherited="false">Restricted</SecurityClass>
  <Significance inherited="false"/>
  <Status inherited="true">Opened</Status>
  <Retention>
    <Policy id="6tYEePqNjXQcdXj1Xqd014IREiQxQfZJ">
      <Name>Permanent</Name>
      <Description>Permanent retention</Description>
      <ExplicitContext effective="true" scope="Allow">
        <Filter classes="true" documents="true" folders="true"/>
      </ExplicitContext>
    </Policy>
  </Retention>
  <SubEntityTemplate id="Class">
    <Label>Class</Label>
    <EntityType>Class</EntityType>
  </SubEntityTemplate>
  <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <AIP>true</AIP>
    <HasReferences>true</HasReferences>
    <Draft>false</Draft>
    <HasVersions>false</HasVersions>
    <HasDraft>false</HasDraft>
  </Entity>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <Id>5QB-MTdQdGaSk3M46TAaVGOPi904HzD6</Id>
    <Title/>
  </Reference>
</EntityReferencesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.16.2 Entity reference create

Operation creates a reference on a specific entity.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityReferenceCreateRequest](#)

### Response

See chapter [EntityReferenceCreateResponse](#)

## Example of the entity reference create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceCreateRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v40jng7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:Entry>lpsCplq8w32Mj_55qxDsQj9E6ChooTLe</ser:Entry>
    </ser:EntityReferenceCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T13:36:01.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="lpsCplq8w32Mj_55qxDsQj9E6ChooTLe">
          <ClassificationCode>C=04^C=04^F=2018-000001</ClassificationCode>
          <PublicClassificationCode>04.04-2018-000001</PublicClassificationCode>
          <Title>Folder 01</Title>
          <Type>Folder</Type>
          <Permanent>>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Template id="Case">
            <Label>Folder</Label>
            <EntityType>Folder</EntityType>
          </Template>
          <Created>2018-11-13T14:17:08.000Z</Created>
          <Accessed>2018-12-03T11:41:19.000Z</Accessed>
        </Entity>
      </Reference>
    </EntityReferenceCreateResponse>
  </S:Body>
</S:Envelope>
```

```

<Modified>2018-11-13T14:17:08.000Z</Modified>
<ModifiedBy id="admin">
  <FirstName/>
  <LastName>Administrator</LastName>
  <Email>admin@acme.com</Email>
  <Type>User</Type>
</ModifiedBy>
<Opened>2018-11-13T14:17:08.000Z</Opened>
<SecurityClass inherited="true">Confidential</SecurityClass>
<Significance inherited="true"/>
<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ">
    <Name>Permanent</Name>
    <Description>Permanent retention</Description>
    <InheritedContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </InheritedContext>
  </Policy>
  <DispositionHold id="7i4QHR5OcoMJzr8EglUp5wGr3TSO0ez">
    <Name>Legal procedure</Name>
    <Description>Legal procedure in progress, material must be preserved until
finished</Description>
    <Inherited>true</Inherited>
  </DispositionHold>
</Retention>
<SubEntityTemplate id="FiledDocument">
  <Label>Filed document</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="FiledEmail">
  <Label>Filed E-mail</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<ParentId type="Internal">nv0xc74u-hTwDDzinB4ogq6T7VUjyAxR</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
    <Description>Action activated after date/time</Description>
    <Type>DateTime</Type>
    <Inherited>false</Inherited>
  </Property>
  <AIP>true</AIP>
  <HasReferences>true</HasReferences>
  <Draft>false</Draft>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Id>4z-crK8xh6TufNc6m4piEEoJUrUq3ImS</Id>
  <Title/>
</Reference>
</EntityReferenceCreateResponse>
</S:Body>
</S:Envelope>

```

## 5.16.3 Entity reference update

Operation updates an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityReferenceUpdateRequest](#)

### Response

See chapter [EntityReferenceCreateResponse](#)

### Example of the entity reference update

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceUpdateRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v40jng7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>4z-crK8xh6TufNc6m4piEEoJUUrUq3ImS</ser:ReferenceId>
      <ser:Title>Ref</ser:Title>
      <ser:Entry>lpsCplq8w32Mj_55qxDsQj9E6ChooTLe</ser:Entry>
    </ser:EntityReferenceUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T13:36:01.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="lpsCplq8w32Mj_55qxDsQj9E6ChooTLe">
          <ClassificationCode>C=04^C=04^F=2018-000001</ClassificationCode>
          <PublicClassificationCode>04.04-2018-000001</PublicClassificationCode>
          <Title>Folder 01</Title>
          <Type>Folder</Type>
          <Permanent>>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Template id="Case">
            <Label>Folder</Label>
            <EntityType>Folder</EntityType>
          </Template>
        </Entity>
      </Reference>
    </EntityReferenceUpdateResponse>
  </S:Body>
</S:Envelope>
```

```

</Template>
<Created>2018-11-13T14:17:08.000Z</Created>
<Accessed>2018-12-03T11:41:19.000Z</Accessed>
<Modified>2018-11-13T14:17:08.000Z</Modified>
<ModifiedBy id="admin">
  <FirstName/>
  <LastName>Administrator</LastName>
  <Email>admin@acme.com</Email>
  <Type>User</Type>
</ModifiedBy>
<Opened>2018-11-13T14:17:08.000Z</Opened>
<SecurityClass inherited="true">Confidential</SecurityClass>
<Significance inherited="true"/>
<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="6tYEePqNjXQcdXj1Xqd014IREiQxQfZJ">
    <Name>Permanent</Name>
    <Description>Permanent retention</Description>
    <InheritedContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </InheritedContext>
  </Policy>
  <DispositionHold id="7i4QHR50coMJzyr8EglUp5wGr3TS00ez">
    <Name>Legal procedure</Name>
    <Description>Legal procedure in progress, material must be preserved until
finished</Description>
    <Inherited>true</Inherited>
  </DispositionHold>
</Retention>
<SubEntityTemplate id="FiledDocument">
  <Label>Filed document</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="FiledEmail">
  <Label>Filed E-mail</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<ParentId type="Internal">nv0xc74u-hTwDDzinB4oqg6T7VUjyAxR</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
    <Description>Action activated after date/time</Description>
    <Type>DateTime</Type>
    <Inherited>false</Inherited>
  </Property>
  <AIP>true</AIP>
  <HasReferences>true</HasReferences>
  <Draft>false</Draft>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Id>4z-crK8xh6TufNc6m4piEEoJUUrUq3ImS</Id>
  <Title>Ref</Title>
</Reference>
</EntityReferenceUpdateResponse>
</S:Body>
</S:Envelope>

```

## 5.16.4 Entity reference delete

Operation deletes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityReferenceDeleteRequest](#)

### Response

See chapter [EntityReferenceDeleteResponse](#)

## Example of the entity reference delete

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceDeleteRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v40jng7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>4z-crK8xh6TufNc6m4piEEoJUruQ3ImS</ser:ReferenceId>
    </ser:EntityReferenceDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.17 Versioning

The versioning of entities enables the reading of all entity versions, creating, and checking out and checking in an entity draft. Creating a new entity version is done by creating a draft that can be modified and by checking out the draft which creates a new entity version.

Versioning is defined by a template, in which specific properties enable versioning and can be modified in drafts. Each version has a sequence version number, with which we can read, edit, delete and check out drafts from a specific version. Compatibility: IMiS®/ARChive Server 9.9 or higher.

## 5.17.1 Entity version read

Operation reads an entity versions.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityVersionsReadRequest](#)

### Response

See chapter [EntityVersionsReadResponse](#)

## Example of the entity version read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityVersionsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw</ser:Id>
    </ser:EntityVersionsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityVersionsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Version id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Modified>2018-12-04T11:03:16.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true">Confidential</SecurityClass>
        <Significance inherited="true"/>
      </Version>
    </EntityVersionsReadResponse>
  </S:Body>
</S:Envelope>
```

```

    <ParentId type="Internal">0Q2gCohiZi5af0xHHaGrx2zkMDXRmiUV</ParentId>
    <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <AIP>true</AIP>
    <HasReferences>>false</HasReferences>
    <VersionLabel>2.1</VersionLabel>
    <Version>3</Version>
    <HasVersions>true</HasVersions>
    <HasDraft>>false</HasDraft>
  </Version>
  <Version id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
    <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
    <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
    <Title>Doc 02</Title>
    <Type>Document</Type>
    <Permanent>>false</Permanent>
    <ChildCount>0</ChildCount>
    <Creator id="admin">
      <FirstName/>
      <LastName>Administrator</LastName>
      <Email>admin@acme.com</Email>
      <Type>User</Type>
    </Creator>
    <Template id="FiledDocument">
      <Label>Filed document</Label>
      <EntityType>Document</EntityType>
    </Template>
    <Created>2018-11-29T10:56:37.000Z</Created>
    <Accessed>2018-12-04T11:03:13.000Z</Accessed>
    <Modified>2018-12-04T11:02:59.000Z</Modified>
    <ModifiedBy id="admin">
      <FirstName/>
      <LastName>Administrator</LastName>
      <Email>admin@acme.com</Email>
      <Type>User</Type>
    </ModifiedBy>
    <SecurityClass inherited="true">Confidential</SecurityClass>
    <Significance inherited="true"/>
    <ParentId type="Internal">0Q2gCohiZi5af0xHHaGrx2zkMDXRmiUV</ParentId>
    <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <AIP>true</AIP>
    <HasReferences>>false</HasReferences>
    <VersionLabel>2</VersionLabel>
    <Version>2</Version>
    <HasVersions>true</HasVersions>
    <HasDraft>>false</HasDraft>
  </Version>
  <Version id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
    <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
    <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
    <Title>Doc 02</Title>
    <Type>Document</Type>
    <Permanent>>false</Permanent>
    <ChildCount>0</ChildCount>
    <Creator id="admin">
      <FirstName/>
      <LastName>Administrator</LastName>
      <Email>admin@acme.com</Email>
      <Type>User</Type>
    </Creator>
    <Template id="FiledDocument">
      <Label>Filed document</Label>
      <EntityType>Document</EntityType>
    </Template>
    <Created>2018-11-29T10:56:37.000Z</Created>
    <Accessed>2018-12-04T11:02:56.000Z</Accessed>
    <Modified>2018-11-29T10:56:37.000Z</Modified>
    <ModifiedBy id="admin">

```

```

    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </ModifiedBy>
  <SecurityClass inherited="true">Confidential</SecurityClass>
  <Significance inherited="true"/>
  <ParentId type="Internal">0Q2gCohiZi5af0xHHaGrx2zkMDXRmiUV</ParentId>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>true</AIP>
  <HasReferences>false</HasReferences>
  <VersionLabel>1</VersionLabel>
  <Version>1</Version>
  <HasVersions>true</HasVersions>
  <HasDraft>false</HasDraft>
</Version>
</EntityVersionsReadResponse>
</S:Body>
</S:Envelope>

```

### 5.17.2 Entity drafts read

Operation reads an entity drafts.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

#### Request

See chapter [CollectionReadRequest](#)

#### Response

See chapter [DraftsReadResponse](#)

### Example of the entity drafts read

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
    </ser:DraftsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DraftStub id="YSGW10NkOPL3ZXXJtDLzAJMSy001nAwq">
        <Title>1Conf call re Fontheim Int'l Call in # 888-285-4585 code 755605</Title>
        <Type>Document</Type>
        <Description>3.1085934.EHTVXHRPKZTNWGSKOZUG5ZEUMJFFSRRSA</Description>
      </DraftStub>
      <DraftStub id="QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0">
        <Title>OPTION EXERCISE!</Title>
        <Type>Document</Type>
        <Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWIIA00EA</Description>
      </DraftStub>
      <DraftStub id="7AuIpwC-E9FNjS-HJo6Ew7zjC6gr2Ac">
        <Title>Dokument 621</Title>
        <Type>Document</Type>
        <Description>opis dokumenta</Description>
      </DraftStub>
      <Size>3</Size>
    </DraftsReadResponse>
  </S:Body>
</S:Envelope>
```

### 5.17.3 Entity draft public information read

Object provides request to read the entity draft public information.

#### Request

See chapter [DraftStubReadRequest](#)

#### Response

See chapter [DraftStubReadResponse](#)

### Example of the entity draft public information read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftStubReadRequest>
      <ser:SessionToken>qyCjpbU746kgLEjudbveR2faxk0ja</ser:SessionToken>
      <ser:Id>YSGW10NkOPL3ZXXJtDLzAJMSy001nAwq</ser:Id>
    </ser:DraftStubReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftStubReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DraftStub id="YSGW10NkOPL3ZXXJtDLzAJMSy001nAwq">
        <Title>1Conf call re Fontheim Int'l Call in # 888-285-4585 code 755605</Title>
        <Type>Document</Type>
        <Description>3.1085934.EHTVXHRPKZTNWGSKOZUG5ZEUMJFFSRRSA</Description>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-04-25T12:28:03.220Z</Created>
        <Accessed>2019-05-06T07:00:14.703Z</Accessed>
        <Modified>2019-05-06T06:52:47.392Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
      </DraftStub>
    </DraftStubReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.17.4 Entity draft check out

Operation checks out an entity draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [CheckOutRequest](#)

### Response

See chapter [EntityStubReadResponse](#)

## Example of the entity draft create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:CheckoutRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw</ser:Id>
    </ser:CheckoutRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <CheckoutResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="8gm2KZyG8jI4lUkmcheEVOglOsKRg9ND">
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-12-04T11:09:11.000Z</Created>
        <Accessed>2018-12-04T11:09:11.000Z</Accessed>
        <Modified>2018-12-04T11:09:11.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <ParentId type="Internal">CH1FvxGctDeOoZo87OXnQiXlr770QMch</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>>false</AIP>
        <HasReferences>>false</HasReferences>
        <Draft>true</Draft>
        <HasVersions>>false</HasVersions>
        <HasDraft>>false</HasDraft>
      </EntityStub>
    </CheckoutResponse>
  </S:Body>
</S:Envelope>
```

## 5.17.5 Entity draft check in

Operation checks in a draft. Changes to the draft will be saved to the entity from which the draft was created.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [CheckInRequest](#)

### Response

See chapter [DraftStubReadResponse](#)

## Example of the entity draft check in

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:CheckInRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>8gM2KZyG8jI4lUkmcheEVOglOsKRg9ND</ser:Id>
      <ser:Position>1</ser:Position>
    </ser:CheckInRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <CheckInResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVkaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Modified>2018-12-04T11:11:43.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
      </EntityStub>
    </CheckInResponse>
  </S:Body>
</S:Envelope>
```

```

    </ModifiedBy>
    <SecurityClass inherited="true">Confidential</SecurityClass>
    <Significance inherited="true"/>
    <ParentId type="Internal">0Q2gCohiZi5af0xHHaGrx2zkMDXRmiUV</ParentId>
    <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <AIP>true</AIP>
    <HasReferences>false</HasReferences>
    <VersionLabel>2.2</VersionLabel>
    <Version>4</Version>
    <HasVersions>true</HasVersions>
    <HasDraft>false</HasDraft>
  </EntityStub>
</CheckInResponse>
</S:Body>
</S:Envelope>

```

### 5.17.6 Entity draft discard

Operation discards an entity draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

#### Request

See chapter [DraftDiscardRequest](#)

#### Response

See chapter [DraftDiscardResponse](#)

### Example of the entity draft discard

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftDiscardRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Id>07r3oiS1DDtUsrio5DaOkuXrcDzQtufB</ser:Id>
    </ser:DraftDiscardRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response

```

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

```

## 5.17.7 Entity draft open

The operation opens an entity draft for reading or editing and returns a unique identifier of the open draft, which carries out different operations.

### Request

See chapter [DraftOpenRequest](#)

### Response

See chapter [EntityOpenResponse](#)

### Example of the entity draft open for reading

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftOpenRequest>
      <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
      <ser:Id>QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0</ser:Id>
      <ser:EditMode>>false</ser:EditMode>
    </ser:DraftOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Id type="Handle">Q1P30EfXNpLaMg6P</Id>
    </DraftOpenResponse>
  </S:Body>
</S:Envelope>
```

### Example of the entity draft open for editing

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftOpenRequest>
      <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
      <ser:Id>QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0</ser:Id>
      <ser:EditMode>>true</ser:EditMode>
    </ser:DraftOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Id type="Handle">jZFNB50N58YqOZJb</Id>
    </DraftOpenResponse>
  </S:Body>
</S:Envelope>
```

## 5.17.8 Entity draft close

The operation closes an open entity draft, which is closed with the unique identifier acquired when opening for reading or editing. In the close operation, the response is without content; the success of the operation is demonstrated with the status of the response.

### Request

See chapter [EntityCloseRequest](#)

### Response

See chapter [EntityCloseResponse](#)

## Example of the entity draft close

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftCloseRequest>
      <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
      <Id type="Handle">jZFNB50N58YqOZJb</Id>
    </ser:DraftCloseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.17.9 Entity draft read

Operation reads an entity draft.

### Request

See chapter [DraftReadRequest](#)

### Response

See chapter [DraftReadResponse](#)

### Example of the entity draft read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftReadRequest>
      <ser:SessionToken>vnq2oUHz7XxEjTeREL2kV7F1EHZB9XbCkeAa19wn4r</ser:SessionToken>
      <ser:Id>QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0</ser:Id>
    </ser:DraftReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Draft id="QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0">
        <Title>OPTION EXERCISE!</Title>
        <Type>Document</Type>
        <Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWI1AOOEA</Description>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-04-26T09:45:13.196Z</Created>
        <Accessed>2019-05-10T07:21:57.733Z</Accessed>
        <Modified>2019-04-26T09:52:12.257Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
      </Draft>
    </DraftReadResponse>
  </S:Body>
</S:Envelope>
```

```

    <Keyword>new</Keyword>
    <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <PhysicalProperties/>
    <Object id="189fczfVDFeeJp6dZOSiHYLygu5s_x6c">
      <Description>03644.pdf</Description>
      <Size>346432</Size>
      <ChildCount>0</ChildCount>
      <Indexed>>false</Indexed>
      <Signed>>false</Signed>
      <Created>2019-04-26T09:45:13.197Z</Created>
      <Accessed>2019-04-26T09:45:13.197Z</Accessed>
      <Modified>2019-04-26T09:45:13.197Z</Modified>
      <ContentType>application/pdf</ContentType>
      <Extension>.pdf</Extension>
    </Object>
  </Draft>
</DraftReadResponse>
</S:Body>
</S:Envelope>

```

### 5.17.10 Entity draft update

Operation updates an entity draft.

#### Request

See chapter [DraftUpdateRequest](#)

#### Response

See chapter [DraftReadResponse](#)

### Example of the entity draft update

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftUpdateRequest>
      <ser:SessionToken>vnq2oUH7XxEjTeREL2kZ9KhBvV7F1EHZB9XbCkeAa19wn4r</ser:SessionToken>
      <ser:Id>QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0</ser:Id>
      <ser:DraftUpdate>
        <ser:Title>OPTION EXERCISE</ser:Title>
        <ser:Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWIlA00EA</ser:Description>
      </ser:DraftUpdate>
    </ser:DraftUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Draft id="QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0">
        <Title>OPTION EXERCISE</Title>
        <Type>Document</Type>
        <Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWI1A00EA</Description>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-04-26T09:45:13.196Z</Created>
        <Accessed>2019-05-10T07:21:57.733Z</Accessed>
        <Modified>2019-05-10T07:51:05.832Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Keyword>new</Keyword>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <PhysicalProperties/>
        <Object id="189fczfVDFeeJp6dZOSiHYLygu5s_x6c">
          <Description>03644.pdf</Description>
          <Size>346432</Size>
          <ChildCount>0</ChildCount>
          <Indexed>>false</Indexed>
          <Signed>>false</Signed>
          <Created>2019-04-26T09:45:13.197Z</Created>
          <Accessed>2019-04-26T09:45:13.197Z</Accessed>
          <Modified>2019-04-26T09:45:13.197Z</Modified>
          <ContentType>application/pdf</ContentType>
          <Extension>.pdf</Extension>
        </Object>
      </Draft>
    </DraftUpdateResponse>
  </S:Body>
</S:Envelope>

```

### 5.17.11 Entity draft access rights read

Operation reads an entity draft access rights.

#### Request

See chapter [EntityACLReadRequest](#)

#### Response

See chapter [EntityACLReadResponse](#)

### 5.17.12 Entity draft access rights read for each directory entity

Operation reads an entity draft access rights for each directory entity.

#### Request

See chapter [EffectiveRightsReadRequest](#)

#### Response

See chapter [EffectiveRightsReadResponse](#)

### 5.17.13 Draft access rights create

Operation creates an entity draft access rights.

#### Request

See chapter [EntityACLEntriesCreateRequest](#)

#### Response

See chapter [EntityACLEntriesCreateResponse](#)

### 5.17.14 Entity draft or draft property access rights update

Operation updates an entity draft explicit access right to a draft or explicit access rights to the draft metadata.

#### Request

See chapter [EntityACLEntryUpdateRequest](#)

#### Response

See chapter [EntityACLEntryUpdateResponse](#)

### 5.17.15 Entity draft or draft property access rights delete

Operation deletes an entity draft or entity draft property explicit access right.

#### Request

See chapter [EntityACLDeleteEntryRequest](#)

#### Response

See chapter [EntityACLDeleteEntryResponse](#)

## 5.18 Import / Export

Users with the “ImportExport” role can export the entire classification scheme or only individual parts. All the metadata and content objects are exported for each entity, and optionally also its audit log and additional metadata. The latter are not a part of the entity metadata and are used only in the archiving process.

Below is a description of operations for importing and exporting entities.

## 5.18.1 Entities export

Operation exports entities.

### Request

See chapter [EntityExportRequest](#)

### Response

See chapter [EntityExportResponse](#)

## Example of the entities export

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityExportRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNkRs14YrFtNF0UdStvN7</ser:SessionToken>
      <ser:Id>aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw</ser:Id>
      <ser:Classes>true</ser:Classes>
      <ser:Documents>true</ser:Documents>
      <ser:Folders>true</ser:Folders>
    </ser:EntityExportRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityExportResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Output>UEsDBBQACAgIAPZihE0AAAAAAAAAAAAAAAAALAAAARXhwb3J0RGF0YS...</Output>
    </EntityExportResponse>
  </S:Body>
</S:Envelope>
```

## 5.18.2 Entities import

Operation imports entities.

### Request

See chapter [EntityImportRequest](#)

### Response

See chapter [EntityImportResponse](#)

### Example of the entities import

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityImportRequest>
      <ser:SessionToken>vnq2oUH7XxEjTeREL2kZ9KkeAa19wn4r</ser:SessionToken>
      <ser:Id>-QavMShq8w9A5s-3wk4fhAlBbHPcwFc</ser:Id>

      <ser:Data>UEsDBBQACAgIAA5Rqk4AAAAAAAAAAAAAAAAAAAAAAAAAAARXhwb3J0RGF0YS8DAFBLBwgAAAAAaGAAAAAABQSwMEFAAICAgADlGqTgAAAAAAAAAAAAAAAAABsAAABFeHBvcnREYXRhL2RvY3VtZW50XzFfMS5iaW4rSa0oAQBQSwIcx6eL0wYAAAAEAAAAUEsDBBQACAgIAA5Rqk4AAAAAAAAAAAAAAAAAAAAAAAAAAARXhwb3J0RGF0YS9kb2N1bWVudF8xLnhtbKVVS3PiOB
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```

```

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BvcnRSZXBvcnQueG1sUEsFBgAAAAAGAAAYAnQEAAFsSAAAAAA==</ser:Data>
</ser:EntityImportRequest>
</soapenv:Body>
</soapenv:Envelope>

```

## Response

```

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

```

## 5.18.3 Entities export logs read

Operation reads entities export logs.

### Request

See chapter [CollectionReadRequest](#)

### Response

See chapter [EntitiesReadResponse](#)

## Example of the entities export logs read

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ExportLogsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNF0UdStvN7</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:ExportLogsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ExportLogsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="fRv0-_vlybWEhbKUC1AYWXMxHVCltCxb">
        <ClassificationCode>C=sys^C=Logs^C=Export^D=0000000001</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Export/0000000001</PublicClassificationCode>
        <Title>2018-11-14T10:08:04.455+01:00</Title>
        <Type>Document</Type>
        <Description>Export started at 2018-11-14T10:08:04.455+01:00</Description>
      </EntityStub>
      <EntityStub id="ZdSOFQNCQR1-YnyR7QOV53aImXA_37x-">
        <ClassificationCode>C=sys^C=Logs^C=Export^D=0000000002</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Export/0000000002</PublicClassificationCode>
        <Title>2018-11-14T10:52:08.918+01:00</Title>
        <Type>Document</Type>
        <Description>Export started at 2018-11-14T10:52:08.918+01:00</Description>
      </EntityStub>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>50</Size>
    </ExportLogsReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.18.4 Entities import logs read

Operation reads entities import logs.

### Request

See chapter [CollectionReadRequest](#)

### Response

See chapter [EntitiesReadResponse](#)

## Example of the entities import logs read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ImportLogsReadRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNFOUdStvN7</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:ImportLogsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ImportLogsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="dUhVISje_3Jd2z98s3jcp-1dXgq4F3EB">
        <ClassificationCode>C=sys^C=Logs^C=Import^D=0000000001</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Import/0000000001</PublicClassificationCode>
        <Title>2018-11-21T14:00:54.2297695+01:00</Title>
        <Type>Document</Type>
        <Description>Import started at 2018-11-21T14:00:54.2297695+01:00</Description>
      </EntityStub>
      <EntityStub id="YfS4Ea4N9CE_ZMLxZQ1JvhN99D2FWS6b">
        <ClassificationCode>C=sys^C=Logs^C=Import^D=0000000002</ClassificationCode>
        <PublicClassificationCode>sys.Logs.Import/0000000002</PublicClassificationCode>
        <Title>2018-11-21T14:03:30.0163403+01:00</Title>
        <Type>Document</Type>
        <Description>Import started at 2018-11-21T14:03:30.0163403+01:00</Description>
      </EntityStub>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>24</Size>
    </ImportLogsReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.19 Review

Each entity in the classification scheme has its own life span. Each class, folder or document classified directly under a class must have at least one effective retention period set, which specifies the time frame for the retention of an individual entity in the archive system. In addition to the time frame, the retention period also contains the default action which will be implemented in the review process. The user can change the action during a controlled and planned process for executing the transfer, disposition or permanent retention of electronic content. Below is a description of operations for the review process.

### 5.19.1 Reviews read

Operation reads reviews.

#### Request

See chapter [CollectionReadRequest](#)

#### Response

See chapter [ReviewsReadResponse](#)

### 5.19.2 Review public information read

Operation reads a review public information.

#### Request

See chapter [ReviewStubReadRequest](#)

#### Response

See chapter [ReviewStubReadResponse](#)

### 5.19.3 Review open

Operation opens a review for reading or editing and returns a unique identifier of the open review, which carries out different operations (where the value of the identifier type can equal Handle).

#### Request

See chapter [ReviewOpenRequest](#)

#### Response

See chapter [EntityOpenResponse](#)

### 5.19.4 Review close

Operation closes an open review. The review is closed with the unique identifier obtained when opening the entity for reading, editing or creating. In the closing operation, the response is without content.

#### Request

See chapter [EntityCloseRequest](#)

#### Response

See chapter [EntityCloseResponse](#)

### 5.19.5 Review read

Operation reads a review information.

#### Request

See chapter [ReviewReadRequest](#)

#### Response

See chapter [ReviewReadResponse](#)

### 5.19.6 Review page read

Operation obtains a collection of entities of an individual review page.

#### Request

See chapter [ReviewItemReadRequest](#)

#### Response

See chapter [ReviewItemReadResponse](#)

### 5.19.7 Modifying an Entity on a Review page

The operation modifies an entity on a review page.

#### Request

See chapter [ReviewItemUpdateRequest](#)

### 5.19.8 Review create

This operation creates and saves a review or opens a review for creating and returns a unique identifier of the open review, which carries out different operations (where the value of the identifier type can equal Handle). The review can be created from multiple retention policies or from a query expression.

### Request

See chapter [ReviewCreateRequest](#)

### Response

See chapter [ReviewReadResponse](#)

## **5.19.9 Review update**

Operation updates a review.

### Request

See chapter [ReviewUpdateRequest](#)

### Response

See chapter [ReviewReadResponse](#)

## **5.19.10 Review audit log read**

Operation reads a review audit log information.

### Request

See chapter [ReviewAuditLogReadRequest](#)

### Response

See chapter [AuditLogReadResponse](#)

### **5.19.11 Authenticity evidence read**

Operation reads a review authenticity evidence information.

#### Request

See chapter [EntityNonrepudiationReadRequest](#)

#### Response

See chapter [EntityNonrepudiationReadResponse](#)

### **5.19.12 Review template read**

Operation reads a review template information.

#### Request

See chapter [ReviewTemplateReadRequest](#)

#### Response

See chapter [ReviewTemplateReadResponse](#)

### **5.19.13 Review access rights read**

Operation reads a review access rights information.

#### Request

See chapter [EntityACLReadRequest](#)

#### Response

See chapter [EntityACLReadResponse](#)

### **5.19.14 Review access right create**

Operation creates a review access right.

#### Request

See chapter [EntityACLEntriesCreateRequest](#)

#### Response

See chapter [EntityACLEntriesCreateResponse](#)

### **5.19.15 Review and Review property access right update**

Operation updates a review explicit access right.

#### Request

See chapter [EntityACLEntryUpdateRequest](#)

#### Response

See chapter [EntityACLEntryUpdateResponse](#)

### **5.19.16 Review and Review property access right delete**

Operation deletes a review explicit access right.

#### Request

See chapter [EntityACLDeleteEntryRequest](#)

#### Response

See chapter [EntityACLDeleteEntryResponse](#)

## 5.19.17 Review entities transfer

Operation exports a review explicit access right.

Operation exports entities.

### Request

See chapter [ReviewTransferRequest](#)

### Response

See chapter [EntityExportResponse](#)

## 5.20 Deleted / Disposed

Deleted and disposed entities can be read in a stubbed form.

### 5.20.1.1 Disposed entities read

Operation obtains a collection of entities disposed of during the review process.

### Request

See chapter [DeletedEntitiesReadRequest](#)

### Response

See chapter [DeletedEntitiesReadResponse](#)

### Example of the disposed entities read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntitiesReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQ09PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:DisposedEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-27T15:01:37.000Z</Deleted>
        <Description>5-years Regular review</Description>
        <Id>sxxzd8whmtwmxyG7ruJ4V7YTKyFWAbLuR</Id>
        <Title>Review 5YR</Title>
      </DeletedEntity>
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-28T10:29:31.000Z</Deleted>
        <Description>3-years Regular review</Description>
        <Id>hTH03-xqVSzRU1QOReKRW8xVVd_gHfve</Id>
        <Title>Review MH-3YR</Title>
      </DeletedEntity>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>4</Size>
    </DisposedEntitiesReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.20.2 Disposed entity read

Operation reads a disposed entity.

### Request

See chapter `DisposedEntityReadRequest`

### Response

See chapter `DisposedEntityReadResponse`

## Example of the disposed entity read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntityReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuAEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>nvRKi-Y94neJUIC3oAS0St_m_-Ivljz</ser:Id>
    </ser:DisposedEntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-28T13:11:04.000Z</Deleted>
        <Description>Regular review 5-years</Description>
        <Id>nvRKi-Y94neJUIC3oAS0St_m_-Ivljz</Id>
        <Title>Review 18/11/1</Title>
      </DeletedEntity>
    </DisposedEntityReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.20.3 Disposed entity audit log read

Operation reads a disposed entity audit log.

### Request

See chapter [DeletedEntityReadRequest](#)

### Response

See chapter [AuditLogReadResponse](#)

## Example of the disposed entity audit log read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntityAuditLogReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuAEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>urMMVFNpVZCBqIFilGx6vPvToHCkIbE4</ser:Id>
    </ser:DisposedEntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntityAuditLogReadResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="EntityDisposed">
        <Details>Retention policy conflict. No default reason available.</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Video_mDMS_Service_v1.docx [lb8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Video_mDMS_Service_v1.docx [lb8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-28T08:41:12Z" type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </DisposedEntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.20.4 Deleted entities read

Operation reads deleted entities.

### Request

See chapter [DeletedEntitiesReadRequest](#)

### Response

See chapter [DeletedEntitiesReadResponse](#)

### Example of the deleted entities read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntitiesReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:DeletedEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <ClassificationCode>C=05^C=03</ClassificationCode>
        <Container>>false</Container>
        <ChildCount>0</ChildCount>
        <Deleted>2018-11-16T14:29:44.000Z</Deleted>
        <Description>temp</Description>
        <Id>h2gvyyUGPT8QNY1L-N7gZaSnGlWGYd5Q</Id>
        <PublicClassificationCode>05.03</PublicClassificationCode>
        <Reason>temp</Reason>
        <Title>Employee Records</Title>
      </DeletedEntity>
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <ClassificationCode>C=06^C=01</ClassificationCode>
        <Container>>false</Container>
```

```

    <ChildCount>0</ChildCount>
    <Deleted>2018-12-04T08:26:52.000Z</Deleted>
    <Description>IMiS/Scan project</Description>
    <Id>iWvjJbVX3KohUjcYcOrVhYQSHbYPM2bq</Id>
    <PublicClassificationCode>06.01</PublicClassificationCode>
    <Reason>.</Reason>
    <Title>Scan project</Title>
  </DeletedEntity>
  <PageStart>0</PageStart>
  <PageSize>2</PageSize>
  <Size>48</Size>
</DeletedEntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.20.5 Deleted entity read

Operation reads a deleted entity.

### Request

See chapter [DeletedEntityReadRequest](#)

### Response

See chapter [DeletedEntityReadResponse](#)

## Example of the deleted entity read

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntityReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuaEFhSCKQ09PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q</ser:Id>
    </ser:DeletedEntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <ClassificationCode>C=05^C=03</ClassificationCode>
        <Container>>false</Container>
        <ChildCount>0</ChildCount>
        <Deleted>2018-11-16T14:29:44.000Z</Deleted>
        <Description>temp</Description>
        <Id>h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q</Id>
        <PublicClassificationCode>05.03</PublicClassificationCode>
        <Reason>temp</Reason>
        <Title>Employee Records</Title>
      </DeletedEntity>
    </DeletedEntityReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.20.6 Deleted entity audit log read

Operation reads a deleted entity audit log.

### Request

See chapter [DeletedEntityReadRequest](#)

### Response

See chapter [AuditLogReadResponse](#)

## Example of the deleted entity audit log read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntityAuditLogReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuaEFhSCKQO9PvnmP8gJ7AD9jpb0EYX</ser:SessionToken>
      <ser:Id>h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q</ser:Id>
    </ser:DeletedEntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntityAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-16T14:29:44Z" type="EntityDelete">
        <Details>temp</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:3cca:8b29:f39:6147" time="2018-11-13T12:27:04Z"
type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:3cca:8b29:f39:6147" time="2018-11-13T12:27:04Z"
type="PropertyValueChange">
        <Details>Changed properties: sys:Creator, sys:Title</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:3cca:8b29:f39:6147" time="2018-11-13T12:27:04Z"
type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </DeletedEntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.21 Legacy archival

The archive server enables unstructured object storage.

Below is a description of operations for the legacy archival.

### 5.21.1 Content object read

Operation reads content object.

## Request

See chapter [ObjectReadRequest](#)

## Response

See chapter [ObjectReadResponse](#)

## Example of the content object read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ObjectReadRequest>
      <ser:SessionToken>1YLOFFWzHY0He1RRSNDElpD4RdTYJCe8rC3</ser:SessionToken>
      <ser:Id>jMDmA5CDBBMJX58j__oq9OQrWcXl2jSS</ser:Id>
    </ser:ObjectReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ObjectReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object>
        <Id>jMDmA5CDBBMJX58j__oq9OQrWcXl2jSS</Id>
        <Size>346432</Size>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>

        <Content>JVBERi0xLjQNCiW1tbW1DQoxIDAgb2JqDQo8PC9UeXB1L0NhdGFsb2cvUGFnZXMgMiAwIFlVtGFuZyZyZC1
TSSkgL1N0cnVjdFRyZWVSc290IDMzIDAgUi9NYXJrSW5mbzw8L01hcmtlZCB0cnVlPj4vT3V0cHV0SW50ZW50c1s8PC9
UeXB1L091dHB1dEludGVudC9TL0dUU19QREZBMS9PdXRwdXRDb25kaXRpb25JZGVwMDAwMCAuZDQowMDAwMzZmM3IDA
wMDAwIG4NCjAwMDAzMzkwMTEgMDAwMDAgbG0KdHJhaWxlcg0KPDwvU2l6ZSAxOTEvUm9vdCAxIDAgUi9JbmZvIDMyIDA
gUi9JRjFs8MTA1ODJENUE1MUNDMDI0RDhDQUE4MUE5RDIONzE2OTk+PDEwNTgyRDVBNTFDQzAyNEQ4Q0FBODFBOUQyNDc
xNjk5Pl0gPj4NCnN0YXJ0eHJlZg0KMzQyNDU0DQo1JUUVPRg==</Content>
      </Object>
    </ObjectReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.21.2 Content object create

Operation creates the content object.

### Request

See chapter [ObjectCreateRequest](#)

### Response

See chapter [ObjectCreateResponse](#)

### Example of the content object create

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ObjectCreateRequest>

<ser:SessionToken>1YLOFFWzHY0He1RRSNDE1pD4RdTYJCe8rC31iEKCXDHUW9YAaUf3RMkHos8rDuBP</ser:SessionToken>
    <ser:ContentType>text/plain</ser:ContentType>
    <ser:Content>cid:1255209549995</ser:Content>
    <ser:Stage>Dokumenti</ser:Stage>
  </ser:ObjectCreateRequest>
</soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ObjectCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object>
        <Id>68e31f5c6e9fbe4208c9e2f3f5c61b06946b528de75ff1b68269bca8982dcb</Id>
        <Size>18</Size>
        <ContentType>text/plain</ContentType>
        <Extension>.txt</Extension>
      </Object>
    </ObjectCreateResponse>
  </S:Body>
</S:Envelope>
```

### 5.21.3 Content object update

Operation changes a content object.

#### Request

See chapter [ObjectUpdateRequest](#)

#### Response

See chapter [ObjectUpdateResponse](#)

### Example of the content object update

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ObjectUpdateRequest>

<ser:SessionToken>1YLOFFWzHY0He1RRSND1pD4RdTYJCe8rC31iEKCXDHUW9YAaUf3RMkHos8rDuBP</ser:SessionToken>
    <ser:Id>68e31f5c6e9f9be4208c9e2f3f3f5c61b06946b528de75ff1b68269bca8982dcb</ser:Id>
    <ser:Content>cid:962019498406</ser:Content>
  </ser:ObjectUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ObjectUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object>
        <Id>68e31f5c6e9f9be4208c9e2f3f3f5c61b06946b528de75ff1b68269bca8982dcb</Id>
        <Size>28</Size>
        <ContentType>text/plain</ContentType>
        <Extension>.txt</Extension>
      </Object>
    </ObjectUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.21.4 Content object delete

Operation deletes a content object.

### Request

See chapter [ObjectDeleteRequest](#)

### Response

See chapter [ObjectDeleteResponse](#)

### **Example of the content object delete**

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ObjectDeleteRequest>

<ser:SessionToken>1YLOFFWzHY0He1RRSNDE1pD4RdTYJCe8rC31iEKCXDHUW9YAaUf3RMkHos8rDuBP</ser:SessionToken>
    <ser:Id>68e31f5c6e9fbe4208c9e2f3f3f5c61b06946b528de75ff1b68269bca8982dcb</ser:Id>
    <ser:Reason>Delete reason</ser:Reason>
  </ser:ObjectDeleteRequest>
</soapenv:Body>
</soapenv:Envelope>
```

#### Response

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

## 6 TROUBLESHOOTING

### 6.1 Problems using IMiS®/Storage Connector Services

#### REST

Bellow, issues frequently encountered when using IMiS®/Storage Connector Services with REST interface are described and instructions for resolving them are given.

##### 6.1.1 Bad authorization

###### Request

POST <https://apps.imis.eu/scsvc/archives/IARC98/session/open.json>

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

###### Response

```
{
  "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(ArchiveResou
rce.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(ArchiveResou
rce.java:587)"
  }
}
```

###### Response status

401 – Bad authorization.

### Cause of the problem

The issue could be caused by invalid username or password.

### Resolving the problem

Try sending a different username and password again.

## **6.1.2 Session timeout**

### Request

GET https://apps.imis.eu/scsvc/archives/IARC98/entities/l:YQM1ixP8TAOZOQabg-OSRxF9mrLAFHJt9YDVRK5xNs/entities.json

### Request header

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

### Response

```
{
  "error": {
    "message": "Not authorized"
  }
}
```

### Response status

401 - Unauthorized, username and password are incorrect.

### Cause of the problem

The issue could be caused by session timeout.

### Resolving the problem

Open new session.

## 6.2 Problems using IMiS®/Storage Connector Services

### SOAP

Bellow, issues frequently encountered when using IMiS®/Storage Connector Services with SOAP interface are described and instructions for resolving them are given.

#### 6.2.1 Bad authorization

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:SessionOpenRequest>
      <ser:ArchiveId>IARC98</ser:ArchiveId>
      <ser:Authentication>
        <ser:Username>admin</ser:Username>
        <ser:Password>passsword</ser:Password>
      </ser:Authentication>
    </ser:SessionOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>S:Server</faultcode>
      <faultstring>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 (StorageConnec
torService.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(StorageConnec
torService.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

```

<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

```

<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.