



IMiS®/StorageConnector Services REST Manual

Version 9.5.1910

IMAGING
SYSTEMS
Imaging Systems Inc.
Brnčiceva 41 G
Ljubljana
Slovenia

TABLE OF CONTENTS

1 INTRODUCTION.....	12
1.1 About this guide	12
1.2 Target audience.....	12
1.3 Conventions.....	12
1.4 Abbreviations.....	13
2 GENERAL.....	14
2.1 Integration with applications.....	14
2.2 Security.....	16
2.3 Product versions.....	16
2.4 Functionality.....	18
2.5 New functionalities in this version	18
3 SYSTEM REQUIREMENTS.....	20
3.1 Hardware.....	20
3.1.1 Minimum requirements	20
3.1.2 Recommended requirements.....	20
3.2 Software	21
4 ADMINISTRATION.....	22
4.1 Installation.....	22
4.1.1 Installation process	22
4.1.2 Archives settings.....	22
4.2 Start up and shut down.....	25
4.3 Upgrading.....	25
4.3.1 Upgrading process.....	25
4.4 Removal.....	26
5 OBJECTS.....	27
5.1 Operations	27
5.2 Types	32
5.2.1 AccessResponse.....	32
5.2.2 Account.....	32
5.2.3 AccountResponse	33
5.2.4 AccountUpdateRequest.....	34
5.2.5 ACLEffective	34
5.2.6 Archive.....	34
5.2.7 ArchiveAdministrationAccess	35
5.2.8 ArchiveCapabilities.....	35
5.2.9 ArchiveFeatures.....	36

5.2.10 ArchiveResponse	37
5.2.11 ArchivesResponse	39
5.2.12 AuditLog	40
5.2.13 AuditLogCSV	40
5.2.14 AuditLogEvent	41
5.2.15 AuditLogRequest	43
5.2.16 AuditLogStatistic	44
5.2.17 AuditLogStatisticDay	44
5.2.18 AuditLogStatisticUser	45
5.2.19 Authentication	45
5.2.20 BatchEntityCreate	46
5.2.21 BatchEntityCreateObjectTransfer	48
5.2.22 BatchEntityCreateRequest	49
5.2.23 Category	49
5.2.24 DeletionStub	49
5.2.25 DeletionStubResponse	50
5.2.26 DeletionStubsResponse	51
5.2.27 DirectoryEntity	51
5.2.28 DirectoryEntityLink	52
5.2.29 DirectoryEntitiesResponse	53
5.2.30 DirectoryEntityResponse	53
5.2.31 DispositionHold	54
5.2.32 DispositionHoldResponse	54
5.2.33 DispositionHoldsResponse	55
5.2.34 Draft	55
5.2.35 DraftCheckInRequest	56
5.2.36 DraftResponse	57
5.2.37 DraftsResponse	57
5.2.38 DraftStub	58
5.2.39 DraftStubResponse	59
5.2.40 DraftUpdate	59
5.2.41 DraftUpdateRequest	60
5.2.42 EmailProperties	60
5.2.43 EntitiesResponse	61
5.2.44 Entity	62
5.2.45 EntityACL	68
5.2.46 EntityACLCREATE	70
5.2.47 EntityACLEntry	71

5.2.48 EntityACLEntryRequest.....	73
5.2.49 EntityACLRequest.....	74
5.2.50 EntityACLResponse.....	75
5.2.51 EntityACLEntryCreate	75
5.2.52 EntityACLEntryUpdate.....	76
5.2.53 EntityACLEntryResponse.....	77
5.2.54 EntityContentOption.....	77
5.2.55 EntityCreate.....	78
5.2.56 EntityCreateObject.....	80
5.2.57 EntityCreateRequest	80
5.2.58 EntityMoveRequest	80
5.2.59 EntityNonrepudiation.....	81
5.2.60 EntityNonrepudiationResponse	81
5.2.61 EntityOpenResponse.....	81
5.2.62 EntityProperty	82
5.2.63 EntityPropertyACL.....	82
5.2.64 EntityPropertyACLCREATE	83
5.2.65 EntityPropertyACLEntry	84
5.2.66 EntityPropertyACLEntryResponse.....	85
5.2.67 EntityPropertyACLEntryRequest.....	86
5.2.68 EntityPropertyACLEntryCreate.....	86
5.2.69 EntityPropertyACLEntryUpdate.....	87
5.2.70 EntityPropertyUpdate	87
5.2.71 EntityReference.....	88
5.2.72 EntityReferenceCreateEntry	88
5.2.73 EntityReferenceCreateRequest	89
5.2.74 EntityReferenceResponse	89
5.2.75 EntityReferencesResponse	89
5.2.76 EntityResponse.....	89
5.2.77 EntityRetention	90
5.2.78 EntityRetentionCreate	91
5.2.79 EntityRetentionDispositionHoldCreate	91
5.2.80 EntityRetentionDispositionHoldEntry	91
5.2.81 EntityRetentionDispositionHoldsRequest	92
5.2.82 EntityRetentionDispositionHoldsResponse	92
5.2.83 EntityRetentionPoliciesRequest	93
5.2.84 EntityRetentionPoliciesResponse	93
5.2.85 EntityRetentionPolicyContext	93

5.2.86 EntityRetentionPolicyContextFilter	94
5.2.87 EntityRetentionPolicyEntry	94
5.2.88 EntityRetentionPolicyEntryCreate	95
5.2.89 EntityRetentionPolicyEntriesUpdateRequest	96
5.2.90 EntityRetentionPolicyEntriesUpdateResponse	96
5.2.91 EntityRetentionPolicyEntryUpdate	97
5.2.92 EntityRetentionPolicyEntryRequest	97
5.2.93 EntityRetentionPolicyEntryResponse	98
5.2.94 EntityRights	99
5.2.95 EntityStatusUpdateRequest	100
5.2.96 EntityStatusUpdateResponse	100
5.2.97 EntitySecurityClassUpdateRequest	100
5.2.98 EntitySecurityClassUpdateResponse	101
5.2.99 EntityStub	101
5.2.100 EntityStubResponse	106
5.2.101 EntityUpdate	106
5.2.102 EntityUpdateRequest	107
5.2.103 InheritedStringProperty	107
5.2.104 Link	108
5.2.105 ObjectLink	108
5.2.106 ObjectManageRequest	109
5.2.107 ObjectsResponse	109
5.2.108 ObjectStage	110
5.2.109 ObjectStageResponse	110
5.2.110 ObjectStub	111
5.2.111 ObjectStubResponse	112
5.2.112 PasswordChangeRequest	112
5.2.113 PhysicalProperties	113
5.2.114 PhysicalPropertiesUpdate	113
5.2.115 Property	114
5.2.116 PropertyBinaryValue	116
5.2.117 PropertyOptions	116
5.2.118 PropertyRights	117
5.2.119 PropertyValue	118
5.2.120 RetentionPoliciesResponse	118
5.2.121 RetentionPolicy	119
5.2.122 RetentionPolicyResponse	120
5.2.123 Review	120

5.2.124	ReviewCreate	122
5.2.125	ReviewCreateRequest.....	123
5.2.126	ReviewCreateHandleRequest.....	123
5.2.127	ReviewEntityStub	124
5.2.128	ReviewEntityStubUpdate	124
5.2.129	ReviewEntityStubUpdateRequest.....	125
5.2.130	ReviewEntityStubResponse	125
5.2.131	ReviewUpdate	125
5.2.132	ReviewUpdateRequest	126
5.2.133	ReviewItem	126
5.2.134	ReviewItemEntry.....	127
5.2.135	ReviewItemResponse.....	127
5.2.136	ReviewsResponse	128
5.2.137	ReviewResponse	128
5.2.138	ReviewStub.....	128
5.2.139	SaveLogResponse.....	130
5.2.140	SearchEntity	130
5.2.141	SearchEntityObject	131
5.2.142	SearchResponse	131
5.2.143	SessionCloseRequest	132
5.2.144	SessionOpenRequest.....	132
5.2.145	SessionOpenResponse	132
5.2.146	String - Date	133
5.2.147	String - DateTime	133
5.2.148	String - Time	133
5.2.149	SystemProperties	134
5.2.150	Template	134
5.2.151	TemplateLink.....	136
5.2.152	TemplateEmailProperties.....	136
5.2.153	TemplatePhysicalProperties.....	137
5.2.154	TemplateResponse.....	137
5.2.155	TemplatesResponse	138
5.2.156	VersionsResponse.....	138
5.3	Start page.....	139
5.4	Web.xml configuration.....	139
5.5	Archive management.....	140
5.5.1	Archives read	140
5.5.2	Archive read.....	141

5.5.3	Archive certificate read.....	143
5.6	Session	144
5.6.1	Session open.....	144
5.6.2	Session close	146
5.7	Entity	146
5.7.1	Entity resource location.....	147
5.7.2	Entity read	147
5.7.3	Entity public information read.....	151
5.7.4	Entity open.....	155
5.7.5	Entity edit.....	156
5.7.6	Entity create	157
5.7.7	Entity close	158
5.7.8	Entity read	159
5.7.9	Entity create	163
5.7.10	Entity delete	169
5.7.11	Entity change.....	170
5.7.12	Entity status change.....	175
5.7.13	Entity security class change.....	177
5.7.14	Entity retention policy create	179
5.7.15	Entity retention policy change	181
5.7.16	Entity retention policies change	183
5.7.17	Entity retention policy delete	186
5.7.18	Entity disposition holds create	187
5.7.19	Entity disposition holds delete	189
5.7.20	Entity move.....	190
5.7.21	Save log read	195
5.7.22	Entities create	195
5.8	Access right.....	199
5.8.1	Entity access right read.....	199
5.8.2	Entity access rights read for each directory entity.....	202
5.8.3	Entity access rights create.....	203
5.8.4	Entity access right change.....	205
5.8.5	Entity property access right change	207
5.8.6	Entity access right delete	209
5.8.7	Entity property access right delete	210
5.9	Template	211
5.9.1	Templates read.....	211
5.9.2	Template read	219

5.10 Directory.....	226
5.10.1 Directory entities read.....	226
5.10.2 Directory entity read	228
5.10.3 Directory entity members read.....	229
5.10.4 Current user read.....	231
5.10.5 Password change	232
5.10.6 User profile change.....	233
5.10.7 Avatar read	234
5.10.8 Avatar change.....	235
5.11 Retention.....	235
5.11.1 Retention policies read.....	236
5.11.2 Retention policy read	237
5.11.3 Entity retention policy content objects read	239
5.11.4 Entity retention policy object properties read.....	240
5.11.5 Retention policy audit log read	241
5.12 Content objects.....	242
5.12.1 Entity content object read	243
5.12.2 Reading an indexed entity content object	244
5.12.3 Entity content object and properties read	245
5.12.4 Reading indexed entity content object metadata.....	247
5.12.5 Entity object create	248
5.12.6 Entity object change.....	250
5.12.7 Modifying an indexed entity content object	252
5.12.8 Entity object delete.....	253
5.12.9 Deleting an indexed entity content object	254
5.12.10 Entity object move.....	255
5.12.11 Entity content object copy	256
5.12.12 Queue for indexing / conversion	258
5.12.13 Entity object detach	260
5.12.14 Reading a content object by parts.....	260
5.12.15 Reading an indexed content object by parts.....	261
5.13 Authenticity.....	262
5.13.1 Entity authenticity and integrity proofs read.....	262
5.14 Audit log	264
5.14.1 Entity audit log read	264
5.14.2 Entity audit log with multiple parameters and statistics read	266
5.15 Search.....	272
5.15.1 Entities search.....	272

5.16 Disposition hold	276
5.16.1 Entities disposition holds read.....	276
5.16.2 Entity disposition hold read.....	277
5.16.3 Entity disposition hold audit log read.....	278
5.17 References.....	280
5.17.1 References read.....	280
5.17.2 Reference read	283
5.17.3 Reference create.....	286
5.17.4 Reference change.....	289
5.17.5 Reference delete	292
5.18 Versioning	293
5.18.1 Version read.....	293
5.18.2 Drafts read	299
5.18.3 Draft public information read	301
5.18.4 Check out draft.....	303
5.18.5 Check in draft	305
5.18.6 Discard draft.....	307
5.18.7 Draft open for reading.....	308
5.18.8 Draft open for editing.....	309
5.18.9 Draft close	310
5.18.10 Draft read.....	310
5.18.11 Draft change.....	311
5.18.12 Draft access rights read	314
5.18.13 Draft access rights read for each directory entity.....	314
5.18.14 Draft access rights create.....	315
5.18.15 Draft access right change.....	315
5.18.16 Draft property access right change	315
5.18.17 Draft access right delete	316
5.18.18 Draft property access right delete	316
5.19 Entity import / export.....	316
5.19.1 Export	317
5.19.2 Import	319
5.19.3 Export log read	321
5.19.4 Import logs read.....	323
5.20 Review.....	326
5.20.1 Reviews read.....	326
5.20.2 Review public information read	327
5.20.3 Review open	329

5.20.4 Opening a review for editing	329
5.20.5 Opening a review for creating.....	330
5.20.6 Closing an open review.....	331
5.20.7 Review read.....	332
5.20.8 Review pages read	332
5.20.9 Changing an entity on a review page	334
5.20.10 Review create.....	335
5.20.11 Review change	336
5.20.12 Review audit log read.....	337
5.20.13 Review authenticity evidence read	337
5.20.14 Review template read.....	337
5.20.15 Review access right read	338
5.20.16 Review access right read for each directory entity.....	338
5.20.17 Review access rights create	338
5.20.18 Review access right change.....	339
5.20.19 Review property access right change.....	339
5.20.20 Review access right delete.....	339
5.20.21 Review property access right delete	340
5.20.22 Review entities transfer.....	340
5.20.23 Review entities transfer confirmation.....	341
5.21 Disposed and deleted entities	342
5.21.1 Disposed entities read	342
5.21.2 Disposed entity read	344
5.21.3 Disposed entity audit log read	345
5.21.4 Deleted entities read.....	349
5.21.5 Deleted entity read	351
5.21.6 Deleted entity audit log read	353
5.22 Legacy archival.....	359
5.22.1 Content object read	359
5.22.2 Content object properties read.....	360
5.22.3 Content object create	362
5.22.4 Content object change.....	363
5.22.5 Content object delete.....	364
6 TROUBLESHOOTING	366
6.1 Problems using IMiS®/Storage Connector Services REST	366
6.1.1 Bad authorization	366
6.1.2 Session timeout	367

TABLE OF IMAGES

Table of images appearing in the manual:

Image 1: IMiS®/Storage Connector Services architecture	15
Image 2: Start page of REST interface.....	139

LIST OF TABLES

Below is a list of tables appearing in the manual:

Table 1: Different styles used in the documentation.....	12
Table 2: Abbreviation usage in the documentation	13

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.

1.3 Conventions

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

Types of writing	Purpose of use
Normal	Basic text in the documentation
Normal bold	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:

Abbreviation	Description
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)
REST	Representational State Transfer (architecture for data exchange between web services)
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 widely used Java EE software environment.

It contains a wealth of data objects with an easy-to-use interface (API).

This makes it possible to quickly design functionally advanced applications for accessing IMiS®/ARChive Server.

A binary protocol is used for communication between the IMiS®/Storage Connector and the archive server.

IMiS®/Storage Connector Services REST lets you integrate archive server with your application using simple HTTP methods in JSON format: create (POST), retrieve/read (GET), update (PUT) and delete (DELETE).

This ensures high responsiveness and throughput of the system.

While REST API is based on open standards, you can use any web development language to access the RESTful API. It is ideal for developing mobile applications (e.g. IMiS®/mClient) or web clients (e.g. IMiS®/wClient).

The operations are performed within applications on Apache Tomcat application server and accessed via HTTP/HTTPS protocol.

IMiS®/Storage Connector Services is widely open to support another program interface (REST, CMIS, ...).

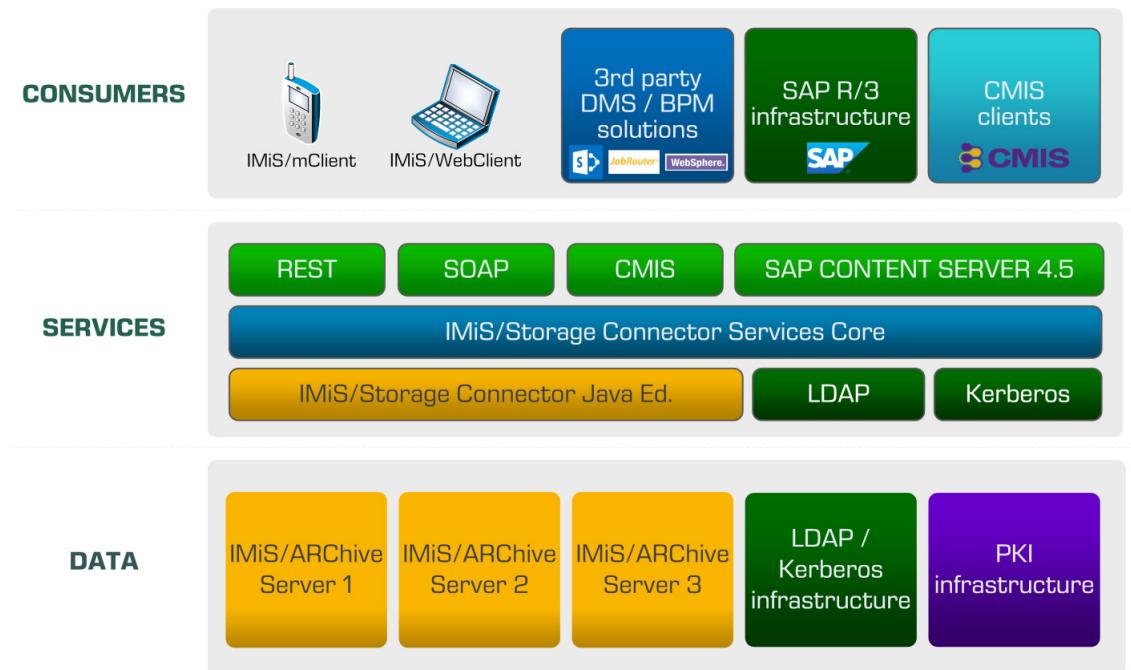


Image 1: IMiS®/Storage Connector Services architecture

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

To make data exchange safe, we need to use HyperText Transfer Protocol Secure (HTTPS), which ensures application server authentication and protection of exchanged data to IMiS®/Storage Connector Services REST. System administrator implements the settings on the Apache Tomcat server.

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

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

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

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

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

Example: The RELEASE identifier for a product released in 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 REST programming interface are the following:

- Access to objects on the archive server and communication via the HTTP protocol. Servers and firewalls have been optimized for traffic via HTTP/HTTPS.
- The application communicates with the IMiS®/ARChive Server via a standardized REST protocol.
- Use of web services (Web services API) for connecting applications to the IMiS®/ARChive Server.
- Use of smaller message formats that require less bandwidth and resources.
- Faster implementation of large-scale processing.
- High capacity, reliability of operation and scalability using the REST method for web services.
- A simple, efficient and customizable interface suitable for developing web and mobile applications.
- Implementation of changes during operation as they do not affect the operation of the system as a whole.
- Implementation on any platform; can be developed in any programming language.

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

4.1.1 Installation process

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

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

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

4.1.2 Archives settings

To access archive servers from the IMiS®/Storage Connector Services REST interface, the settings need to be defined. Archives are defined in the config.xml file.

The archive collection is defined in the configuration file in the XML format.

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

keyStoreFilePath	String	Absolute path to the jks. Sets the local certificate used for establishing an SSL connection in the local certificate selection stage (optional).
keyStorePassword	String	Password of the keyStore (optional).
certificateAlias	String	The alias name in the keyStore (optional).
certificatePassword	String	Password of the localCertificateAlias (optional).
defaultEntityIdType	String	Entity identifier type (optional; default value: ID192). The set of types: - ID192 - ID265.
maxSessionsPerUser	Integer	Maximum number of sessions per user (optional; default value: 10).
maxStorageSessionsPerUser	Integer	Maximum number of sessions per user from the service to the archive (optional; default value: 10).
entityCollectionPageCount	Integer	The number of entity collection pages. (optional).
entityCollectionPageSize	Integer	The size of the entity collection page (optional).
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).
includeLinksInResponses	Boolean	Specifies whether links are generated in responses; for REST only (optional, default value is true).
deferredCollectionFiltering	Boolean	Deferred collection filtering specifies that the elements in the collection are loaded on read (optional, default value: true). IMiS/ARC 9.10.1910 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).

4.2 Start up and shut down

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

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

4.3 Upgrading

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

4.3.1 Upgrading process

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

When using the project configuration:

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

When using the path to the configuration file:

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

4.4 Removal

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

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

5 OBJECTS

REST (Representational State Transfer) is a set of architectural principles for designing web applications. Each resource (data entity) in the application is presented as a web service with a unique URL address.

For accessing and modifying resources, RESTfull Web services use a uniform and predefined set of standard HTTP stateless methods: create (POST), retrieve/read (GET), update (PUT) and delete (DELETE). HTTP requests made to resources (data entries) via URI paths, will elicit a response that may be in JSON or some other defined format.

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

5.1 Operations

All supported REST operations are described below.

Authentication

[POST archives/{archiveld}/session/open.json](#)
[POST archives/{archiveld}/session/close.json](#)

Read archives

[GET archives.json](#)
[GET archives/{archiveld}.json](#)

Read directory

[GET archives/{archiveld}/directory.json](#)
[GET archives/{archiveld}/directory/{id}.json](#)
[GET archives/{archiveld}/directory/{id}/avatar](#)
[GET archives/{archiveld}/directory/{id}/members.json](#)

Entity management

[GET archives/{archiveld}/create.json](#)
[GET archives/{archiveld}/entities.json](#)
[GET archives/{archiveld}/entities/{id}.json](#)
[GET archives/{archiveld}/entities/{id}/audit_log.csv](#)
[GET archives/{archiveld}/entities/{id}/audit_log.json](#)
[GET archives/{archiveld}/entities/{id}/audit_log.xml](#)
[GET archives/{archiveld}/entities/{id}/close.json](#)
[GET archives/{archiveld}/entities/{id}/create.json](#)
[GET archives/{archiveld}/entities/{id}/edit.json](#)
[GET archives/{archiveld}/entities/{id}/entities.json](#)
[GET archives/{archiveld}/entities/{id}/nonrepudiation.json](#)
[GET archives/{archiveld}/entities/{id}/nonrepudiation.zip](#)
[GET archives/{archiveld}/entities/{id}/open.json](#)
[GET archives/{archiveld}/entities/{id}/save_log.json](#)
[GET archives/{archiveld}/entities/{id}/stub.json](#)
[POST archives/{archiveld}.json](#)
[POST archives/{archiveld}/entities/{id}.json](#)
[POST archives/{archiveld}/entities/{id}/export.zip](#)
[POST archives/{archiveld}/entities/{id}/retention/policies.json](#)
[POST archives/{archiveld}/entities/{id}/retention/disposition_holds.json](#)
[PUT archives/{archiveld}/entities/{id}.json](#)
[PUT archives/{archiveld}/entities/{id}/move.json](#)
[PUT archives/{archiveld}/entities/{id}/move/{parentId}.json](#)
[PUT archives/{archiveld}/entities/{id}/retention/policies.json](#)
[PUT archives/{archiveld}/entities/{id}/retention/policies/{idRetentionPolicy}.json](#)
[PUT archives/{archiveld}/entities/{id}/status.json](#)
[PUT archives/{archiveld}/entities/{id}/security_class.json](#)
[DELETE archives/{archiveld}/entities/{id}.json](#)
[DELETE archives/{archiveld}/entities/{id}/retention/disposition_holds/{idDispositionHold}.json](#)
[DELETE archives/{archiveld}/entities/{id}/retention/policies/{idRetentionPolicy}.json](#)

Entity content management

[GET archives/{archiveld}/entities/{id}/object](#)
[GET archives/{archiveld}/entities/{id}/object/stream](#)
[GET archives/{archiveld}/entities/{id}/object.json](#)
[GET archives/{archiveld}/entities/{id}/objects.json](#)
[GET archives/{archiveld}/entities/{id}/objects/{objectId}](#)
[GET archives/{archiveld}/entities/{id}/objects/{objectId}/stream](#)
[GET archives/{archiveld}/entities/{id}/objects/{objectId}.json](#)
[GET archives/{archiveld}/entities/{id}/objects/{id}/objects.json](#)
[POST archives/{archiveld}/entities/{entityIdKind}:{id}/objects](#)
[POST archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{id}/detach.json](#)
[POST archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{id}/manage.json](#)
[PUT archives/{archiveld}/entities/{id}/object](#)
[PUT archives/{archiveld}/entities/{id}/objects/{id}](#)
[PUT archives/{archiveld}/entities/{id}/objects/{objectId}/move/{parentId}.json](#)
[PUT archives/{archiveld}/entities/{id}/objects/{objectId}/copy/{parentId}.json](#)
[DELETE archives/{archiveld}/entities/{id}/object.json](#)
[DELETE archives/{archiveld}/entities/{id}/objects/{id}.json](#)

Entity access control management

[GET archives/{archiveld}/entities/{id}/access.json](#)
[GET archives/{archiveld}/entities/{id}/acl.json](#)
[POST archives/{archiveld}/entities/{id}/acl.json](#)
[PUT archives/{archiveld}/entities/{id}/acl/{entryId}.json](#)
[PUT archives/{archiveld}/entities/{id}/acl/{propertyName}/{entryId}.json](#)
[DELETE archives/{archiveld}/entities/{id}/acl/{entryId}.json](#)
[DELETE archives/{archiveld}/entities/{id}/acl/{propertyName}/{entryId}.json](#)

Entity search

[GET archives/{archiveld}/entities/{id}/search.json](#)
[GET archives/{archiveld}/search.json](#)

Reference management

[GET archives/{archiveld}/entities/{id}/references.json](#)
[GET archives/{archiveld}/entities/{id}/references/{referenceld}.json](#)
[POST archives/{archiveld}/entities/{id}/references.json](#)
[PUT archives/{archiveld}/entities/{id}/references/{referenceld}.json](#)
[DELETE archives/{archiveld}/entities/{id}/references/{referenceld}.json](#)

Template read

[GET archives/{archiveld}/templates.json](#)
[GET archives/{archiveld}/templates/{id}.json](#)

User profile management

[GET archives/{archiveld}/account.json](#)
[GET archives/{archiveld}/account/avatar](#)
[POST archives/{archiveld}/account/avatar](#)
[PUT archives/{archiveld}/account.json](#)
[PUT archives/{archiveld}/account/password.json](#)

Versioning and draft management

[GET archives/{archiveld}/drafts.json](#)
[GET archives/{archiveld}/drafts/{id}.json](#)
[GET archives/{archiveld}/drafts/{id}/close.json](#)
[GET archives/{archiveld}/drafts/{id}/edit.json](#)
[GET archives/{archiveld}/drafts/{id}/open.json](#)
[GET archives/{archiveld}/drafts/{id}/stub.json](#)
[GET archives/{archiveld}/entities/{id}/versions.json](#)
[POST archives/{archiveld}/drafts/{id}/discard.json](#)
[POST archives/{archiveld}/drafts/{id}/check_in.json](#)
[POST archives/{archiveld}/entities/{id}/check_out.json](#)
[PUT archives/{archiveld}/drafts/{id}.json](#)

Draft content management

GET archives/{archiveld}/drafts/{id}/object
GET archives/{archiveld}/drafts/{id}/objects/{objectId}
GET archives/{archiveld}/drafts/{id}/objects/{objectId}/stream
POST archives/{archiveld}/drafts/{id}/objects
PUT archives/{archiveld}/drafts/{id}/object
PUT archives/{archiveld}/drafts/{id}/objects/{objectId}
DELETE archives/{archiveld}/drafts/{id}/object.json
DELETE archives/{archiveld}/drafts/{id}/objects/{objectId}.json

Draft access rights management

GET archives/{archiveld}/drafts/{id}/access.json
GET archives/{archiveld}/drafts/{id}/acl.json
POST archives/{archiveld}/drafts/{id}/acl.json
PUT archives/{archiveld}/drafts/{id}/acl/{entryId}.json
PUT archives/{archiveld}/drafts/{id}/acl/{propertyName}/{entryId}.json
DELETE archives/{archiveld}/drafts/{id}/acl/{entryId}.json
DELETE archives/{archiveld}/drafts/{id}/acl/{propertyName}/{entryId}.json

Delete and dispose entity read

GET archives/{archiveld}/deleted.json
GET archives/{archiveld}/deleted/{id}.json
GET archives/{archiveld}/deleted/{id}/audit_log.json
GET archives/{archiveld}/deleted/{id}/entities.json
GET archives/{archiveld}/disposed.json
GET archives/{archiveld}/disposed/{id}.json
GET archives/{archiveld}/disposed/{id}/audit_log.json
GET archives/{archiveld}/disposed/{id}/entities.json

Retention policies read

GET archives/{archiveld}/disposition_holds.json
GET archives/{archiveld}/disposition_holds/{id}.json
GET archives/{archiveld}/disposition_holds/{id}/audit_log.json
GET archives/{archiveld}/retention_policies.json
GET archives/{archiveld}/retention_policies/{id}.json
GET archives/{archiveld}/retention_policies/{id}/audit_log.json
GET archives/{archiveld}/retention_policies/{id}/objects.json
GET archives/{archiveld}/retention_policies/{id}/objects/{objectId}
GET archives/{archiveld}/retention_policies/{id}/objects/{objectId}.json

Import and export log read

GET archives/{archiveld}/log/export.json
GET archives/{archiveld}/log/import.json

Review

[GET archives/{archiveld}/reviews.json](#)
[GET archives/{archiveld}/reviews/{id}.json](#)
[GET archives/{archiveld}/reviews/{id}/audit_log.csv](#)
[GET archives/{archiveld}/reviews/{id}/audit_log.json](#)
[GET archives/{archiveld}/reviews/{id}/audit_log.xml](#)
[GET archives/{archiveld}/reviews/{id}/handle/close.json](#)
[GET archives/{archiveld}/reviews/{id}/handle/edit.json](#)
[GET archives/{archiveld}/reviews/{id}/handle/open.json](#)
[GET archives/{archiveld}/reviews/{id}/items/{itemId}.json](#)
[GET archives/{archiveld}/reviews/{id}/nonrepudiation.zip](#)
[GET archives/{archiveld}/reviews/{id}/stub.json](#)
[GET archives/{archiveld}/reviews/{id}/template.json](#)

Review access control management

[GET archives/{archiveld}/reviews/{id}/access.json](#)
[GET archives/{archiveld}/reviews/{id}/acl.json](#)
[POST archives/{archiveld}/reviews/{id}/acl.json](#)
[PUT archives/{archiveld}/reviews/{id}/acl/{entryId}.json](#)
[PUT archives/{archiveld}/reviews/{id}/acl/{propertyName}/{entryId}.json](#)
[DELETE archives/{archiveld}/reviews/{id}/acl/{entryId}.json](#)
[DELETE archives/{archiveld}/reviews/{id}/acl/{propertyName}/{entryId}.json](#)

Create entities

[POST archives/{archiveld}/batch/create.json](#)
[POST archives/{archiveld}/entities/{id}/batch/create.json](#)

Legacy object archival management

[GET archives/{archiveld}/objects/{id}](#)
[GET archives/{archiveld}/objects/{id}.json](#)
[POST archives/{archiveld}/objects](#)
[PUT archives/{archiveld}/objects/{id}.json](#)
[DELETE archives/{archiveld}/objects/{id}.json](#)

Audit log read

[POST archives/{archiveld}/audit_log.json](#)
[POST archives/{archiveld}/audit_log.csv](#)
[POST archives/{archiveld}/audit_log.xml](#)

5.2 Types

All supported REST objects in JSON format are described below.

5.2.1 AccessResponse

Object provides information on entity access rights.

Definition

```
{
  "rights" : {...}
}
```

Fields

rights	EntityRights	Directory entity access rights.
--------	------------------------------	---------------------------------

5.2.2 Account

Object provides information on user profile.

Definition

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

Fields

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

5.2.3 AccountResponse

Object provides information on user profile.

Definition

```
{
  "directory_entity" : {
    "id" : "String",
    ...
  }
}
```

Fields

directory_entity	Account	Object provides information on directory entity.
------------------	-------------------------	--

5.2.4 AccountUpdateRequest

Object provides request on the user profile update.

Definition

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

Fields

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

5.2.5 ACLEffective

Object provides information on effective access rights.

Definition

```
{
  "rights" : {
    "read_access" : true,
    "write_access" : true,
    "delete_access" : true,
    ...
  }
}
```

Fields

rights	EntityRights	Effective access rights.
--------	------------------------------	--------------------------

5.2.6 Archive

Object provides information on archive server.

Definition

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

Fields

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

5.2.7 ArchiveAdministrationAccess

Object provides information on the access to the administration folders.

Definition

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

Fields

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

5.2.8 ArchiveCapabilities

Object provides information on the user roles.

Definition

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

Fields

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

5.2.9 ArchiveFeatures

Object provides information on the archive functionalities.

Definition

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

Fields

content_convert	Boolean	Enables conversion of the entity content object.
content_detach	Boolean	Enables detachment of the entity content object.
content_index	Boolean	Enables indexing of the entity content object.
content_move	Boolean	Enables moving content object to another entity.
create_drafts	Boolean	Specifies whether the creation of drafts is enabled.

5.2.10 ArchiveResponse

Object provides information on archive.

Definition

```
{
  "api_version": 6,
  "archive" : {
    "administration_access": {
      "create_reviews" : true,
      "deleted_entities" : true,
      "deleted_queue" : true,
      "disposed_entities" : true,
      "export_logs" : true,
      "import_logs" : true,
      "reviews" : true
    },
    "capabilities": {
      "audit_query": true,
      "content_management" : true,
      "draft_management" : true,
      "content_management": true,
      "import_export": true,
      "reports": true
    },
    "description": "String",
    "effective_rights": { // Optional
      "read_access": true,
      "write_access": true,
      "move_access": true,
      "delete_access": true,
      "change_rights": true,
      "create_sub_entities": true,
      "create_references": true,
      "change_security_class": true,
      "change_status": true,
      "change_retention": true
    },
    "features": {
      "content_convert": true,
      "content_detach": true,
      "content_index": true,
      "content_move": true,
      "create_drafts" : true
    },
    "host": "String",
    "links": [
      {
        "type": "deleted",
        "uri": "String - URI"
      },
      {
        "type": "disposed",
        "uri": "String - URI"
      },
      {
        "type": "disposition_holds",
        "uri": "String - URI"
      },
      {
        "type": "directory",
        "uri": "String - URI"
      },
      {
        "type": "drafts",
        "uri": "String - URI"
      },
      {
        "type": "entities",
        "uri": "String - URI"
      },
      {
        "type": "log:export",
        "uri": "String - URI"
      },
      {
        "uri": "String - URI"
      }
    ]
  }
}
```

```

        },
        {
            "type": "retention_policies",
            "uri": "String - URI"
        },
        {
            "type": "reviews",
            "uri": "String - URI"
        },
        {
            "type": "search",
            "uri": "String - URI"
        },
        {
            "type": "templates",
            "uri": "String - URI"
        }
    ],
    "name" : "String",
    "secure" : true,
    "service_name" : "String",
    "service_version" : 0,
    "audit_log_required" : false
}
}

```

Fields

api_version	Integer	The version of the REST interface.
administration_access	ArchiveAdministrationAccess	Object provides information on the access to the administration system folders.
audit_log_required	Boolean	Specifies whether the audit log reason is required.
capabilities	ArchiveCapabilities	Object provides information on user roles.
description	String	A description of the archive server.
effective_rights	EntityRights	Rights of current user on the archive.
features	ArchiveFeatures	Object provides information on archive's functionalities.
host	String	The address of the archive server.
links	Link []	Links to the objects on archive server. The set of links: <ul style="list-style-type: none"> - disposition_holds: Link to the disposition hold. - directory: Link to the directory entities. - entities: Link to the archive root entities. - retention_policies: Link to the retention policies. - search: Link to the entities search on the archive server root. - templates: Link to the templates.
name	String	The name of the archive server.

secure	Boolean	Specifies whether the iarc secure protocol is used between the interface and archive server.														
service_name	String	The name of the archive service.														
service_version	Long	<p>The version of the archive service. The set of values:</p> <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															

5.2.11 ArchivesResponse

Object provides information on archives.

Definition

```
{
  "api_version": 6,
  "archives": [
    {
      "id" : "String",
      "name" : "String",
      "description" : "String",
      "host" : "String",
      "uri" : "String - URI"
    },
    {
      "id" : "String",
      "name" : "String",
      "description" : "String",
      "host" : "String",
      "uri" : "String - URI"
    }
  ],
  "version": "9.5.1910.105"
}
```

Fields

api_version	Integer	The version of the REST interface.
archives	Archive []	A collection of the archive servers.
version	String	The version of the module.

5.2.12 AuditLog

Object provides information on audit log events.

Definition

```
{
  "events" : [
    {
      "computer_name" : "String",
      "delegate" : {
        "email" : "String",
        "first_name" : "String",
        "icon_url" : "String",
        "id" : "String",
        "last_name" : "String",
        "uri" : "String",
        "type" : "String"
      },
      "details" : "String",
      "local_address" : "String",
      "public_address" : "String",
      "time" : "String - DateTime",
      "type" : "String",
      "user" : {
        "email" : "String",
        "first_name" : "String",
        "icon_url" : "String",
        "id" : "String",
        "last_name" : "String",
        "uri" : "String",
        "type" : "String"
      }
    ],
    "size" : 0,
    "statistic" : {}
  }
}
```

Fields

events	AuditLogEvent []	Audit log events.
size	Integer	The size of the audit log events collection.
statistic	AuditLogStatistic	Audit log events statistic.

5.2.13 AuditLogCSV

Object provides information on audit log events in CSV format.

Definition

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

Fields

Time	String	Date and time of the event.
User	String	User who carried out the event.
Address	String	External IP address.

Computer	String	The name of the device.
InternalAddress	String	Internal IP address.
EventType	String	The type of the event.
EventDetails	String	Event description.
Delegate	String	Delegate.

5.2.14 AuditLogEvent

Object provides information on the audit log event.

Definition

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

Fields

classification_code	String	The canonical form of the full classification code.
computer_name	String	The name of the device.
delegate	DirectoryEntityLink	Delegate (optional).
details	String	A detailed description of the event (optional).
id	String	Unique identifier of the entity.
local_address	String	Internal IP address.
public_address	String	External IP address.
public_classification_code	String	Entity classification code in the classification scheme.
time	String - DateTime	Date and time of the event.

type	String	Event type. The set of events: - INVALID - ENTITY_CREATE - ENTITY_OPEN_READ_ONLY - ENTITY_OPEN_READ_WRITE - ENTITY_SAVE - ENTITY_MOVE - ENTITY_DELETE - AUDIT_LOG_QUERY - CONFIGURATION_CHANGE - PROPERTY_VALUE_CHANGE - ACL_ENTRY_CHANGE - PHYSICAL_ENTITY_CHANGE - SECURITY_CLASS_CHANGE - STATUS_CHANGE - RETENTION_CHANGE - ENTITY_TEMPLATE_SWITCH - CONTENT_PART_OPEN_READ_ONLY - CONTENT_PART_OPEN_READ_WRITE - CONTENT_PART_CREATE - CONTENT_PART_DELETE - CONTENT_PART_SAVE - CONTENT_PART_MOV - CONTENT_PART_METADATA_CHANGE - ENTITY_DISPOSED - ENTITY_PERMANENT - ENTITY_TRANSFERRED - ENTITY_REVIEWED - ENTITY_CHECK_OUT - ENTITY_CHECK_IN - ENTITY_DISCARD.
user	DirectoryEntityLink	User who carried out the event.
version	Integer	The identifier of the entity version.
version_label	String	The label of the entity version.

5.2.15 AuditLogRequest

Object provides request on audit log events information.

Definition

```
{
  "address_from" : "String",
  "address_to" : "String",
  "addresses" : ["String"],
  "after" : "String - DateTime",
  "before" : "String - DateTime",
  "computer_name_from" : "String",
  "computer_name_to" : "String",
  "computer_names" : ["String"],
  "events" : [],
  "id" : "String",
  "id_type" : "String",
  "recursive" : true,
  "refresh" : true,
  "statistic" : true,
  "sort_by_date" : "String - ASCENDING/DESCENDING",
  "types" : ["String -CLASS/DOCUMENT/FOLDER"],
  "username_from" : "String",
  "username_to" : "String",
  "usernames" : ["String"],
  "page_size" : 1,
  "page_start" : 0
}
```

Fields

address_from	String	Start address.
address_to	String	End address.
addresses	String []	Address collection.
after	String - DateTime	Start date.
before	String - DateTime	End date.
computer_name_from	String	Device start name.
computer_name_to	String	Device end name.
computer_names	String []	Collection of device names.
events	String []	Collection of events in the reply.
id	String	Unique identifier of the entity.
id_type	String	The entity identifier type. (optional, default value is INTERNAL).
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).
sort_by_date	String	Sorting by date (default value: DESCENDING). The set of values: - ASCENDING - DESCENDING.
types	String []	Entity types. The set of values: - CLASS - DOCUMENT - FOLDER.
username_from	String	Start username.
username_to	String	End username.
usernames	String []	Username collection.
page_size	Integer	The size of the page.
page_start	Integer	The beginning of the page.

5.2.16 AuditLogStatistic

Object provides information on audit log events statistic.

Definition

```
{
  "days" : [
    {
      "date" : "String - Date",
      "events" : 1
    },
    {
      "date" : "String - Date",
      "users" : 1
    }
  ]
}
```

Fields

days	AuditLogStatisticDay []	Collection of the number of events on a given day.
users	AuditLogStatisticUser []	Collection of the number of users on a given day.

5.2.17 AuditLogStatisticDay

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

Definition

```
{
  "date" : "String - Date",
  "events" : 1
}
```

Fields

date	String – Date	Date.
events	Integer	Number of events.

5.2.18 AuditLogStatisticUser

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

Definition

```
{
  "date" : "String - Date",
  "users" : 1
}
```

Fields

date	String – Date	Date
users	Integer	Number of users.

5.2.19 Authentication

Object provides information on user authentication.

Definition

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

Fields

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

5.2.20 BatchEntityCreate

Object provides information on entity create.

Definition

```
{
  "overwrite_objects" : true,
  "update" : true,
  "search" : "String",
  "id" : "String",
  "id_type" : "String",
  "reason" : "String",
  "entities" : [],
  "object_transfer" : [],
  "template" : "String",
  "title" : "String",
  "classification_code" : "String",
  "status" : {
    "inherited" : true,
    "value" : "String"
  },
  "security_class" : {
    "inherited" : true,
    "value" : "String"
  },
  "child_classification_code_mode" : "String - AUTOMATIC/MANUAL/MANUAL_OPTIONAL",
  "description" : "String",
  "owner" : "String",
  "objects" : [
    {
      "container_id" : "String",
      "description" : "String",
      "content_type" : "String",
      "content" : "String - Base64"
    }
  ],
  "significance" : {
    "inherited" : true,
    "value" : "String"
  },
  "external_ids" : ["String"],
  "keywords" : ["String"],
  "categories" : ["String"],
  "properties" : [
    {
      "id" : "String",
      "inherited" : false,
      "values" : [T]
    }
  ],
  "retention" : {
    "policies" : [
      {
        "id" : "String",
        "name" : "String",
        "scope" : "String - ALLOW/DENY",
        "filter" : {
          "classes" : true,
          "folders" : true,
          "documents" : true
        }
      }
    ],
    "disposition_holds" : [
      {
        "id" : "String",
        "name" : "String"
      }
    ]
  },
  "email_properties" : {
    "subject" : "String",
    "from" : "String",
    "to" : ["String"],
    "cc" : ["String"],
    "bcc" : ["String"],
    "date" : "String - DateTime"
  }
}
```

```

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

```

Fields

overwrite_objects	Boolean	Specifies whether existing objects are deleted and new ones are saved.
update	Boolean	Specifies whether the entity is opened in edit mode, the fields updated, and the entity saved (default value: false).
search	String	Search string for the entity which is used to search for an existing entity.
id	String	Unique identifier of the entity which is used to search for an existing entity.
id_type	String	Type of the entity identifier which is used to search for an existing entity.
reason	String	The reason for entity create or update.
object_transfer	BatchEntityCreateObjectTransfer []	Collection of objects for transfer (optional).
entities	BatchEntityCreate	Collection of entities for creation or modification.
template	String	Unique identifier of the entity template.
title	String	The title of the entity.
classification_code	String	The canonical form of the full classification code (optional).
status	InheritedStringProperty	Entity status (optional).
security_class	InheritedStringProperty	Entity security class (optional).
child_classification_code_mode	String	Child entity classification code generation (optional). The set of values: - AUTOMATIC - MANUAL - MANUAL_OPTIONAL.

description	String	Entity description (optional)
owner	String	The owner of the entity (optional).
objects	EntityObjectCreate []	A collection of the entity objects (optional).
significance	InheritedStringProperty	The significance of the entity (optional).
external_ids	String []	The external identifiers of the entity.
keywords	String []	Keywords of the entity.
categories	String []	Categories of the entity.
properties	EntityPropertyUpdate []	Entity properties.
retention	EntityRetentionCreate	Retention policies and disposition holds.
email_properties	EmailProperties	Email properties
physical_properties	PhysicalPropertiesUpdate	Physical content properties.

5.2.21 BatchEntityCreateObjectTransfer

Object provides information on object transfer.

Definition

```
{
  "container_id" : "String",
  "description" : "String",
  "id" : "String",
  "transfer_id" : true
}
```

Fields

container_id	String	Unique identifier of additional entity content object container of target entity (optional).
description	String	A description of the entity which will be in the target entity (optional).
id	String	Unique identifier of the object.
transfer_id	Boolean	Unique identifier of the transferred entity. Specifies whether the identifier of the object has been added to the collection of external identifiers of the target entity (optional, default value: false).

5.2.22 BatchEntityCreateRequest

Object provides request on entity collection create.

Definition

```
{
  "entities" : []
}
```

Fields

entities	BatchEntityCreate []	A collection of the entities.
----------	--------------------------------------	-------------------------------

5.2.23 Category

Object provides information on category.

Definition

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

Fields

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

5.2.24 DeletionStub

Object provides information on deleted entity.

Definition

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

Fields

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

5.2.25 DeletionStubResponse

Object provides information on deleted entity.

Definition

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

Fields

deletion_stub	DeletionStub	Object provides information on the deleted entity.
---------------	------------------------------	--

5.2.26 DeletionStubsResponse

Object provides information on deleted entities.

Definition

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

Fields

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

5.2.27 DirectoryEntity

Object provides information on directory entity.

Definition

```
{
  "id" : "String",
  "first_name" : "String",
  "last_name" : "String",
  "email" : "String",
  "description" : "String",
  "security_class_level" : "String",
  "type" : "String - GROUP/USER",
  "deleted" : true,
  "enabled" : true,
  "icon_url" : "String",
  "members" : { // Optional
    "id" : "String",
    "uri" : "String - URI"
  },
  "created" : "String - DateTime",
  "created_by" : {
    "email" : "String",
    "first_name" : "String",
    "icon_url" : "String",
    "id" : "String",
    "last_name" : "String",
    "uri" : "String",
    "type" : "String"
  },
  "modified" : "String - DateTime",
  "modified_by" : {
    "email" : "String",
    "first_name" : "String",
    "icon_url" : "String",
    "id" : "String",
    "last_name" : "String",
    "uri" : "String",
    "type" : "String"
  }
}
```

Fields

<code>id</code>	<code>String</code>	Unique identifier of the directory entity.
<code>first_name</code>	<code>String</code>	First name of the directory entity.
<code>last_name</code>	<code>String</code>	Last name of the directory entity.
<code>email</code>	<code>String</code>	Email address of the directory entity.
<code>description</code>	<code>String</code>	A description of the directory entity.
<code>security_class_level</code>	<code>String</code>	The security class of the directory entity.
<code>type</code>	<code>String</code>	Directory entity type. The set of values: - GROUP: Directory entity is a group - USER: Directory entity is a user.
<code>deleted</code>	<code>Boolean</code>	Specifies whether the directory entity is deleted.
<code>enabled</code>	<code>Boolean</code>	Specifies whether the directory entity is enabled.
<code>members</code>	ObjectLink	Link to the members of the directory entity group (optional).
<code>created</code>	String - DateTime	Date and time of the directory entity creation.
<code>created_by</code>	DirectoryEntityLink	Directory entity, who created this directory entity.
<code>modified</code>	String - DateTime	Date and time of the entity change.
<code>modified_by</code>	DirectoryEntityLink	The directory entity who last modified the entity.

5.2.28 DirectoryEntityLink

Object provides link to the directory entity.

Definition

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

Fields

<code>email</code>	<code>String</code>	Email address of the directory entity.
<code>first_name</code>	<code>String</code>	First name of the directory entity.
<code>id</code>	<code>String</code>	Unique identifier of the directory entity.
<code>icon_url</code>	<code>String</code>	Link to the user icon (optional).
<code>last_name</code>	<code>String</code>	Last name of the directory entity.

type	String	Directory entity type. The set of values: - GROUP: Directory entity is a group - USER: Directory entity is a user.
uri	String	Link to the directory entity (optional).

5.2.29 DirectoryEntitiesResponse

Object provides information on directory entities.

Definition

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

Fields

directory_entities	DirectoryEntity []	Directory entities.
size	Integer	The size of the directory entity collection.
page_size	Integer	The size of the page (optional).
page_start	Integer	The beginning of the page (optional).

5.2.30 DirectoryEntityResponse

Object provides information on directory entity.

Definition

```
{
  "directory_entity" : {
    "id" : "String",
    "first_name" : "String",
    "last_name" : "String",
    "email" : "String",
    "description" : "String",
    "security_class_level" : "String",
    "type" : "String - GROUP/USER",
    ...
  }
}
```

Fields

directory_entity	DirectoryEntity	Directory entity.
------------------	---------------------------------	-------------------

5.2.31 DispositionHold

Object provides information on entity disposition hold.

Definition

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

Fields

accessed	String - DateTime	Date and time of the disposition hold access.
created	String - DateTime	Date and time of the disposition hold creation.
modified	String - DateTime	Date and time of the disposition hold change.
description	String	A description of the disposition holds.
id	String	Unique identifier of the disposition holds.
name	String	The name of the disposition holds.
reason	String	The reason for disposition holds creation.
creator	ObjectLink	The author of the disposition holds.

5.2.32 DispositionHoldResponse

Object provides information on entity disposition hold.

Definition

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

Fields

disposition_hold	DispositionHold	Entity disposition hold.
------------------	---------------------------------	--------------------------

5.2.33 DispositionHoldsResponse

Object provides information on entity disposition holds.

Definition

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

Fields

disposition_holds	DispositionHold []	Entity disposition holds.
-------------------	------------------------------------	---------------------------

5.2.34 Draft

Object provides information on draft.

Definition

```
{
  "accessed" : "String - DateTime",
  "categories" : [],
  "content_options": [],
  "created" : "String - DateTime",
  "creator" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "description" : "String ",
  "effective_rights" : {},
  "email_properties" : {},
  "id" : "String",
  "keywords" : [],
  "modified" : "String - DateTime",
  "modified_by" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "objects" : [],
  "owner" : {},
  "physical_properties" : {},
  "properties" : [],
  "source_id" : "String",
  "template" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "title" : "String",
  "type" : "String"
}
```

Fields

accessed	String - DateTime	Date and time of the draft access.
categories	String []	Categories of the draft.
content_options	EntityContentOption []	The properties of the content.
created	String - DateTime	Date and time of the draft creation.
creator	ObjectLink	The author of the draft.
description	String	A description of the draft.
effective_rights	EntityRights	Effective rights of current user on the draft.
email_properties	EmailProperties	Email properties.
id	String	Unique identifier of a draft.
keywords	String []	Keywords of the draft.
modified	String - DateTime	Date and time of the draft change.
modified_by	DirectoryEntityLink	The user who last modified the draft.
objects	ObjectStub []	A collection of the entity objects (optional).
owner	ObjectLink	The owner of the entity (draft).
physical_properties	PhysicalProperties	Physical content properties.
properties	EntityProperty []	Entity properties.
source_id	String	Identifier of the entity from which the draft was made.
template	ObjectLink	Unique identifier of the draft template.
title	String	The title of the draft.
type	String	Draft type. The set of values: - DOCUMENT

5.2.35 DraftCheckInRequest

Object provides request on draft check-in information.

Definition

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

Fields

check_in.position	Integer	The position of the entity version: Set of values: <table border="1"> <thead> <tr> <th>Value</th><th>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>3rd level (e.g. 2.1.1)</td></tr> <tr> <td>3</td><td>4th level (e.g. 2.1.1.1)</td></tr> <tr> <td>null</td><td>Overwrite current version.</td></tr> </tbody> </table>	Value	Description	0	Major (e.g. 2)	1	Minor (e.g. 2.1)	2	3rd level (e.g. 2.1.1)	3	4th level (e.g. 2.1.1.1)	null	Overwrite current version.
Value	Description													
0	Major (e.g. 2)													
1	Minor (e.g. 2.1)													
2	3rd level (e.g. 2.1.1)													
3	4th level (e.g. 2.1.1.1)													
null	Overwrite current version.													
check_in.comment	String	The comment of the draft check in.												

5.2.36 DraftResponse

Object provides information on draft.

Definition

```
{
  "draft" : {...}
}
```

Fields

draft	Draft	Draft information.
-------	-----------------------	--------------------

5.2.37 DraftsResponse

Object provides public information on drafts.

Definition

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

Fields

categories	Category []	Categories of the draft.
entities	DraftStub []	Drafts. Fields <i>id</i> , <i>title</i> , <i>description</i> , <i>classification_code</i> , <i>public_classification_code</i> and <i>type</i> are always present.

size	Integer	The size of the draft collection.
page_size	Integer	The size of the page.
page_start	Integer	The beginning of the page.

5.2.38 DraftStub

Object provides public information on draft.

Definition

```
{
  "accessed" : "String - DateTime",
  "categories" : [],
  "created" : "String - DateTime",
  "creator" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "description" : "String",
  "effective_rights" : {},
  "id" : "String",
  "keywords" : [],
  "modified" : "String - DateTime",
  "modified_by" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "owner" : {},
  "properties" : [],
  "source_id" : "String",
  "template" : {
    "id" : "String",
    "uri" : "String - URI"
  },
  "title" : "String",
  "type" : "String"
}
```

Fields

accessed	String - DateTime	Date and time of the draft access.
categories	String []	Categories of the draft.
created	String - DateTime	Date and time of the draft creation.
creator	ObjectLink	The author of the draft.
description	String	A description of the draft.
effective_rights	EntityRights	Effective rights of current user on draft.
id	String	Unique identifier of a draft.
keywords	String []	Keywords of the draft.
modified	String - DateTime	Date and time of the draft change.
modified_by	DirectoryEntityLink	The user who last modified the draft.
owner	ObjectLink	The owner of the entity (draft).

properties	EntityProperty []	Draft properties.
source_id	String	Identifier of the entity from which the draft was made.
template	ObjectLink	Unique identifier of the draft template.
title	String	The title of the draft.
type	String	Draft type. The set of values: - DOCUMENT.

5.2.39 DraftStubResponse

Object provides public information on draft.

Definition

```
{
  "draft_stub" : {...}
}
```

Fields

draft_stub	DraftStub	Object provides information on draft.
------------	---------------------------	---------------------------------------

5.2.40 DraftUpdate

Object provides information on draft change.

Definition

```
{
  "categories" : [],
  "description" : "String",
  "keywords" : [],
  "owner" : "String",
  "physical_properties" : {},
  "properties" : [],
  "title" : "String",
}
```

Fields

categories	String []	Categories of the draft.
description	String	A description of the draft.
keywords	String []	Keywords of the draft.
owner	String	The owner of the entity (draft).
physical_properties	PhysicalPropertiesUpdate	Physical content properties (optional).
properties	EntityProperty []	Entity properties.
title	String	The title of the draft.

5.2.41 DraftUpdateRequest

Object provides request on update the draft.

Definition

```
{
  "draft_update" : {
    "title" : "String",
    "description" : "String",
    "owner" : "String",
    "categories" : [
      "String"
    ],
    "keywords" : [
      "String"
    ],
    "properties" : [
      {
        "id" : "String",
        "values" : [T]
      }
    ],
    "physical_properties" : {
      "current_location" : "String",
      "custodian" : "String",
      "description" : "String",
      "home_location" : "String",
      "id" : "String",
      "return_due" : "String - Date",
      "status" : "String"
    }
  }
}
```

Fields

draft_update	DraftUpdate	Object provides information on draft update.
--------------	-----------------------------	--

5.2.42 EmailProperties

Object provides information on email properties.

Definition

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

Fields

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

5.2.43 EntitiesResponse

Object provides public information on entities.

Definition

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

Fields

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

5.2.44 Entity

Object provides entity information.

Definition

```
{
  "links" : [
    {
      "type" : "entity:acl",
      "uri" : "String - URI"
    },
    {
      "type" : "entity:audit_log",
      "uri" : "String - URI"
    },
    {
      "type" : "nonrepudiation",
      "uri" : "String - URI"
    },
    {
      "type" : "objects",
      "uri" : "String - URI"
    },
    {
      "type" : "search",
      "uri" : "String - URI"
    },
    {
      "type" : "parent",
      "uri" : "String - URI"
    },
    {
      "type" : "entity:stub",
      "uri" : "String - URI"
    },
    {
      "type" : "entity#edit",
      "uri" : "String - URI"
    },
    {
      "type" : "entity#delete",
      "uri" : "String - URI"
    },
    {
      "type" : "entity:status#edit",
      "uri" : "String - URI"
    },
    {
      "type" : "entity:security_class#edit",
      "uri" : "String - URI"
    },
    {
      "type" : "entity#move",
      "uri" : "String - URI"
    }
  ],
  "classification_code" : "String",
  "public_classification_code" : "String",
  "type" : "String - CLASS/FOLDER/DOCUMENT",
  "created" : "String - DateTime",
  "accessed" : "String - DateTime",
  "modified" : "String - DateTime",
  "modified_by" : [
    {
      "email" : "String",
      "first_name" : "String",
      "id" : "String",
      "last_name" : "String",
      "type" : "String",
      "uri" : "String - URI"
    }
  ],
  "closed" : "String - DateTime",
  "opened" : "String - DateTime",
  "creator" : [
    {
      "email" : "String",
      "first_name" : "String",
      "id" : "String",
      "last_name" : "String",
      "type" : "String",
      "uri" : "String - URI"
    }
  ],
  "content_options" : [
    {
      "container_id" : "String",
      "label" : "String"
    }
  ]
}
```

```
"public" : false,
"read_only" : false,
"read_only_after_check_in" : false,
"read_only_after_create" : false,
"versionable" : false
}],
"objects" : [
  "container_id" : "String", // Optional
  "id" : "String",
  "description" : "String",
  "size" : 0,
  "created" : "String - DateTime",
  "accessed" : "String - DateTime",
  "modified" : "String - DateTime",
  "content_type" : "String",
  "extension" : "String",
  "child_count" : 0,
  "signed" : false,
  "indexed" : false,
  "parent_id" : "String",
],
"owner" : {
  "email" : "String",
  "first_name" : "String",
  "id" : "String",
  "last_name" : "String",
  "type" : "String",
  "uri" : "String - URI"
},
"description" : "",
"external_ids" : [
  "String"
],
"keywords" : [
  "String"
],
"categories" : [
  "String"
],
"security_class" : {
  "inherited" : true,
  "value" : "String"
},
"significance" : {
  "inherited" : true,
  "value" : "String"
},
"status" : {
  "inherited" : true,
  "value" : "String"
},
"title" : "String",
"template" : {
  "entity_type" : "String",
  "id" : "String",
  "label" : "String",
  "uri" : "String - URI"
},
"sub_entities_templates" : [
  {
    "id" : "String",
    "label" : "String",
    "uri" : "String - URI"
  }
],
"aip" : true,
"has_references" : true,
"version" : 1,
"version_label" : "String",
"check_in_comment" : "String",
"draft_creator" : {},
"has_versions" : true,
```

```
"has_draft" : true,
"draft_id" : "String",
"parent_id" : "String",
"permanent" : true,
"child_count" : 0,
"effective_rights" : {
    "read_access" : true,
    "write_access" : true,
    "move_access" : true,
    "delete_access" : true,
    "change_rights" : true,
    "create_sub_entities" : true,
    "change_security_class" : true,
    "change_status" : true
    "change_retention" : true
},
"properties" : [
    {
        "name" : "String",
        "description" : "String",
        "type" : "String - T",
        "options" : {
            "append_only" : false,
            "included_in_aip" : false,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : false,
            "read_only" : false,
            "required" : false,
            "searchable" : false,
            "unique" : false
        },
        "values" : [
            T
        ],
        "effective_rights" : {
            "create_access" : true,
            "delete_access" : true,
            "read_access" : true,
            "write_access" : true,
            "valid_from" : "String - DateTime",
            "valid_to" : "String - DateTime"
        }
    }
],
"retention" : {
    "policies" : [
        {
            "id" : "String",
            "uri" : "String - URI",
            "name" : "String",
            "description" : "String",
            "explicit_context" : {
                "scope" : "String - ALLOW/DENY",
                "filter" : {
                    "classes" : true,
                    "documents" : true
                },
                "effective" : true
            },
            "inherited_context" : [
                {
                    "scope" : "String - ALLOW/DENY",
                    "filter" : {
                        "classes" : true,
                        "folders" : true,
                        "documents" : true
                    },
                    "effective" : true
                }
            ],
            "links" : [

```

```
        "type" : "retention_policy#edit",
        "uri" : "String - URI",
      },
      {
        "type" : "retention_policy#delete",
        "uri" : "String - URI",
      }
    ]
  ],
  "disposition_holds" : [
    {
      "id" : "String",
      "uri" : "String - URI",
      "name" : "String",
      "description" : "String",
      "links" : [
        {
          "type" : "disposition_hold#delete",
          "uri" : "String - URI",
        }
      ]
    }
  ]
},
"child_classification_code_mode" : "String - AUTOMATIC/MANUAL/MANUAL_OPTIONAL",
"email_properties" : {
  "subject" : "String",
  "from" : "String",
  "to" : [
    "String"
  ],
  "cc" : [
    "String"
  ],
  "bcc" : [
    "String"
  ],
  "date" : "String - DateTime",
  "message_id" : "String",
  "priority" : "String",
  "signed" : true
},
"physical_properties" : {
  "current_location" : "String",
  "custodian" : "String",
  "description" : "String",
  "home_location" : "String",
  "id" : "String",
  "return_due" : "String - Date",
  "status" : "String",
  "status_change" : "String - DateTime"
}
}
```

Fields

links	Link []	Links to the entity. The set of links: - entity:acl: Link to the entity access rights. - entity:audit_log: Link to the entity audit log. - nonrepudiation: Link to the entity authenticity and integrity proofs. - objects: Link to the entity objects. - search: Link to the entity search. - parent: Link to the parent entity. - entity:stub: Link to the entity information. - entity#edit: Link to the entity edit action. - entity#delete: Link to the entity delete action. - entity:status#edit: Link to the entity status edit action. - entity:security_class#edit: Link to the entity security class edit action. - entity#move: Link to the entity move action.
classification_code	String	The canonical form of the full classification code.
public_classification_code	String	Entity classification code in the classification scheme.
id	String	Unique identifier of the entity.
type	String	Entity type. The set of types: - CLASS - FOLDER - DOCUMENT.
created	String - DateTime	Date and time of the entity creation.
accessed	String - DateTime	Date and time of the entity access.
modified	String - DateTime	Date and time of the entity change.
modified_by	DirectoryEntityLink	The user who last modified the entity.
closed	String - DateTime	Date and time of the entity status change to Closed.
opened	String - DateTime	Date and time of the entity status change to Opened.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.

has_references	Boolean	Specifies whether an entity has references.
version	Integer	The identifier of the entity version.
version_label	String	The label of the entity version.
check_in_comment	String	The comment of the version.
objects	ObjectStub []	A collection of the entity objects (optional).
draft_creator	DirectoryEntityLink	User who created draft.
has_versions	Boolean	Specifies whether an entity has versions.
has_draft	Boolean	Specifies whether an entity has draft.
draft_id	String	The identifier of draft.
parent_id	String	Unique identifier of the parent entity (optional).
creator	ObjectLink	The author of the entity.
content_options	EntityContentOption []	The properties of the content.
owner	ObjectLink	The owner of the entity.
description	String	A description of the entity.
external_ids	String	External identifier of the entity (unique value).
keywords	String	Keywords of the entity.
categories	String []	Categories of the entity.
security_class	InheritedStringProperty	The security class of the entity.
significance	InheritedStringProperty	The significance of the entity.
status	InheritedStringProperty	The status of the entity.
title	String	The title of the entity.
template	ObjectLink	The type of the template.
sub_entities_templates	ObjectLink []	Templates for sub-entities creation.
permanent	Boolean	The permanent entity.
child_count	Integer	The number of child entities.
effective_rights	EntityRights	Effective rights of current user on the entity.
properties	EntityProperty []	Entity properties.
retention	EntityRetention	Retention policies and disposition holds.
child_classification_code_mode	String	Child classification code generation.
email_properties	EmailProperties	Email properties.
physical_properties	PhysicalProperties	Physical content properties.

5.2.45 EntityACL

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

Definition

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

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

```

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

```

Fields

<code>entries</code>	EntityACLEntry []	The right to access the entity.
<code>property_entries</code>	EntityPropertyACL []	The right to access the entity property.

5.2.46 EntityACLCREATE

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

Definition

```

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

```

```

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

```

Fields

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

5.2.47 EntityACLEntry

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

Definition

```

{
    "id" : "String",
    "subject" : "String",
    "type" : "String",
    "links" : [
        {
            "type" : "entity:acl:entry#edit",
            "uri" : "String - URI"
        },
        {
            "type" : "entity:acl:entry#delete",
            "uri" : "String - URI"
        }
    ],
    "directory_entity" : {
        "email" : "String",
        "first_name" : "String",
        "id" : "String",
        "icon_url" : "String",
        "last_name" : "String",
        "uri" : "String - URI",
        "type" : "String"
    },
    "effective_rights" : {
        "write_access" : true,
        "move_access" : true,
        "delete_access" : true,
        "change_rights" : true,
        "create_sub_entities" : true,
        "create_references" : true,
        "change_security_class" : true,
        "change_status" : true,
        "change_retention" : true
    },
}

```

```

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

```

Fields

id	String	The identifier of the access right.
type	String	<p>The type of the access right.</p> <p>The set of values:</p> <ul style="list-style-type: none"> - DIRECTORY - ATTRIBUTE (IMiS®/ARChive Server 9.9 or higher).

subject	String	The identifier of the directory entity or an attribute.
links	Link []	Links on the entity access right (optional). The set of links: - entity:acl:entry#edit - entity:acl:entry#delete.
directory_entity	ObjectLink	Link to the user or group.
effective_rights	EntityRights	Effective rights of the entity.
explicit_allow_rights	EntityRights	Explicit allow rights to access the entity (optional).
explicit_deny_rights	EntityRights	Explicit deny rights to access the entity (optional).
inherited_allow_rights	EntityRights	Inherited allow rights to access the entity (optional).
inherited_deny_rights	EntityRights	Inherited deny rights to access the entity (optional).

5.2.48 EntityACLEntryRequest

Object provides request on entity explicit access rights information.

Definition

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

Fields

acl_entry	EntityACLEntryUpdate	Explicit allow and deny rights to update the entity.
-----------	--------------------------------------	--

5.2.49 EntityACLRequest

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

Definition

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

Fields

acl	EntityACLCREATE	The explicit right to create entity and entity properties.
-----	---------------------------------	--

5.2.50 EntityACLResponse

Object provides information on entity and its properties access rights.

Definition

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

Fields

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

5.2.51 EntityACLEntryCreate

Object creates the explicit access rights of the entity.

Definition

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

Fields

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

5.2.52 EntityACLEntryUpdate

Object updates an entity explicit access rights.

Definition

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

Fields

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

5.2.53 EntityACLEntryResponse

Object provides information on the entity access rights.

Definition

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

Fields

acl_entry	EntityACLEntry	Explicit and inherited access right to the entity and entity properties.
-----------	--------------------------------	--

5.2.54 EntityContentOption

Object provides information on entity content properties.

Definition

```
{
  "container_id" : "String",
  "effective_rights" : {
    "create_access" : true,
    "delete_access" : true,
    "read_access" : true,
    "write_access" : true
  },
  "public" : false,
  "read_only" : false,
  "read_only_after_check_in" : false,
  "read_only_after_create" : false,
  "signature_disposition" : "String",
  "versionable" : false
}
```

Fields

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

signature_disposition	String	Status of the digitally signed content. The set of values (optional): - SIGNED: only the digitally signed content which IMiS®/ARChive Server can verify is allowed. - VALID: only the digitally signed content which IMiS®/ARChive Server can verify and which is valid at the moment of verification is allowed (a valid digital signature, a certificate valid at the moment of verification, etc.).
versionable	Boolean	Specifies whether the content is versionable.

5.2.55 EntityCreate

Object creates an entity.

Definition

```
{
  "template" : "String",
  "title" : "String",
  "classification_code" : "String",
  "status" : {
    "inherited" : true,
    "value" : "String"
  },
  "security_class" : {
    "inherited" : true,
    "value" : "String"
  },
  "child_classification_code_mode" : "String - AUTOMATIC/MANUAL/MANUAL_OPTIONAL",
  "description" : "String",
  "owner" : "String",
  "objects" : [
    {
      "container_id" : "String",
      "description" : "String",
      "content_type" : "String",
      "content" : "String - Base64"
    }
  ],
  "significance" : {
    "inherited" : true,
    "value" : "String"
  },
  "external_ids" : ["String"],
  "keywords" : ["String"],
  "categories" : ["String"],
  "properties" : [
    {
      "id" : "String",
      "inherited" : false,
      "values" : [T]
    }
  ],
  "retention" : {
    "policies" : [
      {
        "id" : "String",
        "name" : "String",
        "scope" : "String - ALLOW/DENY",
        "filter" : {
          "classes" : true,
          "folders" : true,
          "documents" : true
        }
      }
    ],
    "disposition_holds" : [
      {
        "id" : "String"
      }
    ]
  }
}
```

```

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

```

Fields

template	String	Unique identifier of the template.
title	String	The title of the entity.
classification_code	String	The canonical form of the full classification code (optional).
status	InheritedStringProperty	The status of the entity (optional).
security_class	InheritedStringProperty	The security class of the entity (optional).
child_classification_code_mode	String	Child entity classification code generation (optional). The set of values: - AUTOMATIC - MANUAL - MANUAL_OPTIONAL.
description	String	A description of the entity. (optional)
owner	String	The owner of the entity (optional).
objects	EntityCreateObject []	A collection of the entity objects (optional).
significance	InheritedStringProperty	The significance of the entity (optional).
external_ids	String []	External identifier of the entity.
keywords	String []	Keywords of the entity.
categories	String []	Categories of the entity.
properties	EntityPropertyUpdate []	Entity properties.
retention	EntityRetentionCreate	Retention policies and disposition holds.
email_properties	EmailProperties	Email properties.
physical_properties	PhysicalPropertiesUpdate	Physical content properties.

5.2.56 EntityCreateObject

Object provides information on entity object create.

Definition

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

Fields

container_id	String	Unique identifier of the content object container (optional).
content	String - Base64	The content in Base64 format.
content_type	String	Content object type.
description	String	Content description (optional).

5.2.57 EntityCreateRequest

Object provides request on entity create.

Definition

```
{
  "entity_create" : {
    "template" : "String",
    "title" : "String",
    "classification_code" : "String",
    ...
  }
}
```

Fields

entity_create	EntityCreate	Entity creation.
---------------	------------------------------	------------------

5.2.58 EntityMoveRequest

Object provides request on entity move.

Definition

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

Fields

classification_code	String	The canonical form of the full classification code (optional).
reason	String	The reason for entity move.

5.2.59 EntityNonrepudiation

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

Definition

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

Fields

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

5.2.60 EntityNonrepudiationResponse

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

Definition

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

Fields

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

5.2.61 EntityOpenResponse

Object provides information on entity open.

Definition

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

Fields

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

5.2.62 EntityProperty

Object provides information on entity property.

Definition

```
{
  "id" : "String",
  "description" : "String",
  "type" : "String - T",
  "options" : {...},
  "values" : [T],
  "effective_rights" : {...},
  "inherited" : false,
  "label" : "String"
}
```

Fields

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

5.2.63 EntityPropertyACL

Object provides information on entity property access rights.

Definition

```
{
  "property_id" : "String",
  "entries" : [
    {
      "id" : "String",
      "type" : "String",
      "directory_entity" : {
        "email" : "String",
        "first_name" : "String",
        "id" : "String",
        "icon_url" : "String",
        "last_name" : "String",
        "uri" : "String - URI",
        "type" : "String"
      },
      "effective_rights" : {
        "create_access" : true,
        "delete_access" : true,
        "read_access" : true,
        "write_access" : true
      },
      "explicit_allow_rights" : { // Optional
        "create_access" : true,
        "delete_access" : true,
        "read_access" : true,
        "write_access" : true
      },
      "valid_from" : "String - DateTime", // Optional
    }
  ]
}
```

```

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

```

Fields

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

5.2.64 EntityPropertyACLCREATE

Object creates and entity property access rights.

Definition

```

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

```

Fields

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

5.2.65 EntityPropertyACLEntry

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

Definition

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

```

    "valid_from" : "String - DateTime", // Optional
    "valid_to" : "String - DateTime" // Optional
},
}

```

Fields

id	String	The identifier of the entity access right.
type	String	The type of entity access right. The set of values: - DIRECTORY - ATTRIBUTE (IMiS®/ARChive Server 9.9 or higher).
subject	String	Unique identifier of the directory entity or attribute.
links	Link []	Links to the entity property (optional). The set of links: - entity:acl:property_entry#edit - entity:acl:property_entry#delete.
directory_entity	DirectoryEntityLink	Unique identifier of the directory entity.
effective_rights	PropertyRights	Directory entity effective rights to access the entity property.
explicit_allow_rights	PropertyRights	Explicit allow rights to access entity property (optional).
explicit_deny_rights	PropertyRights	Explicit deny rights to access entity property (optional).
inherited_allow_rights	PropertyRights	Inherited allow rights to access entity property (optional).
inherited_deny_rights	PropertyRights	Inherited deny rights to access entity property (optional).

5.2.66 EntityPropertyACLEntryResponse

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

Definition

```
{
  "property_acl_entry" : {...}
}
```

Fields

property_acl_entry	EntityPropertyACLEntry	The right to access the entity property.
--------------------	--	--

5.2.67 EntityPropertyACLEntryRequest

Object provides request on entity property explicit access rights information.

Definition

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

Fields

property_acl_entry	EntityPropertyACLEntryUpdate	The right to update the entity property.
--------------------	--	--

5.2.68 EntityPropertyACLEntryCreate

Object creates an entity property access rights.

Definition

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

Fields

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

5.2.69 EntityPropertyACLEntryUpdate

Object updates an entity property access rights.

Definition

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

Fields

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

5.2.70 EntityPropertyUpdate

Object updates an entity property.

Definition

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

Fields

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

5.2.71 EntityReference

Object provides information on entity reference.

Definition

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

Fields

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

5.2.72 EntityReferenceCreateEntry

Object provides information on entity reference identifier.

Definition

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

Fields

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

5.2.73 EntityReferenceCreateRequest

Object provides request on entity reference create.

Definition

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

Fields

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

5.2.74 EntityReferenceResponse

Object provides information on entity reference.

Definition

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

Fields

reference	EntityReference	The entity reference information.
-----------	---------------------------------	-----------------------------------

5.2.75 EntityReferencesResponse

Object provides information on entity references.

Definition

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

Fields

references	EntityReference []	The collection of entity references.
------------	------------------------------------	--------------------------------------

5.2.76 EntityResponse

Object provides entity information.

Definition

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

Fields

entity	Entity	Entity information.
save_report	String	Entity save log.

5.2.77 EntityRetention

Object provides information on entity retention policies and disposition holds.

Definition

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

Fields

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

5.2.78 EntityRetentionCreate

Object creates the entity retention policies and disposition holds.

Definition

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

Fields

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

5.2.79 EntityRetentionDispositionHoldCreate

Object creates an entity disposition hold.

Definition

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

Fields

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

5.2.80 EntityRetentionDispositionHoldEntry

Object provides information on entity disposition hold.

Definition

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

Fields

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

5.2.81 EntityRetentionDispositionHoldsRequest

Object provides request on entity disposition holds.

Definition

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

Fields

<code>disposition_holds</code>	EntityRetentionDispositionHoldCreate []	Entity disposition holds.
--------------------------------	---	---------------------------

5.2.82 EntityRetentionDispositionHoldsResponse

Object provides information on entity disposition holds.

Definition

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

Fields

<code>disposition_holds</code>	EntityRetentionDispositionHoldEntry []	Entity disposition holds.
--------------------------------	--	---------------------------

5.2.83 EntityRetentionPoliciesRequest

Object provides request on the entity retention policies.

Definition

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

Fields

retention_policies	EntityRetentionPolicyEntryCreate []	The information on entity retention policies.
--------------------	---	---

5.2.84 EntityRetentionPoliciesResponse

Object provides information on entity retention policies.

Definition

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

Fields

retention_policies	EntityRetentionPolicyEntry []	The information on entity retention policies.
--------------------	---	---

5.2.85 EntityRetentionPolicyContext

Object provides information on entity retention policy context.

Definition

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

Fields

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

5.2.86 EntityRetentionPolicyContextFilter

Object provides information on entity retention policy context filter.

Definition

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

Fields

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

5.2.87 EntityRetentionPolicyEntry

Object provides information on entity retention policy.

Definition

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

```

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

```

Fields

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

5.2.88 EntityRetentionPolicyEntryCreate

Object creates an entity retention policy.

Definition

```

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

```

Fields

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

5.2.89 EntityRetentionPolicyEntriesUpdateRequest

Object provides request on update the collection of retention policies.

Definition

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

Fields

retention_policies	EntityRetentionPolicyEntryUpdate []	The information on retention policies.
--------------------	---	--

5.2.90 EntityRetentionPolicyEntriesUpdateResponse

Object provides information on entity retention policy update.

Definition

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

Fields

retention_policies	EntityRetentionPolicyEntry []	The information on retention policies.
--------------------	---	--

5.2.91 EntityRetentionPolicyEntryUpdate

Object updates an entity retention policy.

Definition

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

Fields

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

5.2.92 EntityRetentionPolicyEntryRequest

Object provides request to the entity retention policy.

Definition

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

Fields

retention_policy	EntityRetentionPolicyEntryUpdate	Entity retention policy.
------------------	--	--------------------------

5.2.93 EntityRetentionPolicyEntryResponse

Object provides information on entity retention policy.

Definition

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

Fields

retention_policy	EntityRetentionPolicyEntry	Entity retention policy.
------------------	--	--------------------------

5.2.94 EntityRights

Object provides information on entity access rights.

Definition

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

Fields

read_access	Boolean	The right to read the entity.
write_access	Boolean	The right to write the entity.
move_access	Boolean	The right to move the entity.
delete_access	Boolean	The right to delete the entity.
change_rights	Boolean	The right to change entity access rights.
create_sub_entities	Boolean	The right to create sub-entities.
create_references	Boolean	The right to create references.
change_security_class	Boolean	The right to change entity security class.
change_status	Boolean	The right to change entity status.
change_retention	Boolean	The right to change entity retention policies and disposition holds.
valid_from	String - DateTime	The validity of the access rights from a given date and time (optional).
valid_to	String - DateTime	The validity of the access rights until a given date and time (optional).
delegate_context	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.
enabled_for_subtree	Boolean	Specifies whether the inheritance of access right on contained entities is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabled_for_this	Boolean	Specifies whether the access right on the current entity is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.

5.2.95 EntityStatusUpdateRequest

Object provides request to update the entity status.

Definition

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

Fields

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

5.2.96 EntityStatusUpdateResponse

Object provides information on entity status update.

Definition

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

Fields

status	InheritedStringProperty	Status value.
--------	---	---------------

5.2.97 EntitySecurityClassUpdateRequest

Object provides request to update the entity security class.

Definition

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

Fields

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

5.2.98 EntitySecurityClassUpdateResponse

Object provides information on entity security class update.

Definition

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

Fields

security_class	InheritedStringProperty	Value of the security class.
----------------	---	------------------------------

5.2.99 EntityStub

Object provides public entity information.

Definition

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

```
"accessed" : "String - DateTime",
"modified" : "String - DateTime",
"modified_by" : {...},
"closed" : "String - DateTime",
"opened" : "String - DateTime",
"creator" : {
    "id" : "String",
    "uri" : "String - URI"
},
"owner" : {
    "id" : "String",
    "uri" : "String - URI"
},
"description" : "",
"external_ids" : [
    "String"
],
"keywords" : [
    "String"
],
"categories" : [
    "String"
],
"security_class" : {
    "inherited" : true,
    "value" : "String"
},
"significance" : {
    "inherited" : true,
    "value" : "String"
},
"status" : {
    "inherited" : true,
    "value" : "String"
},
"title" : "String",
"template" : {
    "id" : "String",
    "uri" : "String - URI"
},
"sub_entities_templates" : [{{
    "id" : "String",
    "uri" : "String - URI"
}}],
"aip" : true,
"has_references" : true,
"version" : 1,
"version_label" : "String",
"check_in_comment" : "String",
"draft_creator" : {},
"has_versions" : true,
"has_draft" : true,
"draft_id" : "String",
"parent_id" : "String",
"child_classification_code_mode" : "String - AUTOMATIC/MANUAL/MANUAL_OPTIONAL",
"permanent" : true,
"child_count" : 0,
"effective_rights" : {
    "read_access" : true,
    "write_access" : true,
    "move_access" : true,
    "delete_access" : true,
    "change_rights" : true,
    "create_sub_entities" : true,
    "create_references" : true,
    "change_security_class" : true,
    "change_status" : true,
    "change_retention" : true
},
"properties" : [{
    "id" : "String",
    "label" : "String",
    "value" : "String"
}]]
```

```
"description" : "String",
"type" : "String - T",
"options" : {...},
"values" : [T],
"effective_rights" : {
    "create_access" : true,
    "delete_access" : true,
    "read_access" : true,
    "write_access" : true
}
],
"retention" : {
    "policies" : [
        {
            "id" : "String",
            "uri" : "String - URI",
            "name" : "String",
            "description" : "String",
            "explicit_context" : {
                "scope" : "String - ALLOW/DENY",
                "filter" : {
                    "classes" : true,
                    "folders" : false,
                    "documents" : false
                },
                "effective" : true
            },
            "inherited_context" : [
                {
                    "scope" : "String - ALLOW/DENY",
                    "filter" : {
                        "classes" : true,
                        "folders" : false,
                        "documents" : false
                    },
                    "effective" : true
                }
            ],
            "links" : [
                {
                    "type" : "retention_policy#edit",
                    "uri" : "String - URI",
                    ...
                },
                {
                    "type" : "retention_policy#delete",
                    "uri" : "String - URI",
                    ...
                }
            ]
        }
    ],
    "disposition_holds" : [
        {
            "id" : "String",
            "uri" : "String - URI",
            "name" : "String",
            "description" : "String",
            "links" : [
                {
                    "type" : "disposition_hold#delete",
                    "uri" : "String - URI",
                    ...
                }
            ]
        }
    ]
}
```

Fields

links	Link []	Links to the entity. The set of links: - entity:acl - entity:audit_log - nonrepudiation - objects - search - parent - entity#edit - entity#delete - entity:status#edit - entity:security_class#edit - entity#move - entity.
classification_code	String	The canonical form of the full classification code.
public_classification_code	String	Entity classification code in the classification scheme.
id	String	Unique identifier of the entity.
type	String	Entity type. The set of types: - CLASS - FOLDER - DOCUMENT.
created	String - DateTime	Date and time of the entity creation.
accessed	String - DateTime	Date and time of the entity access.
modified	String - DateTime	Date and time of the entity change.
modified_by	DirectoryEntityLink	The last entity modifier.
closed	String - DateTime	Date and time of the entity status change to Closed.
opened	String - DateTime	Date and time of the entity status change to Opened.
creator	ObjectLink	The author of the entity.
owner	ObjectLink	The owner of the entity.
description	String	A description of the entity.
external_ids	String	External identifier of the entity (unique value).
keywords	String	Keywords of the entity.

categories	String []	Categories of the entity.
security_class	InheritedStringProperty	The security class of the entity.
significance	InheritedStringProperty	The significance of the entity.
status	InheritedStringProperty	The status of the entity.
title	String	The title of the entity.
template	ObjectLink	Template type.
sub_entity_templates	ObjectLink []	Templates for sub-entities creation.
permanent	Boolean	Permanent entity.
child_count	Int	Number of child entities.
effective_rights	EntityRights	Effective rights of current user on the entity.
properties	EntityProperty []	Entity properties.
retention	EntityRetention	Retention policies and disposition holds.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.
has_references	Boolean	Specifies whether an entity has references.
version	Integer	The identifier of the entity version.
version_label	String	The label of the Entity version.
check_in_comment	String	The comment of the version.
draft_creator	DirectoryEntityLink	User who created draft.
has_versions	Boolean	Specifies whether an entity has versions.
has_draft	Boolean	Specifies whether an entity has draft.
draft_id	String	The identifier of draft.
parent_id	String	Child entity classification code generation (optional). The set of values: - AUTOMATIC - MANUAL - MANUAL_OPTIONAL.
child_classification_code_mode	String	Child entity classification code generation.

5.2.100 EntityStubResponse

Object provides entity public information.

Definition

```
{
  "entity_stub" : {
    "classification_code" : "String",
    "public_classification_code" : "String",
    "id" : "String",
    "type" : "String - CLASS/FOLDER/DOCUMENT",
    ... (SEE DEFINITION OF ENTITYSTUB OBJECT)
  }
}
```

Fields

entity_stub	EntityStub	Public entity information.
-------------	----------------------------	----------------------------

5.2.101 EntityUpdate

Object provides information on entity update.

Definition

```
{
  "title" : "String",
  "child_classification_code_mode" : "String - AUTOMATIC/MANUAL/MANUAL_OPTIONAL",
  "description" : "String",
  "owner" : "String",
  "significance" : {
    "inherited" : true,
    "value" : "String"
  },
  "external_ids" : [
    "String"
  ],
  "keywords" : [
    "String"
  ],
  "categories" : [
    "String"
  ],
  "properties" : [
    {
      "id" : "String",
      "values" : [T]
    }
  ],
  "physical_properties" : {
    "current_location" : "String",
    "custodian" : "String",
    "description" : "String",
    "home_location" : "String",
    "id" : "String",
    "return_due" : "String - Date",
    "status" : "String"
  }
}
```

Fields

title	String	The title of the entity (optional).
child_classification_code_mode	String	Child entity classification code generation (optional). The set of values: - AUTOMATIC - MANUAL - MANUAL_OPTIONAL.
description	String	A description of the entity (optional).
owner	String	The owner of the entity (optional).
significance	InheritedStringProperty	The significance of the entity (optional).
external_ids	String []	External identifiers of the entity (optional).
keywords	String []	Keywords of the entity (optional).
categories	String []	Categories of the entity (optional).
properties	EntityPropertyUpdate []	Entity properties (optional).
email_properties	EmailProperties	Email properties (optional).
physical_properties	PhysicalPropertiesUpdate	Physical content properties (optional).

5.2.102 EntityUpdateRequest

Object provides request to update the entity.

Definition

```
{
  "entity_update" : {
    "title" : "String",
    "description" : "String",
    "owner" : "String",
    ...
  }
}
```

Fields

entity_update	EntityUpdate	Entity update.
---------------	------------------------------	----------------

5.2.103 InheritedStringProperty

Object provides information on entity property with the inherited value.

Definition

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

Fields

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

5.2.104 Link

Object provides the link to entities.

Definition

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

Fields

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

5.2.105 ObjectLink

Identifier of the content object linked to the entity.

Definition

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

Fields

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

5.2.106 ObjectManageRequest

Object provides request on marking the entity content object.

Definition

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

Fields

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

5.2.107 ObjectsResponse

Object provides information on entity content objects.

Definition

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

```

        "write_access": true
    },
    "links": [
        {
            "type": "content",
            "uri": "String - URI"
        },
        {
            "type": "content_with_metadata",
            "uri": "String - URI"
        }
    ],
    "child_count": 0,
    "signed": false,
    "indexed": false,
    "children": [],
    "parent_id": "String"
}
],
"parent_id": "String"
}
]
}

```

Fields

objects	ObjectStub []	Entity content objects.
---------	-------------------------------	-------------------------

5.2.108 ObjectStage

Object provides information on object properties.

Definition

```
{
    "id" : "String",
    "size" : 0,
    "content_type" : "String",
    "extension" : "String",
}
```

Fields

id	String	Unique identifier of the content object
size	Integer	The content object size (in bytes).
content_type	String	Content object type.
extension	String	Extension of the content object file.

5.2.109 ObjectStageResponse

Object provides information on object properties.

Definition

```
{
    "object" : {
        "id" : "String",
        "size" : 0,
        "content_type" : "String"
        ...
    }
}
```

Fields

object	ObjectStage	Provides information on object properties.
--------	-----------------------------	--

5.2.110 ObjectStub

Object provides public information on entity object properties.

Definition

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

Fields

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

indexed	Boolean	Value that shows whether the physical content is indexed.
parent_id	String	Unique identifier of the parent physical content (optional).
children	ObjectStub []	A collection of child objects.

5.2.111 ObjectStubResponse

Object provides information on entity object properties.

Definition

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

Fields

object	ObjectStub	Provides information on object properties.
--------	----------------------------	--

5.2.112 PasswordChangeRequest

Object provides information on password change.

Definition

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

Fields

new_password	String	New password.
old_password	String	Current password.

5.2.113 PhysicalProperties

Object provides information on entity physical content properties.

Definition

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

Fields

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

5.2.114 PhysicalPropertiesUpdate

Object updates an entity physical properties.

Definition

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

Fields

current_location	String	The current location of the physical content.
custodian	String	The custodian of the content.
description	String	A description of the content.
home_location	String	The home location of the content.
id	String	The identifier of the physical content.

return_due	String - Date	The return date of the issued content.
status	String	The status of the content.

5.2.115 Property

Object provides information on entity property.

Definition

```
{
  "description" : "String",
  "label" : "String",
  "id" : "String",
  "options" : {...},
  "type" : "String - T",
  "values" : [T]
}
```

Fields

description	String	A description of the attribute property.
label	String	The property label.
id	String	Unique identifier of the attribute property.
options	PropertyOptions	The attribute property options.
type	String	Attribute property type. The set of types: - BINARY - BOOL - DATE - DATE_TIME - DECIMAL1 - DECIMAL2 - DECIMAL3 - DECIMAL4 - DECIMAL5 - DECIMAL6 - DECIMAL7 - DECIMAL8 - DECIMAL9 - DECIMAL10 - DIRECTORY_ENTITY - DOUBLE - INT8 - INT16 - INT32 - INT64 - INT128 - STRING10 - STRING20

		<ul style="list-style-type: none"> - STRING30 - STRING40 - STRING50 - STRING100 - STRING200 - STRINGMAX - TIME - UINT8 - UINT16 - UINT32 - UINT64 - UINT128. 																				
values	T []	<p>The set of values is dynamic and depends on type and properties (optional). If <i>options.pick_list</i> is true see PropertyValue, otherwise the set of values depend on the <i>type</i>:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Metadata type</th><th style="text-align: left;">T</th></tr> </thead> <tbody> <tr> <td>BINARY</td><td>PropertyBinaryValue</td></tr> <tr> <td>BOOL</td><td>Boolean</td></tr> <tr> <td>DATE</td><td>String - Date</td></tr> <tr> <td>DATE_TIME</td><td>String - DateTime</td></tr> <tr> <td>DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE</td><td>Double</td></tr> <tr> <td>DIRECTORY_ENTITY</td><td>DirectoryEntityLink</td></tr> <tr> <td>INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128</td><td>Int</td></tr> <tr> <td>STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX</td><td>String</td></tr> <tr> <td>TIME</td><td>String - Time</td></tr> </tbody> </table>	Metadata type	T	BINARY	PropertyBinaryValue	BOOL	Boolean	DATE	String - Date	DATE_TIME	String - DateTime	DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE	Double	DIRECTORY_ENTITY	DirectoryEntityLink	INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128	Int	STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX	String	TIME	String - Time
Metadata type	T																					
BINARY	PropertyBinaryValue																					
BOOL	Boolean																					
DATE	String - Date																					
DATE_TIME	String - DateTime																					
DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE	Double																					
DIRECTORY_ENTITY	DirectoryEntityLink																					
INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128	Int																					
STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX	String																					
TIME	String - Time																					

5.2.116 PropertyBinaryValue

Object provides information on Binary property value.

Definition

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

Fields

content	String - Base64	The content.
content_type	String	The content type.
size	Integer	The size of the content.

5.2.117 PropertyOptions

Object provides information on entity property options.

Definition

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

Fields

append_only	Boolean	Entity property values can only append.
full_text_indexed	Boolean	Specifies whether the attribute is full text indexed.
included_in_aip	Boolean	Entity property values are part of the archival information package.
inherited	Boolean	Entity property values are inherited from the parent entity.
multi_value	Boolean	Entity property has multiple values.
non_empty	Boolean	Entity property value can't be empty.
pick_list	Boolean	Entity property has multiple values.
public	Boolean	Entity property is publicly accessible to all users.

read_only	Boolean	Entity property value cannot be changed.
read_only_after_check_in	Boolean	Entity property is read only after new version creation.
read_only_after_create	Boolean	Entity property is read only after entity creation.
required	Boolean	Entity property value is mandatory.
searchable	Boolean	Entity property is searchable.
unique	Boolean	Entity property value must be unique.
versionable	Boolean	Entity property is versionable.

5.2.118 PropertyRights

Object provides information on entity property access rights.

Definition

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

Fields

create_access	Boolean	The right to create attributes property.
delete_access	Boolean	The right to delete attributes property.
read_access	Boolean	The right to read attributes property.
write_access	Boolean	The right to write attributes property.
valid_to	String - DateTime	The validity of the attribute property access rights from a given date and time (optional).
valid_from	String - DateTime	The validity of the attribute property access rights until a given date and time (optional).
delegate_context	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.
enabled_for_subtree	Boolean	Specifies whether the inheritance of access right on contained entities is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabled_for_this	Boolean	Specifies whether the access right on the current entity is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.

5.2.119 PropertyValue

Object provides information on attribute property value.

Definition

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

Fields

key	String	The key attribute property value.
value	T	<p>Attribute property value is dynamic. Set of the possible values based on the property type:</p> <ul style="list-style-type: none"> - BINARY: See PropertyValue - BOOL: Boolean - DATE: See String - Date - DATE_TIME: See String - DateTime - DECIMAL1, DECIMAL2, DECIMAL3, DECIMAL4, DECIMAL5, DECIMAL6, DECIMAL7, DECIMAL8, DECIMAL9, DECIMAL10, DOUBLE: Double - DIRECTORY_ENTITY: See ObjectLink - INT8, INT16, INT32, INT64, INT128, UINT8, UINT16, UINT32, UINT64, UINT128: Int - STRING10, STRING20, STRING30, STRING40, STRING50, STRING100, STRING200, STRINGMAX: String - TIME: See String - Time.

5.2.120 RetentionPoliciesResponse

Object provides information on retention policies.

Definition

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

Fields

retention_policies	RetentionPolicy []	The information on retention policies.
--------------------	------------------------------------	--

5.2.121 RetentionPolicy

Object provides information on retention policy.

Definition

```
{
  "id" : "String",
  "name" : "String",
  "accessed" : "String - DateTime",
  "created" : "String - DateTime",
  "modified" : "String - DateTime",
  "action" : "String",
  "creator" : {
    "id" : "String",
    ...
  },
  "description" : "String",
  "detailed_description" : "String",
  "reason" : "String",
  "trigger" : "String",
  "mandates" : [
    {
      "id" : "String",
      "description" : "String",
      "size" : 1,
      ...
    }
  ]
}
```

Fields

id	String	Unique identifier of the entity retention policy.
name	String	The name of the entity retention policy.
accessed	String - DateTime	Date and time of the entity retention policy access.
created	String - DateTime	Date and time of the entity retention policy creation.
modified	String - DateTime	Date and time of the entity retention policy update.
action	String	Default action of the entity retention policy.
creator	ObjectLink	The author of the entity retention policy.
description	String	A description of the entity retention policy.
detailed_description	String	A detailed description of the entity retention policy.
reason	String	The reason for entity retention policy creation.
trigger	String	Search string to determine a time frame of a entity retention period.
mandates	ObjectStub []	The information on retention policy mandate.

5.2.122 RetentionPolicyResponse

Object provides information on retention policy.

Definition

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

Fields

retention_policy	RetentionPolicy	Entity retention policy information.
------------------	---------------------------------	--------------------------------------

5.2.123 Review

Object provides information on review.

Definition

```
{
  "accessed" : "String - DateTime",
  "action" : "String",
  "aip" : true,
  "comments" : "String",
  "closed" : "String - DateTime",
  "created" : "String - DateTime",
  "creator" : {
    "id" : "String",
    ...
  },
  "description" : "String",
  "documents" : [...],
  "effective_rights" : {...},
  "id" : "String",
  "items" : [...],
  "keywords" : ["String"],
  "members" : ["String"],
  "message" : "String",
  "modified" : "String - DateTime",
  "modified_by" : {
    "id" : "String",
    ...
  },
  "opened" : "String - DateTime",
  "owner" : {
    "id" : "String",
    ...
  },
  "retention_policies" : []
}
```

```

    "status" : {...},
    "state" : "String",
    "title" : "String",
    "scope" : {...}
}
```

Fields

accessed	String - DateTime	Date and time of the review access.
action	String	Default action of the review.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.
comments	String	The comment of the review.
closed	String - DateTime	Date and time of the entity status update to Closed.
created	String - DateTime	Date and time of the review creation.
creator	DirectoryEntityLink	The author of the review.
description	String	A description of the review (optional).
documents	EntityStub []	Documents of the review (optional).
effective_rights	EntityRights	Effective rights of the current user on the review.
id	String	Unique identifier of the review.
items	ReviewItemEntry []	The pages of the review (optional).
keywords	String []	Keywords of the review (optional).
members	String []	The review members (optional).
message	String	The review message.
modified	String - DateTime	Date and time of the review modification.
opened	String - DateTime	Date and time of the review open.
owner	DirectoryEntityLink	The owner of the review.
retention_policies	RetentionPolicy []	The retention policies of the review.
state	String	The review state.
title	String	The title of the review.

5.2.124 ReviewCreate

Object creates a review.

Definition

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

Fields

action	String	Default action of the review.
comments	String	The comments of the review (optional).
description	String	A description of the review (optional).
keywords	String []	Keywords of the review (optional).
members	String []	The review members (optional).
owner	String	The owner of the review (optional).
retention_policies	String []	The retention policies identifier (optional; if query_expression is present, this field must not be sent).
scope_id	String	The identifier of the entity (optional).
scope_id_type	String	Entity identifier type (optional). The set of values: - C - I (default value) - E.
status	InheritedStringProperty	The status of the review (optional).
title	String	The title of the review.
query_expression	String	The query expression (optional; if retention_policies is present, this field must not be sent).

5.2.125 ReviewCreateRequest

Object provides request to create the review.

Definition

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

Fields

review	ReviewCreate	The review creation.
--------	------------------------------	----------------------

5.2.126 ReviewCreateHandleRequest

Object provides request to create the review.

Definition

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

Fields

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

5.2.127 ReviewEntityStub

Object provides information on entity of the review page.

Definition

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

Fields

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

5.2.128 ReviewEntityStubUpdate

Object updates entity of the review page.

Definition

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

Fields

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

5.2.129 ReviewEntityStubUpdateRequest

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

Definition

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

Fields

entity	ReviewEntityStubUpdate	The entity of the review page information.
--------	--	--

5.2.130 ReviewEntityStubResponse

Object provides information on entity of the review page.

Definition

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

Fields

entity	ReviewEntityStub	The entity of the review page information.
--------	----------------------------------	--

5.2.131 ReviewUpdate

Object provides information on entity update.

Definition

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

Fields

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

5.2.132 ReviewUpdateRequest

Object provides request to update the review.

Definition

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

Fields

review	ReviewUpdate	The review information.
--------	------------------------------	-------------------------

5.2.133 ReviewItem

Object provides information on review page.

Definition

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

Fields

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

5.2.134 ReviewItemEntry

Object provides information on review page.

Definition

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

Fields

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

5.2.135 ReviewItemResponse

Object provides information on review page.

Definition

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

Fields

item	ReviewItem	The information on review page.
------	----------------------------	---------------------------------

5.2.136 ReviewsResponse

Object provides information on reviews.

Definition

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

Fields

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

5.2.137 ReviewResponse

Object provides information on review.

Definition

```
{
  "review" : {
    "accessed" : "String - DateTime",
    "aip" : true,
    "comments" : "String",
    "created" : "String - DateTime",
    ...
  }
}
```

Fields

review	Review	The review information.
--------	------------------------	-------------------------

5.2.138 ReviewStub

Operation reads an entity save log.review.

Definition

```
{
  "accessed" : "String - DateTime",
  "aip" : true,
  "closed" : "String - DateTime",
  "created" : "String - DateTime",
  "creator" : {
    "id" : "String",
    ...
  },
  "description" : "String",
  "effective_rights" : {...},
  "id" : "String",
  "keywords" : ["String"],
  "message" : "String",
  ...
}
```

```

"modified" : "String - DateTime",
"modified_by" : {
    "id" : "String",
    ...
},
"opened" : "String - DateTime",
"owner" : {
    "id" : "String",
    ...
},
"retention_policies" : [],
"status" : {...},
"state" : "String",
"title" : "String",
"scope" : {...}
}

```

Fields

accessed	String - DateTime	Date and time of the review access.
aip	Boolean	Specifies whether authenticity and integrity proofs exist.
closed	String - DateTime	Date and time of the review status update to Closed.
created	String - DateTime	Date and time of the review creation.
creator	DirectoryEntityLink	The author of the review.
description	String	A description of the review (optional).
effective_rights	EntityRights	Effective rights of the current user on the review.
id	String	Unique identifier of the review.
keywords	String []	Keywords of the review (optional).
message	String	The review message.
modified	String - DateTime	Date and time of the review modification.
modified_by	DirectoryEntityLink	The directory entity who last modified the review.
opened	String - DateTime	Date and time of the review open.
owner	DirectoryEntityLink	The owner of the review.
state	String	The review state.
status	InheritedStringProperty	The status of the review.
title	String	The title of the review.
scope	EntityStub	The scope of the review (optional).

5.2.139 SaveLogResponse

Object provides information on entity save log.

Definition

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

Fields

save_logs	String []	The entity save logs.
-----------	-----------	-----------------------

5.2.140 SearchEntity

Object provides information on entity search.

Definition

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

Fields

classification_code	String	The canonical form of the full classification code.
public_classification_code	String	Entity classification code in the classification scheme.
objects	SearchEntityObject []	Content objects in the entity search result.
id	String	Unique identifier of the entity.
links	Link []	Links to the entity (optional).
title	String	The title of the entity.
type	String	Entity types. The set of types: - CLASS - FOLDER - DOCUMENT.

5.2.141 SearchEntityObject

Object provides information on entity content objects search.

Definition

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

Fields

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

5.2.142 SearchResponse

Object provides information on entity search.

Definition

```
{
  "categories" : [],
  "max_elements" : 0,
  "page_size" : 0,
  "page_start" : 0,
  "results" : [
    {
      "classification_code" : "String",
      "public_classification_code" : "String",
      "objects" : [
        {
          "description" : "String"
        }
      ],
      "id" : "String",
      "links" : [],
      "title" : "String",
      "type" : "String - CLASS/FOLDER/DOCUMENT"
    },
    "size" : 0,
    "truncated" : false
  ]
}
```

Fields

categories	Category []	Categories of the entity.
max_elements	Integer	Maximum number of search elements (optional).
page_size	Integer	The size of the page (optional).
page_start	Integer	The beginning of the page (optional).
results	SearchEntity []	Entities in the search result.
size	Integer	The size of the collection.
truncated	Boolean	Specifies whether the collection is truncated (optional).

5.2.143 SessionCloseRequest

Object provides request to close the session.

Definition

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

Fields

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

5.2.144 SessionOpenRequest

Object provides request to open the session.

Definition

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

Fields

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

5.2.145 SessionOpenResponse

Object provides information on opening the session.

Definition

```
{
  "api_version" : 6,
  "service_name" : "String",
  "service_version" : 700,
  "token" : "String"
}
```

Fields

api_version	Int	API version.
service_name	String	The name of the archive service.
service_version	Integer	The version of the archive service.
token	String	Unique identifier of the session (token).

5.2.146 String - Date

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

Format: "yyyy-MM-ddZ".

Example: "2019-10-01+02:00", "2019-10-01Z".

5.2.147 String - DateTime

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

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

Example: "2019-10-01T12:30:01.000+02:00", "2019-10-01T10:30:01.000Z".

5.2.148 String - Time

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

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

Example: "12:30:01.000+02:00", "12:30:01.000Z".

5.2.149 SystemProperties

Object provides information on system properties.

Definition

```
"system_properties": {
    "title": {...},
    "description": {...},
    "keywords": {...},
    "status": {...},
    "security_class": {...},
    "owner": {...},
    "external_ids": {...},
    "opened": {...},
    "closed": {...},
    "creator": {...},
    "physical_properties": {...},
    "email_properties": {...},
    "significance": {...}
}
```

Fields

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

5.2.150 Template

Object provides information on template.

Definition

```
{
    "template": {
        "id": "String",
        "label": "String",
        "description": "String",
        "entity_count": 0,
        "entity_type": "String - CLASS/DOCUMENT/FOLDER",
        "properties": [
            {
                "name": "String",

```

```

    "description": "String",
    ...
},
"physical_properties": true,
"email_properties": true,
"versionable": true,
"security_class_values": ["String"],
"status_values": ["String"],
"significance_values": ["String"],
"physical_property_status_values": ["String"],
"system_properties": {...}
}
}

```

Fields

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

5.2.151 TemplateLink

Object provides information on template link.

Definition

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

Fields

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

5.2.152 TemplateEmailProperties

Object provides information on email properties.

Definition

```
{
  "subject": {...},
  "from": {...},
  "to": {...},
  "cc": {...},
  "bcc": {...},
  "date": {...},
  "message_id": {...},
  "priority": [...],
  "signed": {...}
}
```

Fields

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

5.2.153 TemplatePhysicalProperties

Object provides information on physical properties.

Definition

```
{
  "id": {...},
  "description": {...},
  "status": {...},
  "status_change": {...},
  "home_location": {...},
  "current_location": {...},
  "custodian": {...},
  "return_due": {...}
}
```

Fields

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

5.2.154 TemplateResponse

Object provides information on template.

Definition

```
{
  "template": {
    "id": "String",
    "description": "String",
    "entity_count": 0,
    "entity_type": "String - CLASS/DOCUMENT/FOLDER/UNKNOWN",
    ...
  }
}
```

Fields

template	Template	The template information.
----------	--------------------------	---------------------------

5.2.155 TemplatesResponse

Object provides information on templates.

Definition

```
{
  "templates": [
    {
      "id": "String",
      "description": "String",
      "entity_count": 0,
      "entity_type": "String - CLASS/DOCUMENT/FOLDER/UNKNOWN",
      "properties": [
        {
          "name": "String",
          "description": "String",
          "type": "String - T",
          ...
        },
        "physical_properties": true,
        "email_properties": true,
        "security_class_values": ["String"],
        "status_values": ["String"],
        "significance_values": ["String"],
        "physical_property_status_values": ["String"],
        "system_properties": {...}
      ]
    }
  ]
}
```

Fields

templates	Template []	The information on templates.
-----------	-----------------------------	-------------------------------

5.2.156 VersionsResponse

Object provides information on entity versions.

Definition

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

Fields

versions	EntityStub []	The information on versions.
----------	-------------------------------	------------------------------

5.3 Start page

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

IMiS/StorageConnector Services REST

The IMiS®/StorageConnector Services REST lets you integrate IMiS®/ARChive Server with your applications using HTTP.

Archives

IMiS/Archive Server
Id IARC
Name IMiS/Archive Server
Host larc.imis.eu:16807

More Information

[Imaging Systems Inc.](#)
[+386 59 070 000](#)
[info@imis.eu](#)

IMiS®/StorageConnector Services REST v9.2.1804.102

Image 2: Start page of REST interface

5.4 Web.xml configuration

An example of web.xml configuration is given below.

Definition

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

Parameters

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

5.5 Archive management

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

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

Operation with the archive is described below.

5.5.1 Archives read

Operation reads archive servers available to the user.

Request

GET archives.json

Response

See chapter [ArchivesResponse](#)

Response status

200 – Archives read successfully.

500 – Server error.

Example of the archive servers available to the user

Request

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

Response

```
{  
    "api_version" : 6,  
    "archives" : [  
        {"id" : "IARC",  
         "name" : "Archive",  
         "description" : "Company main archive",  
         "host" : "iarc.imis.si:16807",  
         "uri" : "https://apps.imis.eu/scsvc/archives/IARC.json"  
        }, {  
            "id" : "IARC01",  
            "name" : "Archive 01",  
            "description" : "Company main archive",  
            "host" : "iarc01.imis.si:16807",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC01.json"  
        }  
    ],  
    "version" : "9.5.1910.105"  
}
```

5.5.2 Archive read

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

Request

GET archives/{archiveId}.json

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

Request header

Authorization: Bearer [session token] – See chapter [Session](#)

Response

See chapter [ArchiveResponse](#)

Response status

200 – Archive read successfully.

401 – Invalid session.

404 –Archive does not exist.

500 – Server error.

Example of the archive read

Request

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

Request header

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

Response

Definition

```
{  
    "api_version": 6,  
    "archive": {  
        "administration_access": {  
            "create_reviews" : true,  
            "deleted_entities" : true,  
            "deleted_queue" : true,  
            "disposed_entities" : true,  
            "export_logs" : true,  
            "import_logs" : true,  
            "reviews" : true  
        },  
        "audit_log_required" : false,  
        "capabilities": {  
            "audit_query": true,  
            "draft_management" : true,  
            "content_management": true,  
            "import_export": true,  
            "reports": true  
        },  
        "description": "Company main archive",  
        "effective_rights": {  
            "read_access": true,  
            "write_access": true,  
            "move_access": true,  
            "delete_access": true,  
            "change_rights": true,  
            "create_sub_entities": true,  
            "create_references": true,  
            "change_security_class": true,  
            "change_status": true,  
            "change_retention": true  
        },  
        "features": {  
            "content_convert": true,  
            "content_detach": true,  
            "content_index": true,  
            "content_move": true,  
            "create_drafts" : true  
        },  
        "host": "iarc.imis.si:16807",  
        "links": [{  
            "type": "deleted",  
            "uri": " https://apps.imis.eu/scsvc/archives/IARC/deleted.json"  
        }, {  
            "type": "disposed",  
            "uri": " https://apps.imis.eu/scsvc/archives/IARC/disposed.json"  
        }, {  
            "type": "disposition_holds",  
            "uri": " https://apps.imis.eu/scsvc/archives/IARC/disposition_holds.json"  
        }, {  
            "type": "directory",  
            "uri": " https://apps.imis.eu/scsvc/archives/IARC/directory.json"  
        }]  
    }  
}
```

```

        "uri": " https://apps.imis.eu/scsvc/archives/IARC/directory.json"
    },
    {
        "type": "drafts",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/drafts.json"
    },
    {
        "type": "entities",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/entities.json"
    },
    {
        "type": "log:export",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/log/export.json"
    },
    {
        "type": "log:import",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/log/import.json"
    },
    {
        "type": "retention_policies",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/retention_policies.json"
    },
    {
        "type": "reviews",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/reviews.json"
    },
    {
        "type": "search",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/search.json"
    },
    {
        "type": "templates",
        "uri": " https://apps.imis.eu/scsvc/archives/IARC/templates.json"
    }
],
{
    "name": "Archive",
    "secure": true,
    "service_name": "IMiS/ARChive Storage Server",
    "service_version": 700
}
}

```

5.5.3 Archive certificate read

Operation obtains the archive server certificate.

Request

GET archives/{archiveld}/certificate

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

Request header

Authorization: Bearer [session token] – See chapter [Session](#)

Response

Archive certificate.

Response type

application/x-x509-ca-cert

Response status

200 – Certificate read successfully.

401 – Invalid session.

404 – Certificate does not exist.

500 – Server error.

Example of the certificate read**Request**

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

Request header

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

Response

```
-----BEGIN CERTIFICATE-----
MIIDOjCCAiICCQDOA/zVxFIcTzANBgkqhkiG9w0BAQsFADBFMRCwFQYDVQQDDA5pYXJjOTguaw1pcy5zaTEQMA4GA1UECw
wHU2VydmVyczElMCMGA1UECgwcSU1pUy9BUKNoaXZ1IFN0b3JhZ2UgU2VydmVyczELMAkGA1UEBhMCVVMwHhcNMTcwNDI4
MTM0NzIzWhcNMjcwNDI5MTM0NzIzWjBfMRCwFQYDVQQDDA5pYXJjOTguaw1pcy5zaTEQMA4GA1UECwHU2VydmVyczElMC
MGA1UECgwcSU1pUy9BUKNoaXZ1IFN0b3JhZ2UgU2VydmVyczELMAkGA1UEBhMCVVMwggEiMA0GCSqGSIb3DQEBAQUAA4IB
DwAwggEKAoIBAQC8Qwe0A7HFptN90sqM7SDgDDFaFyuWvEqPMEDsROu/fhHwe4EQ015jVfdEmSo+PUDfrjGyVlelBoRnHU
RB1K97tyjoRD2R5dYYM9yC9MzkcuL+OD1td7eOsO8m/Vg2MYUjK+z6IG3NhkoPC0swBdlXIUhZHFnNPITrb3Ivetknahq5
wCXiOzx5DIWhbsaHB0Azx5wim9QDj57XSqpDkg2mvu7uvm0vs8Bn3RsbSe7Zn3sDmw/lm1bw6I0NoHcmqcELwaEw9uFvra
xsfQhbqWdn6AzryI7ZvBua+Zp00IgZoKryUck+kRzURCTVvpq2cJV08zc1NjM0k80JjQD3k2pBAgMBAAEwDQYJKoZIhvcN
AQELBQADggEBAFReMiteuw1DeONoiI4+9SKovN3ypJAYVi4dgIht60VPK8pt/b+cI/KuvvZqwcjx/VG
vImT Gh8Mx0e3HRxE5YoarMuUCC/oR2veEs5VK918z0q1EKsysNfy5GsgloEB4IjtZ9rtHQdiKynvHY9TR0MSTT+wChhb1V
Nni8yey6fRfNUamECsZloySkCDTDbDgf/+bAXa21d06mxpgWbj4gbdiP0715gftDFe+ajY3LnWXAMUaSvvglS1JlgeBFF
ut94ewWzbCk35T24gKEKYJifr/nxF4w+l27f6KHajs0L2z0sw89t0xzRXSQ0eCrMjdVr8DiWwP6zHRC6sHZQbgA=
-----END CERTIFICATE-----
```

5.6 Session

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

Operation with sessions is described below.

5.6.1 Session open

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

Request**POST archives/{archiveld}/session/open.json**

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

Request content

See chapter [SessionOpenRequest](#)

Response

See chapter [SessionOpenResponse](#)

Response status

200 – Session opened successfully.

400 – Bad request.

401 – Unsuccessful authorization.

404 – Archive does not exist.

500 – Server error.

Example of the session openRequest

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

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

Response

```
{
  "api_version" : 5,
  "service_name" : "IMiS/Archive Storage Server",
  "service_version" : 695,
  "token" : "nFFeEj11TXGrOeV3oU9XpUAv3pG9rvNeV7abpm346auo0vZmDffgknXcOHFy74Kj"
}
```

5.6.2 Session close

Operation closes the session.

Request

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

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

Request content

See chapter [SessionCloseRequest](#)

Response status

200 – Session closed successfully.

400 – Bad request.

404 – Session does not exist.

500 - Server error.

Example of the session close

Request

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

```
{  
    "token" : "nFFeEj11TXGrOeV3oU9XpUAv3pG9rvNeV7abpm346auo0vZmDffgknXcOHFy74Kj"  
}
```

Response status

200 – Session closed successfully.

5.7 Entity

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

Operation with entities is described below.

5.7.1 Entity resource location

Address

archives/{archiveld}/entities/{id}

or

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

Address parameters

archiveld	String	Unique identifier of the archive.
entityIdKind	String	<p>Entity identifier type. The set of values:</p> <ul style="list-style-type: none"> - C: Classification code in the canonical form. - E: External identifier of the entity. - I: Internal identifier of the entity. - H: Temporary identifier of the open entity (handle).
id	String	Unique identifier of the entity.

Note:

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

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

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

5.7.2 Entity read

The operation obtains an entity collection or a collection of subordinated entities at the root of the archive. With request parameters we can control the entity information sets and reading the pages of the entity collection. The reading of pages is defined with page_start (beginning of the page) and page_size (page size) parameters.

When reading an individual page, the operation returns an empty collection if there are no more entities after the specified page_start value. If the parameters page_start and page_size are not given, the first page with a size limitation in the settings is returned.

Request

GET archives/{archiveId}/entities.json

Entities read on the archive root.

and

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

Child entity collection read.

and

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

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

Request header

Authorization: Bearer [session token]

Request parameters

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

filter	String	Filter defines the scope of the entity information (optional). If the "fields" parameter has been sent, this parameter does not apply. The set of values: <ul style="list-style-type: none">- all: All public information and links to the entities.- links: Links to the entities.- props: Public information on entity properties.- templates: Templates for child entities creation.
page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> then entity information is created again; otherwise information is created only first time. Parameter is taken into the account when page_start in page_size parameters are present (optional).

sort	String	<p>The sort key of the collection (optional). The set of values:</p> <ul style="list-style-type: none"> - sys>Title: The title of the entity. - sysClassificationCode: The classification code of the entity (default value). - sysCreator: The creator of the entity. - sysOwner: The owner of the entity. - sysOpened: Date and time of the entity status change to Opened. - sysSecurityClass: The security class of the entity. - sysStatus: The status of the entity. - sysSignificance: The significance of the entity. - sysModified: Date and time of the last entity change. - Unique identifier of the property.
sort_order	String	<p>The sort order of the collection (optional). Valid only if the "sort" parameter exists. The set of values:</p> <ul style="list-style-type: none"> - asc: Ascending (default value). - desc: Descending.
category_properties	String	<p>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.</p>
category	String	<p>The category of the entity collection. The value represents the category to which the entities belong (optional).</p>
fields	String	<p>Defines the fields in the reply. <i>Example:</i> entities (id, title, modified, classification_code, effective_rights, child_count, closed, permanent, public_classification_code, description, type, has_draft), page_size, page_start, size, categories.</p>

Response

See chapter [EntitiesResponse](#)

Response status

200 – Entities read successfully.

401 – Invalid session.

404 - Objects does not exist.

500 - Server error.

Example of the entities read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/entities/YQM1ixP8TAOZ0Qabg-  
OSRxLf9mrLAFHJt9YDVRK5xNs/entities.json?page_size=1&page_start=0
```

Request header

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

Response

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

5.7.3 Entity public information read

Operation reads an entity public information.

Request

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

and

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

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityStubResponse](#).

Example of the entity public information read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/entities/I>NoDrt8_b4hXW4lWmfkXcJP6iT  
KNKa_5j9phT_bGNRHO/stub.json
```

Request header

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

Response

```
{  
    "entity_stub" : {  
        "accessed" : "2018-11-05T14:17:59.929+02:00",  
        "aip" : true,  
        "categories" : [],  
        "child_count" : 0,  
        "classification_code" : "C=164^C=13^C=063",  
        "created" : "2018-09-05T13:54:25",  
        "creator" : {  
            "email" : "marco.welch@acme.com",  
            "first_name" : "Marco",  
            "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch/avatar",  
            "id" : "marcowelch",  
            "last_name" : "Welch",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch.json"  
        },  
        "description" : "Employees, salary, payroll, pension, promotions, awards",  
        "effective_entity_rights" : {  
            "read_access" : true,  
            "write_access" : true,  
            "move_access" : true,  
            "delete_access" : true,  
            "change_rights" : true,  
            "create_references" : true,  
            "create_sub_entities" : true,  
            "change_security_class" : true,  
            "change_status" : true,  
            "change_retention" : true  
        },  
        "external_ids" : [],  
        "has_draft" : false,  
        "has_references" : true,  
        "has_versions" : false,  
        "id" : "NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0",  
        "keywords" : [  
            "staff_appointmens",  
            "employee_records",  
            "promotion_tenure",  
            "awards_recognition",  
            "pension_benefits",  
            "salary_payroll"  
        ],  
        "links" : [{  
            "type" : "entity:acl",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/acl.json"  
        }, {  
            "type" : "entity:audit_log",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/audit_log.json"  
        }, {  
            "type" : "nonrepudiation",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/nonrepudiation.json"  
        }, {  
            "type" : "search",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0/search.json"  
        }, {  
            "type" : "parent",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC/entities/BUYeEoFc7P8aoMXUMaZXeDRGZwaajdAy9dYhd0OdNB8/stub.json"  
        }, {  
            "type" : "entity#edit",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC/entities/BUYeEoFc7P8aoMXUMaZXeDRGZwaajdAy9dYhd0OdNB8/edit.json"  
        }]  
    }  
}
```

```
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
.json"
    },
    {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
.json"
    },
    {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/status.json"
    },
    {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/security_class.json"
    },
    {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
/move.json"
    },
    {
        "type" : "entity",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKa_5j9phT_bGNRH0
.json"
    }
],
"modified" : "2018-09-05T13:54:25.466+02:00",
"opened" : "2018-09-05T13:54:25.466+02:00",
"owner" : {
    "email" : "marco.welch@acme.com",
    "first_name" : "Marco",
    "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch/avatar",
    "id" : "marcowelch",
    "last_name" : "Welch",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/marcowelch.json"
},
"permanent" : false,
"properties" : [
    {
        "description" : "Non mandatory date of verification",
        "label" : "Verification date",
        "id" : "Verification date",
        "options" : {
            "append_only" : false,
            "full_text_indexed" : false,
            "included_in_aip" : true,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "inherited" : false,
        "type" : "DATE",
        "values" : [
            "2018-06-27+02:00"
        ]
    }
],
"public_classification_code" : "164.13.063",
"retention" : {
    "policies" : [
```

```
"id" : "AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw.json",
    "name" : "10 years",
    "description" : "Dispose after 10 years",
    "explicit_context" : {
      "scope" : "DENY",
      "filter" : {
        "classes" : false,
        "folders" : true,
        "documents" : false
      },
      "effective" : false
    },
    "inherited_context" : [
      {
        "scope" : "ALLOW",
        "filter" : {
          "classes" : true,
          "folders" : false,
          "documents" : false
        },
        "effective" : true
      }
    ],
    "links" : [
      {
        "type" : "retention_policy#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKA_5j9phT_bGNRH0/retention_policies/AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw.json"
      },
      {
        "type" : "retention_policy#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKA_5j9phT_bGNRH0/retention_policies/AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw.json"
      }
    ]
  ],
  "disposition_holds" : [
    {
      "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
      "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json",
      "name" : "Permanent hold",
      "description" : "Description of hold for permanent entitites",
      "links" : [
        {
          "type" : "disposition_hold#delete",
          "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6iTKNKA_5j9phT_bGNRH0/retention_disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json"
        }
      ]
    }
  ],
  "security_class" : {
    "inherited" : false,
    "value" : "Secret"
  },
  "significance" : {
    "inherited" : false,
  },
  "status" : {
    "inherited" : false,
    "value" : "Closed"
  },
  "sub_entity_templates" : [],
  "template" : {
    "entity_type" : "CLASS",
    "id" : "Class",
  }
}
```

```

    "label" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
},
"title" : "Human resources and Payroll",
"type" : "CLASS"
}
}

```

5.7.4 Entity open

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

Request

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

and

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

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

Request parameters

version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open.

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityOpenResponse](#)

Example of the entity open

Request

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

Request header

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

Response

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

5.7.5 Entity edit

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

Request

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

and

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

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

Request parameters

template	String	New entity template (IMiS®/ARChive Server 9.9 or higher).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open.

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityOpenResponse](#)

Example of the entity update

Request

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

Request header

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

Response

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

5.7.6 Entity create

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

The entity is saved on attribute change (see chapter [Entity change](#)).

Request

GET archives/{archiveld}/create.json

and

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

and

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

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

Request parameters

template	String	The template of the entity.
reason	String	The reason for entity create.

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityOpenResponse](#)

Example of the entity create

Request

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

Request header

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

Response

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

5.7.7 Entity close

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

Request

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

and

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

Request header

Authorization: Bearer [session token]

Response status

200 – Open entity closed successfully.

401 – Invalid session.

404 - Objects does not exist.

500 - Server error.

Example of the entity close

Request

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

Request header

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

Response

200 – Open entity closed successfully.

5.7.8 Entity read

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

Request

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

and

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

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

Request parameters

fields	String	Defines the fields in the reply.
flat	Boolean	Specifies whether the response shows child objects as a flat list.
max_level	Integer	Specifies the level of child objects only if tree = true, default value = 0 (show all).
reason	String	The reason for entity open.
tree	Boolean	Specifies whether the response shows child objects as a tree structure.
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityResponse](#)

Example of the entity read

Request

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

Request header

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

Response

```
{  
    "entity" : {  
        "accessed" : "2018-11-02T16:41:14.057+01:00",  
        "aip" : true,  
        "categories" : [],  
        "child_classification_code_mode" : "AUTOMATIC",  
        "child_count" : 1,  
        "classification_code" : "C=164^C=15",  
        "closed" : "2016-07-15T13:23:12.007+2:00",  
        "created" : "2016-07-11T16:43:03.262+2:00",  
        "creator" : {  
            "email" : "grace.layton@acme.com",  
            "first_name" : "Grace",  
            "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",  
            "id" : "gracelayton",  
            "last_name" : "Layton",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"  
        },  
        "description" : "",  
        "effective_rights" : {  
            "read_access" : true,  
            "write_access" : true,  
            "move_access" : true,  
            "delete_access" : true,  
            "change_rights" : true,  
            "create_references" : true,  
            "create_sub_entities" : true,  
            "change_security_class" : true,  
            "change_status" : true,  
            "change_retention" : true  
        },  
        "external_ids" : [  
            "externalId61"  
        ],  
        "has_draft" : false,  
        "has_references" : true,  
        "has_versions" : false,  
        "id" : "EgNBsFXQy-GZlXaDGET6HwMo4f8KslamaEM3gt5QbqA",  
        "keywords" : [  
            "planning",  
            "control",  
            "work_organization",  
            "procurement",  
            "manufacturing",  
            "quality",  
            "maintenence"  
        ],  
        "links" : [{  
            "type" : "entity:acl",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/acl.json"  
        }, {  
            "type" : "entity:audit_log",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0.json"  
        }, {  
            "type" : "entities",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/entities.json"  
        }]  
    }  
}
```

```
  },
  "type" : "nonrepudiation",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/nonrepudiation.json"
  },
  {
  "type" : "search",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/search.json"
  },
  {
  "type" : "parant",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/I:pkb-
hHfEVShBrCylMmrEHixb7jJPxrbmOiRMkLuuHh0.json"
  },
  {
  "type" : "entity:stub",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/stub.json"
  },
  {
  "type" : "entity#edit",
  "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0a
b256a668433782de506ea0.json"
  },
  {
  "type" : "entity#delete",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0.json"
  },
  {
  "type" : "entity:status#edit",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/status.json"
  },
  {
  "type" : "entity:security_class#edit",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/security_class.json"
  },
  {
  "type" : "entity#move",
  "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/I:120341b055d0cbe1999576831844fa1f0328e1ff0
ab256a668433782de506ea0/move.json"
  }
],
"modified" : "2018-07-11T16:43:03.262+02:00",
"modified_by" : {
  "email" : "grace.layton@acme.com",
  "first_name" : "Grace",
  "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
  "id" : "gracelayton",
  "last_name" : "Layton",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
},
"opened" : "2018-07-11T16:43:03.262+02:00",
"owner" : {
  "email" : "grace.layton@acme.com",
  "first_name" : "Grace",
  "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",
  "id" : "gracelayton",
  "last_name" : "Layton",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"
},
"parent_id" : "pkb-hHfEVShBrCylMmrEHixb7jJPxrbmOiRMkLuuHh0",
"permanent" : false,
"properties" : [
  {
    "description" : "Non mandatory date of verification",
    "label" : "Verification date",
    "id" : "Verification date",
    "options" : {

```

```
"append_only" : false,
"full_text_indexed" : false,
"included_in_aip" : true,
"inherited" : false,
"multi_value" : false,
"non_empty" : false,
"pick_list" : false,
"public" : true,
"read_only" : false,
"required" : false,
"searchable" : true,
"unique" : false
},
"inherited" : false,
"type" : "DATE",
"values" : [
"2018-06-27T23:00"
],
}
],
"public_classification_code" : "164.15"
"retention" : [
"policies" : [
{
"id" : "AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw",
"uri" :
https://apps.imis.eu/scsvc/archives/IARC/retention\_policies/AywTRqKdetY4sSzhfzUNuhA-4\_raqO601b01C\_r4Ipw.json,
"name" : "10 years",
"description" : "Dispose after 10 years",
"explicit_context" : {
"scope" : "ALLOW",
"filter" : {
"classes" : true,
"folders" : false,
"documents" : true
},
"effective" : true
},
"inherited_context" : [
{
"scope" : "ALLOW",
"filter" : {
"classes" : true,
"folders" : false,
"documents" : false
},
"effective" : true
}
],
"links" : [
{
"type" : "retention_policy#edit",
"uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/retention/policies/AywTRqKdetY4sSzhfzUNuhA-4\_raqO601b01C\_r4Ipw.json
},
{
"type" : "retention_policy#delete",
"uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/120341b055d0cbe1999576831844fa1f0328e1ff0ab256a668433782de506ea0/retention/policies/AywTRqKdetY4sSzhfzUNuhA-4\_raqO601b01C\_r4Ipw.json
}
],
"disposition_holds" : [
{
"id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzx5_T27QH8sQC4",
"uri" :
https://apps.imis.eu/scsvc/archives/IARC/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzx5\_T27QH8sQC4.json,
"name" : "Permanent hold",
"description" : "Entity is on permanent hold",
"links" : [
{
"type" : "disposition_hold#delete",

```

```

        "uri" :
      "https://apps.imis.eu/scsvc/archives/IARC/entities/120341b055d0cbe1999576831844fa1f0328e1ff0ab
      256a668433782de506ea0/retention/disposition_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4.
      json"
    }
  }
},
"security_class" : {
  "inherited" : false,
  "value" : "Top Secret"
},
"significance" : {
  "inherited" : false,
  "value" : "Vital"
},
"status" : {
  "inherited" : false,
  "value" : "Closed"
},
"template" : {
  "entity_type" : "CLASS",
  "id" : "Class",
  "label" : "Class",
  "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
},
"title" : "Supply Chain Management",
"type" : "CLASS"
}
}

```

5.7.9 Entity create

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

Request

POST archives/{archiveld}.json

Create an entity on under the archive root.

and

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

Create an entity under the selected entity.

and

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

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

Request parameters

reason	String	The reason for entity create.
--------	--------	-------------------------------

Request header

Authorization: Bearer [session token]

Content-Type: application/json

Request content

See chapter [EntityCreateRequest](#)

Response

See chapter [EntityResponse](#)

Response status

200 – Entity created successfully.

400 – Bad request.

401 – Invalid session.

404 - Objects not found.

500 - Server error.

Example of the entity create

Request

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

Request header

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

Content-Type: application/json

Request content

```
{
  "entity_create" : {
    "categories" : [
      "banking"
    ],
    "description" : "",
    "keywords" : [
      "accounts_payable",
      "accounts_receiveable",
      "banking",
      "budgeting",
      "payments"
    ],
    "owner" : "johnsmith",
    "properties" : [
      {
        "id" : "Verification date",
        "values" : ["2018-06-27+09:00"]
      },
      {
        "id" : "Validation date",
        "values" : ["2018-06-27T12:12:00.000+1:00"]
      }
    ],
    "template" : "Class",
    "title" : "Finance"
  }
}
```

Response

```
{
  "entity" : {
    "accessed" : "2018-11-03T10:19:33.817+01:00",
    "aip" : true,
    "categories" : [],
    "child_classification_code_mode" : "AUTOMATIC",
    "child_count" : 0,
    "classification_code" : "C=196^C=23",
    "created" : "2018-11-03T10:29:33.817+01:00",
    "creator" : {
      "email" : "john.smith@acme.com",
      "first_name" : "John",
      "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith/avatar",
      "id" : "johnsmith",
      "last_name" : "Smith",
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith.json"
    },
    "description" : "",
    "effective_rights" : {
      "read_access" : true,
      "write_access" : true,
      "move_access" : true,
      "delete_access" : true,
      "change_rights" : true,
      "create_references" : true,
      "create_sub_entities" : true,
      "change_security_class" : true,
      "change_status" : true,
      "change_retention" : true
    },
    "external_ids" : [],
    "has_draft" : false,
    "has_references" : true,
    "has_versions" : false,
    "id" : "WSekYWBkVzY8RTXaPfVxatwKB7j0lrCDBPICD8pr4kg",
    "keywords" : [
      "accounts_payable",
      "accounts_receiveable",
      "banking",
      "budgeting",
      "payments"
    ]
  }
}
```

```
        "banking",
        "payments"
    ],
    "links" : [
        {
            "type" : "entity:acl",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/acl.json"
        },
        {
            "type" : "entity:audit_log",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/audit_log.json"
        },
        {
            "type" : "nonrepudiation",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/nonrepudiation.json"
        },
        {
            "type" : "search",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/search.json"
        },
        {
            "type" : "parent",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
.json"
        },
        {
            "type" : "entity:stub",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/stub.json"
        },
        {
            "type" : "entity#edit",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
.json"
        },
        {
            "type" : "entity#delete",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
.json"
        },
        {
            "type" : "entity:status#edit",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/status.json"
        },
        {
            "type" : "entity:security_class#edit",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/security_class.json"
        },
        {
            "type" : "entity#move",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/WSekYWBkVzY8RTXaPfVxatwkB7jOlrCDBPICD8pr4kg
/move.json"
        }
    ],
    "modified" : "2018-11-03T10:29:33.817+01:00",
    "opened" : "2018-11-03T10:29:33.817+01:00",
    "owner" : {
        "email" : "john.smith@acme.com",
        "first_name" : "John",
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith/avatar",
        "id" : "johnsmith",
        "last_name" : "Smith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/johnsmith.json"
    },
    "parent_id" : "g3kNhfhPtrIBwVYQSmI59IyuBKPyHN_kTGTX8kIGl9s",
    "type" : "entity"
}
```

```
"permanent" : false,
"properties" : [
    {
        "id" : "Verification date",
        "description" : "Non mandatory date of verification",
        "type" : "DATE",
        "options" : {
            "append_only" : false,
            "full_text_indexed" : false,
            "included_in_aip" : true,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "inherited" : false,
        "values" : [
            "2016-06-27+09:00"
        ],
        "effective_rights" : {
            "read_access" : true,
            "write_access" : true,
            "create_access" : true,
            "delete_access" : true
        }
    },
    {
        "id" : "Validation date",
        "description" : "Non mandatory validation date",
        "type" : "DATE",
        "options" : {
            "append_only" : false,
            "full_text_indexed" : false,
            "included_in_aip" : true,
            "inherited" : false,
            "multi_value" : false,
            "non_empty" : false,
            "pick_list" : false,
            "public" : true,
            "read_only" : false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "required" : false,
            "searchable" : true,
            "unique" : false
        },
        "inherited" : false,
        "values" : [
            "2016-06-27T12:12:00.000+01:00"
        ]
    }
],
"public_classification_code" : "196.23",
"retention" : {
    "policies" : [
        {
            "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raq0601b01C_r4Ipw",
            "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfvUNuhA-4_raq0601b01C_r4Ipw.json",
            "name" : "10 years",
            "description" : "Dispose after 10 years",
            "inherited_context" : {
                "scope" : "ALLOW",
                "filter" : {
                    "classes" : true,
                    "folders" : false,
                    "files" : false
                }
            }
        }
    ]
}
```

```
        "documents" : false
    },
    "effective" : true
},
"links" : [
    {
        "type" : "retention_policy#edit",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=196%5EC=23/retention/policies/AywTRqKdeTY4ssZhfzUNuhA-4\_raq0601b01C\_r4Ipw.json
    },
    {
        "type" : "retention_policy#delete",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=196%5EC=23/retention/policies/AywTRqKdeTY4ssZhfzUNuhA-4\_raq0601b01C\_r4Ipw.json
    }
],
"disposition_holds" : [
    {
        "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json,
        "name" : "Permanent hold",
        "description" : "Description of hold for permanent entitites",
        "links" : [
            {
                "type" : "disposition_hold#delete",
                "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/C:C=196%5EC=23/retention/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json
            }
        ]
    }
],
"security_class" : {
    "inherited" : true,
    "value" : "Top secret"
},
"significance" : {
    "inherited" : true,
},
"status" : {
    "inherited" : true,
    "value" : "Opened"
},
"sub_entities_templates" : [
    {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
    },
    {
        "entity_type" : "FOLDER",
        "id" : "Case",
        "label" : "Case",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Case.json"
    },
    {
        "entity_type" : "DOCUMENT",
        "id" : "Document",
        "label" : "Document",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Document.json"
    },
    {
        "entity_type" : "DOCUMENT",
        "id" : "Email",
        "label" : "Email",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates>Email.json"
    }
],
"template" : {
    "entity_type" : "CLASS",
    "id" : "Class",
    "label" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
}
```

```

    "label" : "Class",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
},
"title" : "Administration",
"type" : "CLASS"
}
}

```

5.7.10 Entity delete

Operation deletes an entity.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

Request parameters

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

Response status

200 – Entity deleted successfully.

401 – Invalid session.

404 - Object not found.

500 - Server error.

Example of the entity delete

Request

DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/I:GNKjylwN7onZfFJEm-nnsOdUEtvEQOGvC-RUxtCgu4w.json?reason=test&description=opis

Response status

200 – Entity deleted successfully.

5.7.11 Entity change

Operation changes an entity attributes.

Request

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

and

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

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

Request parameters

tree	Boolean	Specifies whether the response shows child objects as a tree structure.
flat	Boolean	Specifies whether the response shows child objects as a flat list.
max_level	Integer	Specifies the level of child objects only if tree = true, default value = 0 (show all).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open.
fields	String	Defines the fields in the reply.

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityUpdateRequest](#)

Response

See chapter [EntityResponse](#)

Response status

200 – Entity changed successfully.

400 – Bad request.

401 – Invalid session.

404 - Objects does not exist.

500 - Server error.

Example of the entity change

Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59lyuBKPyHN_kTGTX8kIGI9s.json
```

Request header

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

Request content

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

Response

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

```
"move_access" : true,
"delete_access" : true,
"change_rights" : true,
"create_references" : true,
"create_sub_entities" : true,
"change_security_class" : true,
"change_status" : true,
"change_retention" : true
},
"external_ids" : [],
"id" : "g3kNhfhPtrIBwVYQSmI59IyuBKPyHN_kTGTX8kIGl9s",
"keywords" : [
    "company",
    "documentation",
    "correspondence",
    "organization"
],
"links" : [
    {
        "type" : "entity:acl",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/acl.json
    },
    {
        "type" : "entity:audit_log",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/audit\_log.json
    },
    {
        "type" : "entities",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/audit\_log.json
    },
    {
        "type" : "nonrepudiation",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/nonrepudiation.json
    },
    {
        "type" : "search",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/search.json
    },
    {
        "type" : "entity:stub",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/stub.json
    },
    {
        "type" : "entity#edit",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s.json
    },
    {
        "type" : "entity#delete",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s.json
    },
    {
        "type" : "entity:status#edit",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/status.json
    },
    {
        "type" : "entity:security_class#edit",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPyHN\_kTGTX8kIGl9s/security\_class.json
    }
],
{
    "type" : "entity#move",
    "uri" :
```

```
        "uri" :  
        "https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSmI59IyuBKPYHN_kTGTX8kIG19s  
        /move.json"  
    },  
    "modified" : "2016-11-07T16:07:22.728+01:00",  
    "opened" : "2016-09-13T12:55:42.003+2:00",  
    "owner" : {  
        "email" : "grace.layton@acme.com",  
        "first_name" : "Grace",  
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton/avatar",  
        "id" : "gracelayton",  
        "last_name" : "Layton",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/gracelayton.json"  
    },  
    "permanent" : false,  
    "properties" : [{  
        "id" : "Verification date",  
        "description" : "Non mandatory date of verification",  
        "type" : "DATE",  
        "options" : {  
            "append_only" : false,  
            "included_in_aip" : true,  
            "inherited" : false,  
            "multi_value" : false,  
            "non_empty" : false,  
            "pick_list" : false,  
            "public" : true,  
            "read_only" : false,  
            "read_only_after_check_in" : false,  
            "read_only_after_create" : false,  
            "required" : false,  
            "searchable" : true,  
            "unique" : false,  
            "versionable" : false  
        },  
        "values" : [  
            "2018-06-27Z"  
        ],  
        "effective_rights" : {  
            "create_access" : true,  
            "delete_access" : true,  
            "read_access" : true,  
            "write_access" : true,  
        },  
        "id" : "Validation date",  
        "description" : "Non mandatory validation date",  
        "type" : "DATE",  
        "options" : {  
            "append_only" : false,  
            "included_in_aip" : true,  
            "inherited" : false,  
            "multi_value" : false,  
            "non_empty" : false,  
            "pick_list" : false,  
            "public" : true,  
            "read_only" : false,  
            "read_only_after_check_in" : false,  
            "read_only_after_create" : false,  
            "required" : false,  
            "searchable" : true,  
            "unique" : false,  
            "versionable" : false  
        },  
        "values" : [  
            "2018-09-20T21:40:00.000Z"  
        ]  
    }  
},  
    "public_classification_code" : "196",  
    "retention" : {
```

```
"policies" : [
    {
        "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",
        "uri" :
https://apps.imis.eu/scsvc/archives/IARC/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json,
        "name" : "10 years",
        "description" : "Dispose after 10 years",
        "explicit_context" : {
            "scope" : "ALLOW",
            "filter" : {
                "classes" : true,
                "folders" : false,
                "documents" : false
            },
            "effective" : true
        },
        "inherited_context" : [],
        "links" : [
            {
                "type" : "retention_policy#edit",
                "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSm59IyuBKPvHN\_kTGTX8kIG19s/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
            },
            {
                "type" : "retention_policy#delete",
                "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSm59IyuBKPvHN\_kTGTX8kIG19s/retention\_policies/AywTRqKdetY4sSZhfvUNuhA-4\_raqO601b01C\_r4Ipw.json
            }
        ]
    },
    "disposition_holds" : [
        {
            "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json,
            "name" : "Permanent hold",
            "description" : "Description of hold for permanent entitites",
            "links" : [
                {
                    "type" : "disposition_hold#delete",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/g3kNhfhPtrIBwVYQSm59IyuBKPvHN\_kTGTX8kIG19s/retention/disposition\_holds/pmn03Bze3jqedwBHlfOjIvMeZveMRzX5\_T27QH8sQC4.json
                }
            ]
        }
    ],
    "security_class" : {
        "inherited" : false,
        "value" : "Top Secret"
    },
    "significance" : {
        "inherited" : true,
    },
    "status" : {
        "inherited" : false,
        "value" : "Opened"
    },
    "sub_entity_templates" : [
        {
            "entity_type" : "CLASS",
            "id" : "Class",
            "label" : "Class",
            "id" : "Class",
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
        }
    ],
    "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
    }
]
```

```
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
    },
    "title" : "Administration",
    "type" : "CLASS"
}
```

5.7.12 Entity status change

Operation change the entity status.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityStatusUpdateRequest](#)

Response

See chapter [EntityStatusUpdateResponse](#)

Response status

200 – Entity status changed successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity status change to Inherited valueRequest

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

Request header

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

Request content

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

Response

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

Example of the entity status change to Closed valueRequest

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

Request header

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

Request content

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

Response

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

5.7.13 Entity security class change

Operation change the entity security class.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntitySecurityClassUpdateRequest](#)

Response

See chapter [EntitySecurityClassUpdateResponse](#)

Response Status

200 – Entity security class changed successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity security class change to Inherited value

Request

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

Request header

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

Request content

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

Response

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

Example of the entity security class change to Top Secret value

Request

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

Request header

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

Request content

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

Response

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

5.7.14 Entity retention policy create

Operation creates an entity retention policy.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open.
--------	--------	-----------------------------

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityRetentionPoliciesRequest](#)

Response

See chapter [EntityRetentionPoliciesResponse](#)

Response status

200 - Entity retention policies created successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the retention policies create

Request

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

Request header

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

Request content

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

Response

```
{  
    "retention_policies" : [{  
        "id" : "Pqc5zK58VmPaRlQ-pIaVhOV15shGuLwvS4OvEkzd3JE",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/Pqc5zK58VmPaRlQ-  
pIaVhOV15shGuLwvS4OvEkzd3JE.json",  
        "name" : "5 years",  
        "description" : "Retention 5 years after entity was closed",  
        "explicit_context" : {  
            "scope" : "ALLOW",  
            "filter" : {  
                "classes" : true,  
                "folders" : true,  
                "documents" : false  
            },  
            "effective" : false  
        },  
        "inherited_context" : [],  
        "links" : [{  
            "type" : "retention_policy#edit",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC98/entities/C:C=191/retention/policies/Pqc5zK58VmPaRl  
Q-pIaVhOV15shGuLwvS4OvEkzd3JE.json"  
        }, {  
            "type" : "retention_policy#delete",  
            "uri" :  
                "https://apps.imis.eu/scsvc/archives/IARC98/entities/C:C=191/retention/policies/Pqc5zK58VmPaRl  
Q-pIaVhOV15shGuLwvS4OvEkzd3JE.json"  
        }  
    }]  
}
```

5.7.15 Entity retention policy change

Operation changes an entity retention policy.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open.
--------	--------	-----------------------------

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityRetentionPolicyEntryRequest](#)

Response

See chapter [EntityRetentionPolicyEntryResponse](#)

Response status

200 - Entity retention policy changed successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity retention policy change.Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC/entities/  
c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfade77759476b79/retention/p  
olicies/AywTRqKdetY4sSZhfvUNuhA-4_raq0601b01C_r4Ipw.json
```

Request header

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

Request content

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

Response

```
{  
    "retention_policy": {  
        "id": "AywTRqKdetY4sSZhfvUNuhA-4_raq0601b01C_r4Ipw",  
        "uri":  
        "https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfvUNuhA-  
4_raq0601b01C_r4Ipw.json",  
        "name": "10 years",  
        "description": "Dispose after 10 years",  
        "explicit_context": {  
            "scope": "DENY",  
            "filter": {  
                "classes" : false,  
                "folders" : false,  
                "documents" : true  
            }  
            "effective": false  
        },  
        "inherited_context": [  
            {  
                "scope": "ALLOW",  
                "filter": {  
                    "classes" : true,  
                    "folders" : false,  
                    "documents" : false  
                }  
                "effective": true  
            },  
            {  
                "scope": "ALLOW",  
                "filter": {  
                    "classes" : true,  
                    "folders" : false,  
                    "documents" : true  
                }  
                "effective": true  
            }  
        ]  
    }  
}
```

```

"links": [
    {
        "type": "retention_policy#edit",
        "uri": "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfade77759476b79/retention/policies/AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw.json"
    },
    {
        "type": "retention_policy#delete",
        "uri": "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:c4ea1c84c7cb42294add3e34da6c7eb87c28de90ac48a80dbfade77759476b79/retention/policies/AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw.json"
    }
]
}

```

5.7.16 Entity retention policies change

Operation executes an entity retention policies change.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open.
--------	--------	-----------------------------

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityRetentionPolicyEntriesUpdateRequest](#)

Response

See chapter [EntityRetentionPolicyEntriesUpdateResponse](#)

Response status

200 - Entity retention policies changed successfully.

400 – Bad request.

401 – Invalid session.

404 - Object does not exist.

500 - Server error.

Example of the entity retention policy change

Request

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

Request header

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

Request content

```
{
  "retention_policies": [
    {
      "id": "lavMancW_MtTbRwpr3p456GYLmDY8SCF",
      "scope": "ALLOW",
      "filter": {
        "classes": false,
        "documents": true,
        "folders": false
      }
    },
    {
      "id": "q96Sd-Ms1X4pIZEBeTm6JvzlGyKN3oOk",
      "scope": "ALLOW",
      "filter": {
        "classes": false,
        "documents": true,
        "folders": false
      }
    }
  ]
}
```

Response

```
{  
    "retention_policies": [{  
        "id": "lavMancW_MtTbRwpr3p456GYLmDY8SCF",  
        "uri": "  
https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/lavMancW_MtTbRwpr3p456GYLmDY8SCF  
.json",  
        "name": "5 years",  
        "description": "Action after 5 years retention",  
        "explicit_context": {  
            "scope": "ALLOW",  
            "filter": {  
                "classes": false,  
                "folders": false,  
                "documents": true  
            },  
            "effective": true  
        },  
        "inherited_context": [],  
        "links": [{  
            "type": "retention_policy#edit",  
            "uri": "  
https://apps.imis.eu/scsvc/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-  
y6vbojo6ZFT9bS/retention/policies/lavMancW_MtTbRwpr3p456GYLmDY8SCF.json"  
        }, {  
            "type": "retention_policy#delete",  
            "uri": "  
http://beno:9000/StorageConnectorServicesRest/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-  
y6vbojo6ZFT9bS/retention/policies/lavMancW_MtTbRwpr3p456GYLmDY8SCF.json"  
        }  
    ]  
}, {  
    "id": "q96Sd-Ms1X4pIIZEBeTm6JvzlGyKN3oOk",  
    "uri": " https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/q96Sd-  
Ms1X4pIIZEBeTm6JvzlGyKN3oOk.json",  
    "name": "3 years",  
    "description": "Action after 3 years retention",  
    "explicit_context": {  
        "scope": "ALLOW",  
        "filter": {  
            "classes": false,  
            "folders": false,  
            "documents": true  
        },  
        "effective": true  
    },  
    "inherited_context": [],  
    "links": [{  
        "type": "retention_policy#edit",  
        "uri": "  
https://apps.imis.eu/scsvc/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-  
y6vbojo6ZFT9bS/retention/policies/q96Sd-Ms1X4pIIZEBeTm6JvzlGyKN3oOk.json"  
    }, {  
        "type": "retention_policy#delete",  
        "uri": "  
https://apps.imis.eu/scsvc/archives/IARC98/entities/I:tIw_CODIQQTSR6to1-  
y6vbojo6ZFT9bS/retention/policies/q96Sd-Ms1X4pIIZEBeTm6JvzlGyKN3oOk.json"  
    }  
]  
}
```

5.7.17 Entity retention policy delete

Operation deletes an entity retention policy.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open.
--------	--------	-----------------------------

Request header

Authorization: Bearer [session token]

Response status

200 - Entity retention policy deleted successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the retention policy delete

Request

```
DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/I>NoDrt8_b4hXW4IWmfk  
XcJP6iTKNKA_5j9phT_bGNRHO/retention/policies/AywTRqKdetY4sSZhfvUNuhA-  
4_raqO601b0IC_r4lpw.json
```

Request header

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

Response

Status: 200 – Entity retention policy deleted successfully.

5.7.18 Entity disposition holds create

Operation creates an entity disposition holds.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open.
--------	--------	-----------------------------

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityRetentionDispositionHoldsRequest](#)

Response

See chapter [EntityRetentionDispositionHoldsResponse](#)

Response status

200 – Entity disposition holds created successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the disposition_holds createRequest

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

Request header

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

Request content

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

Response

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

5.7.19 Entity disposition holds delete

Operation deletes an entity disposition holds.

Request

DELETE

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

json

and

DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/retention/disposition_holds/{idDispositionHold}.json

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Response status

200 - Entity disposition holds deleted successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity disposition holds delete

Request

```
DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/NoDrt8_b4hXW4IWmfkXcJP6i  
TKNKA_5j9phT_bGNRHO/retention/disposition_holds/DVAh3WDAb88J_kLWrGGkQ0cn5aadklP  
V7RfhleeGZY.json
```

Request header

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

Response status

200 - Entity disposition holds deleted successfully.

5.7.20 Entity move

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

Request

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

Entity move under the archive root.

and

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

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

and

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

Entity move under the selected parent entity.

and

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

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

Request parameters

fields	String	Defines the fields in the reply.
--------	--------	----------------------------------

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityMoveRequest](#)

Response

See chapter [EntityStubResponse](#)

Response status

200 - Entity moved successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity move under the selected parent entity

Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC/entities/  
pwTTaNbqXPPs_15cySkctGbOPZPsrKPjjT-LHSk8Q/move/C:C=212.json
```

Request header

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

Request content

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

Response

```
{  
    "entity_stub" : {  
        "accessed" : "2018-11-03T11:39:58.919+01:00",  
        "child_count" : 1,  
        "classification_code" : "C=212^C=07",  
        "created" : "2018-10-14T09:46:49.945+02:00",  
        "creator" : {  
            "email" : "jerry.turner@acme.com",  
            "first_name" : "Jerry",  
            "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/jerryturner/avatar",  
            "id" : "jerryturner",  
            "last_name" : "Turner",  
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/jerryturner.json"  
        },  
        "description" : "1st and 2nd level class",  
        "effective_entity_rights" : {  
            "read_access" : true,  
            "write_access" : true,  
            "move_access" : true,  
            "delete_access" : true,  
            "change_rights" : true,  
            "create_references" : true,  
            "create_sub_entities" : true,  
            "change_security_class" : true,  
            "change_status" : true,  
            "change_retention" : true  
        },  
        "external_ids" : [],  
        "id" : "pwTTaNbqXPPs_15cySkctGbOPZPsrKPjjT-LHSk8Q",  
        "modified" : "2018-11-03T11:39:58.919+01:00",  
        "parent_id" : "pwTTaNbqXPPs_15cySkctGbOPZPsrKPjjT-LHSk8Q",  
        "path" : "IARC/directory/jerryturner",  
        "status" : "Active",  
        "version" : 1  
    }  
}
```

```
"keywords" : [
    "export/import"
],
"links" : [
    {
        "type" : "entity:acl",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/acl.json"
    },
    {
        "type" : "entity:audit_log",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/audit_log.json"
    },
    {
        "type" : "entities",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/entities.json"
    },
    {
        "type" : "nonrepudiation",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/nonrepudiation.json"
    },
    {
        "type" : "search",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/search.json"
    },
    {
        "type" : "parent",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/entities/uOcEHE5pNYzxwpqkcsNi1Kb_OK-583J0SdBzxYWKBpU/stub.json"
    },
    {
        "type" : "entity#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q.json"
    },
    {
        "type" : "entity#delete",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q.json"
    },
    {
        "type" : "entity:status#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/status.json"
    },
    {
        "type" : "entity:security_class#edit",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/security_class.json"
    },
    {
        "type" : "entity#move",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q/move.json"
    },
    {
        "type" : "entity",
        "uri" :
"https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPPs_15cySkctGb0PZPsrKPjjT-LHsk8Q.json"
    }
],
"modified" : "2018-09-05T15:57:34",
"opened" : "2018-09-05T15:57:34",
"owner" : {
    "id" : "alexnelson",
    "uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson.json"
},
"parent_id" : "uOcEHE5pNYzxwpqkcsNi1Kb_OK-583J0SdBzxYWKBpU",
```

```
"permanent" : false,
"properties" : [],
  "description" : "Non mandatory date of verification",
  "label" : "Verification date",
  "id" : "Verification date",
  "type" : "DATE_TIME",
  "options" : {
    "append_only" : false,
    "included_in_aip" : false,
    "inherited" : true,
    "multi_value" : false,
    "non_empty" : false,
    "pick_list" : false,
    "public" : true,
    "read_only" : false,
    "read_only_after_check_in" : false,
    "read_only_after_create" : false,
    "required" : false,
    "searchable" : true,
    "unique" : false
  },
  "values" : [
    "2018-04-06+02:00"
  ],
},
],
"public_classification_code" : "212.07",
"retention" : [
  "policies" : [
    {
      "id" : "AywTRqKdetY4ssZhfzUNuhA-4_raqO601b01C_r4Ipw",
      "uri" :
https://apps.imis.eu/scsvc/archives/IARC/retention\_policies/AywTRqKdetY4ssZhfzUNuhA-4\_raqO601b01C\_r4Ipw.json,
      "name" : "10 years",
      "description" : "Dispose after 10 years",
      "explicit_context" : {
        "scope" : "ALLOW",
        "filter" : {
          "classes" : true,
          "folders" : true,
          "documents" : true
        },
        "effective" : true
      },
      "inherited_context" : [],
      "links" : [
        {
          "type" : "retention_policy#edit",
          "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPps\_15cySkctGb0PZPsrKPjjT-LHsk8Q/retention/policies/AywTRqKdetY4ssZhfzUNuhA-4\_raqO601b01C\_r4Ipw.json
        },
        {
          "type" : "retention_policy#delete",
          "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaNbqxXPps\_15cySkctGb0PZPsrKPjjT-LHsk8Q/retention/policies/AywTRqKdetY4ssZhfzUNuhA-4\_raqO601b01C\_r4Ipw.json
        }
      ],
      "id" : "C6bEPbl08V0K1UBwi4eUWPfmxZyb6M8mJXTRVBnHxk",
      "uri" :
https://apps.imis.eu/scsvc/archives/IARC/retention\_policies/C6bEPbl08V0K1UBwi4eUWPfmxZyb6M8mJXTRVBnHxk.json,
      "name" : "3 years",
      "description" : "Dispose after 3 years",
      "explicit_context" : {
        "scope" : "ALLOW",
        "filter" : {
          "classes" : true,
          "folders" : false,
          "documents" : true
        },
      }
    }
  ]
],
```

```
        "effective" : true
    },
    "inherited_context" : [],
    "links" : [
        {
            "type" : "retention_policy#edit",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaN BqXPPS\_15cySkctGb0PZPs rKPjjT-LHSk8Q/retention/policies/C6bEPb l08V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk.json
        },
        {
            "type" : "retention_policy#delete",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaN BqXPPS\_15cySkctGb0PZPs rKPjjT-LHSk8Q/retention/policies/C6bEPb l08V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk.json
        }
    ],
    "disposition_holds" : [
        {
            "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
            "uri" :
https://apps.imis.eu/scsvc/archives/IARC/disposition\_holds/DVAh3WDAb88J\_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json,
            "name" : "Permanent hold",
            "description" : "Description of hold for permanent entitites",
            "links" : [
                {
                    "type" : "disposition_hold#delete",
                    "uri" :
https://apps.imis.eu/scsvc/archives/IARC/entities/pwiTTaN BqXPPS\_15cySkctGb0PZPs rKPjjT-LHSk8Q/retention/disposition\_holds/DVAh3WDAb88J\_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY.json
                }
            ]
        }
    ],
    "security_class" : {
        "inherited" : false,
        "value" : "Secret"
    },
    "significance" : {
        "inherited" : false,
        "value" : "Vital"
    },
    "status" : {
        "inherited" : false,
        "value" : "Opened"
    },
    "sub_entity_templates" : [
        {
            "entity_type" : "CLASS",
            "id" : "Class",
            "label" : "Class",
            "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
        }
    ],
    "template" : {
        "entity_type" : "CLASS",
        "id" : "Class",
        "label" : "Class",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC/templates/Class.json"
    },
    "title" : "Customer relationship management",
    "type" : "CLASS"
}
```

5.7.21 Save log read

Operation reads an entity save log.

Request

GET archives/{archiveld}/entities/{id}/save_log.json

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Response

See chapter [SaveLogResponse](#)

5.7.22 Entities create

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

Request

POST archives/{archiveld}/batch/create.json

and

POST archives/{archiveld}/entities/{id}/batch/create.json

and

POST archives/{archiveld}/entities/{entityIdKind}:{id}/batch/create.json

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

Request parameters

fields	String	Defines the fields in the reply.
reason	String	The reason for entity open (when "entityIdKind" value is not "H").
search	String	The search string for the entity under which entities will be created (applies only if no entity identifier is present).

Request header

Authorization: Bearer [session token]

Content-Type: application/json

Request content

See chapter [BatchEntityCreateRequest](#)

Response

See chapter [EntitiesResponse](#)

Response status

200 – Entities created successfully.

400 – Bad request.

401 – Invalid session.

500 – Server error.

Example of object move

Request

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

Request header

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

Request

```
{
  "entities": [
    {
      "object_transfer": [
        {
          "id": "iu5W_ZNguZya-WTnB-aBEm07xd8leksi",
          "description": "Data 01"
        },
        {
          "id": "i7nufelPQcjiy8MmfV8_cWlX0rApvEW5S",
          "description": "Data 02"
        }
      ],
      "template": "Document",
      "title": "data_00012",
      "owner": "admin",
      "external_ids": [
        "data_00012"
      ]
    }
  ]
}
```

Odgovor

```
{
  "size": 1,
  "entities": [
    {
      "accessed": "2019-10-10T09:34:16.736Z",
      "aip": false,
      "categories": [],
      "child_count": 0,
      "classification_code": "C=74^D=000014",
      "created": "2019-10-10T09:34:16.678Z",
      "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
      },
      "effective_rights": {
        "create_references": true,
        "create_sub_entities": true,
        "change_retention": true,
        "change_rights": true,
        "change_security_class": true,
        "change_status": true,
        "delete_access": true,
        "move_access": true,
        "read_access": true,
        "write_access": true
      },
      "external_ids": [
        "data_00012"
      ],
      "has_draft": false,
      "has_references": false,
      "has_versions": false,
      "id": "o8w_fUP_RoTrsujLYcZMjZq1ZEPEPlfH",
      "keywords": [],
      "modified": "2019-10-10T09:34:16.781Z",
      "modified_by": {
        "id": "admin",
        "email": "admin@acme.com",
        "type": "USER"
      }
    }
  ]
}
```

```
"first_name": "",  
"icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
"last_name": "Administrator",  
"type": "USER"  
},  
"opened": "2019-10-10T09:34:16.678Z",  
"owner": {  
    "id": "admin",  
    "email": "admin@acme.com",  
    "first_name": "",  
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
    "last_name": "Administrator",  
    "type": "USER"  
},  
"parent_id": "aEFaUZ5bcãoXjgtICnkBsfZuarr_w4Tl",  
"permanent": false,  
"properties": [  
    {  
        "id": "Review Trigger",  
        "label": "Review date",  
        "description": "The review date",  
        "type": "DATE_TIME",  
        "options": {  
            "append_only": false,  
            "full_text_indexed": false,  
            "included_in_aip": false,  
            "inherited": true,  
            "multi_value": false,  
            "non_empty": false,  
            "pick_list": false,  
            "public": true,  
            "read_only": false,  
            "read_only_after_check_in": false,  
            "read_only_after_create": false,  
            "required": false,  
            "searchable": true,  
            "unique": false,  
            "versionable": false  
        },  
        "values": [],  
        "inherited": true  
    },  
    {  
        "id": "attr:stringmax",  
        "label": "stringmax",  
        "description": "",  
        "type": "STRINGMAX",  
        "options": {  
            "append_only": false,  
            "full_text_indexed": false,  
            "included_in_aip": false,  
            "inherited": false,  
            "multi_value": false,  
            "non_empty": false,  
            "pick_list": false,  
            "public": true,  
            "read_only": false,  
            "read_only_after_check_in": false,  
            "read_only_after_create": false,  
            "required": false,  
            "searchable": false,  
            "unique": false,  
            "versionable": false  
        },  
        "values": [],  
        "inherited": false  
    }  
],  
"public_classification_code": "74/000014",  
"security_class": {  
    "inherited": true
```

```

},
"significance": {
  "inherited": true,
  "value": "Delete"
},
"status": {
  "inherited": true,
  "value": "Opened"
},
"sub_entity_templates": [],
"template": {
  "id": "Document",
  "label": "Document",
  "entity_type": "DOCUMENT"
},
"title": "data_00012",
"type": "DOCUMENT"
}
]
}

```

5.8 Access right

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

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

5.8.1 Entity access right read

Operation reads directory entity access right on the entity.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityACLResponse](#)

Response status

200 - Entity access right read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of entity access rights read

Request

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

Request header

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

Response

```
{  
  "acl" : {  
    "entries" : [{  
      "directory_entity" : {  
        "email" : "alex.nelson@acme.com",  
        "first_name" : "Grace",  
        "icon_url" : "https://apps.imis.eu/scsvc/archives/IARC/directory/alexnelson/avatar",  
        "id" : "alexnelson",  
        "last_name" : "Nelson",  
        "type" : "USER"  
      },  
      "id" : "AAAAAVRlc3RuYQ",  
      "effective_rights" : {  
        "read_access" : true,  
        "write_access" : false,  
        "move_access" : false,  
        "delete_access" : false,  
        "change_rights" : true,  
        "create_references" : false,  
        "create_sub_entities" : false,  
        "change_security_class" : false,  
        "change_status" : true,  
        "change_retention" : false,  
      },  
      "inherited_allow_rights" : {  
        "read_access" : true,  
        "write_access" : false,  
      }  
    }]  
}
```

```
"enabled_for_subtree" : true,
"enabled_for_this" : true,
"move_access" : false,
"delete_access" : false,
"change_rights" : true,
"create_references" : false,
"create_sub_entities" : false,
"change_security_class" : false,
"change_status" : true,
"change_retention" : false,
},
"subject" : "alexnelson",
"type" : "DIRECTORY"
},
],
"property_entries" : [
{
"property_id" : "Validation date",
"entries" : [
{
"directory_entity" : {
"email" : "keira.clay@acme.com",
"first_name" : "Keira",
"icon_url" :
"https://apps.imis.eu/scsvc/archives/IARC/directory/keiraclay/avatar",
"id" : "keiraclay",
"last_name" : "Clay",
"uri" : "https://apps.imis.eu/scsvc/archives/IARC/directory/keiraclay.json",
"type" : "USER"
},
"effective_rights" : {
"create_access" : false,
"delete_access" : false,
"read_access" : false,
"write_access" : false
}
,
"id" : "AAAAAWFsZXM",
"inherited_deny_rights" : {
"create_access" : false,
"delete_access" : false,
"enabled_for_subtree" : true
"enabled_for_this" : true
"read_access" : true,
"write_access" : true
}
,
"subject" : "keiraclay",
"type" : "DIRECTORY"
}
]
}
]
}
]
```

5.8.2 Entity access rights read for each directory entity

Operation reads directory entity access rights for each entity.

Request

GET archives/{archiveld}/entities/{id}/access.json

and

GET archives/{archiveld}/entities/{idType}:{id}/access.json

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

Request parameters

subject	String	Unique label of directory entity (optional).
---------	--------	--

Request header

Authorization: Bearer [session token]

Response

See chapter [AccessResponse](#)

Response status

200 – Access rights read successfully.

401 – Invalid session.

404 – Object does not exist.

500 – Server error.

Example of current entity access rights read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/entities/5QU235hDXyEJOUJ8_Z_XY-DWTaHK7cpR/access.json?subject=jturner

Response

```
{  
    "rights" : {  
        "change_retention" : false,  
        "change_rights" : false,  
        "change_security_class" : false,  
        "change_status" : false,  
        "create_references" : false,  
        "create_sub_entities" : false,  
        "delete_access" : false,  
        "move_access" : true,  
        "read_access" : true,  
        "write_access" : true  
    }  
}
```

5.8.3 Entity access rights create

Operation creates an entity access rights.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityACLRequest](#)

Response

See chapter [EntityACLResponse](#)

Response status

200 – Entity access right created successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of adding an access right with a timeout

Request

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

Request content

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

Response

```
{  
  "acl" : {  
    "entries" : [ {  
      "id": "AAAAAWFsZXM",  
      "subject": "Support group",  
      "type": "DIRECTORY",  
      "directory_entity" : {  
        "id" : "Support group",  
        "type" : "GROUP"  
      },  
      "effective_rights" : {  
        "read_access" : false,  
        "write_access" : false,  
        "move_access" : false,  
        "delete_access" : false,  
        "change_rights" : false,  
        "create_references" : false,  
        "create_sub_entities" : false,  
        "change_security_class" : false,  
        "change_status" : false,  
        "change_retention" : false,  
      }  
    }  
  ]  
}
```

```

},
"explicit_allow_rights" : {
    "read_access" : true,
    "write_access" : false,
    "enabled_for_subtree" : true,
    "enabled_for_this" : true,
    "move_access" : false,
    "delete_access" : false,
    "change_rights" : false,
    "create_references" : false,
    "create_sub_entities" : false,
    "change_security_class" : false,
    "change_status" : true,
    "change_retention" : false,
    "valid_from" : "2018-08-02T08:12:00.000+02:00",
    "valid_to" : "2019-08-20T12:12:00.000+02:00"
},
"explicit_deny_rights" : {
    "read_access" : false,
    "write_access" : true,
    "enabled_for_subtree" : true,
    "enabled_for_this" : true,
    "move_access" : false,
    "delete_access" : false,
    "change_rights" : false,
    "create_references" : false,
    "create_sub_entities" : false,
    "change_security_class" : false,
    "change_status" : false,
    "change_retention" : false,
    "valid_from" : "2018-08-02T12:12:00.000+02:00",
    "valid_to" : "2019-08-20T12:12:00.000+02:00"
}
]
}
]
}
}

```

5.8.4 Entity access right change

Operation changes an entity explicit access right.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityACLEntryRequest](#)

Response

See chapter [EntityACLEntryResponse](#)

Response status

200 – Entity access right updated successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity access right update

Request

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

Request content

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

Response

```
{
  "acl_entry" : {
    "id" : "AAAAAWJlbmpgbWlu",
    "subject" : "Support group",
    "type" : "DIRECTORY",
    "directory_entity" : {
      "id" : "Support group",
      "type" : "GROUP"
    },
    "explicit_allow_rights" : {
      "read_access" : true,
      "write_access" : false,
      "enabled_for_subtree" : true,
      "enabled_for_this" : true,
      "move_access" : false,
      "delete_access" : false,
      "change_rights" : false,
      "create_references" : false,
      "create_sub_entities" : false,
      "change_security_class" : false,
      "change_status" : true,
      "change_retention" : false,
      "valid_from" : "2016-08-02T12:12:00.000+02:00",
      "valid_to" : "2016-11-01T11:12:00.000+01:00",
    },
    "explicit_deny_rights" : {
      "read_access" : false,
      "write_access" : true,
      "enabled_for_subtree" : true,
      "enabled_for_this" : true,
      "move_access" : false,
      "delete_access" : true,
      "change_rights" : false,
      "create_references" : false,
      "create_sub_entities" : false,
      "change_security_class" : false,
      "change_status" : false,
      "change_retention" : false,
      "valid_from" : "2016-08-02T12:12:00.000+02:00",
      "valid_to" : "2016-08-20T14:12:00.000+02:00"
    }
  }
}
```

5.8.5 Entity property access right change

Operation changes an entity property explicit access right.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityPropertyACLEntryRequest](#)

Response

See chapter [EntityPropertyACLEntryResponse](#)

Response status

200 – Entity property access right changed successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity property access right update

Request

PUT

<https://apps.imis.eu/scsvc/archives/IARC/entities/H:moCqRsJT9v3FgOkN/acl/AttrBool/AAAAAWJlbmphpbWlu.json>

Request content

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

Response

```
{
  "property_acl_entry" : {
    "id" : "AAAAAWJlbmpgbWlu",
    "subject" : "Support group",
    "type" : "DIRECTORY",
    "directory_entry" : {
      "id" : "Support group",
      "type" : "GROUP"
    },
    "effective_rights" : {
      "create_access" : false,
      "delete_access" : false,
      "enabled_for_subtree" : true,
      "enabled_for_this" : true,
      "read_access" : true,
      "write_access" : false
    },
    "explicit_deny_rights" : {
      "create_access" : false,
      "delete_access" : true,
      "enabled_for_subtree" : true,
      "enabled_for_this" : true,
      "read_access" : true,
      "write_access" : false,
      "valid_from" : "2016-08-02T12:12:00.000+02:00",
      "valid_to" : "2016-11-01T12:12:00.000+01:00"
    }
  }
}
```

5.8.6 Entity access right delete

Operation deletes an entity access right.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Response status

200 – Entity access right deleted successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity access right delete**Request**

DELETE

`https://apps.imis.eu/scsvc/archives/IARC/entities/H:moCqRsJT9v3FgOkN/acl/AAAAAWJlbmphbWlu.json`

Response status

200 – Entity access right deleted successfully.

5.8.7 Entity property access right delete

Operation deletes an entity property access right.

Request

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

and

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

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

Request parameters

reason	String	The reason for entity open (when "entityIdKind" value is not "H").
--------	--------	--

Request header

Authorization: Bearer [session token]

Response status

200 – Entity property access right deleted successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity property access right delete

Request

```
DELETE https://apps.imis.eu/scsvc/archives/IARC/entities/cbc80d24496c1cff9ac4cc1031  
cc7bcfb2d79832c0fdeebcd41e1f3a0dbacc7b/acl/AttrBool/keiraclay.json
```

Response status

200 – Entity property access right deleted successfully.

5.9 Template

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

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

5.9.1 Templates read

Operation reads templates.

Request

GET archives/{archiveld}/templates.json

Request header

Authorization: Bearer [session token]

Response

See chapter [TemplatesResponse](#)

Response status

200 – Templates read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the templates read

Request

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

Request header

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

Response

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

```
"Opened",
"Closed"
],
"significance_values": [
    "Vital",
    "Permanent",
    "Retain",
    "Delete"
],
"physical_property_status_values": [
    "CheckedIn",
    "CheckedOut"
]
},
{
    "id": "Class",
    "description": "Class entity",
    "entity_count": 94,
    "entity_type": "CLASS",
    "properties": [
        {
            "id": "Revision date",
            "description": "Date/time of a revision",
            "type": "DATE_TIME",
            "options": {
                "append_only": false,
                "full_text_indexed": false,
                "included_in_aip": false,
                "inherited": true,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": true,
                "read_only": false,
                "read_only_after_check_in": false,
                "read_only_after_create": false,
                "required": false,
                "searchable": true,
                "unique": false
            }
        }
    ],
    "physical_properties": false,
    "email_properties": false,
    "versionable": false,
    "security_class_values": [
        "Unspecified",
        "Top Secret",
        "Secret",
        "Confidential",
        "Restricted",
        "Unclassified"
    ],
    "status_values": [
        "Opened",
        "Closed"
    ],
    "significance_values": [
        "Vital",
        "Permanent",
        "Retain",
        "Delete"
    ],
    "physical_property_status_values": []
},
{
    "id": "ClassCustom",
    "description": "",
    "entity_count": 0,
    "entity_type": "CLASS",
    "properties": [],
    "physical_properties": false,
    "email_properties": false,
    "versionable": false,
```

```
"security_class_values": [
    "Unspecified",
    "Top Secret",
    "Secret",
    "Confidential",
    "Restricted",
    "Unclassified"
],
"status_values": [
    "Opened",
    "Closed"
],
"significance_values": [
    "Vital",
    "Permanent",
    "Retain",
    "Delete"
],
"physical_property_status_values": []
}, {
    "content_options" : [
        {
            "public" : false,
            "read_only" : false,
            "read_only_after_check_in" : false,
            "read_only_after_create" : false,
            "versionable" : true
        }
    ],
    "id": "Document",
    "description": "Standalone document entity",
    "entity_count": 42,
    "entity_type": "DOCUMENT",
    "properties": [
        {
            "id": "Quality assurance",
            "description": "Quality assurance attribute",
            "type": "INT32",
            "options": {
                "append_only": false,
                "full_text_indexed": false,
                "included_in_aip": true,
                "inherited": true,
                "multi_value": true,
                "non_empty": false,
                "pick_list": false,
                "public": false,
                "read_only": false,
                "read_only_after_check_in" : false,
                "read_only_after_create" : false,
                "required": false,
                "searchable": true,
                "unique": false
            }
        },
        {
            "id": "Production",
            "description": "Production attribute",
            "type": "STRINGMAX",
            "options": {
                "append_only": false,
                "full_text_indexed": false,
                "included_in_aip": false,
                "inherited": false,
                "multi_value": false,
                "non_empty": false,
                "pick_list": false,
                "public": true,
                "read_only": false,
                "read_only_after_check_in" : false,
                "read_only_after_create" : false,
                "required": false,
                "searchable": true,
                "unique": false
            }
        }
    ]
}
```

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

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

```
  },
  "content_options" : [
    "public" : false,
    "read_only" : false,
    "read_only_after_check_in" : false,
    "read_only_after_create" : false,
    "versionable" : true
  ],
  "id": "FiledDocument",
  "description": "Document filed into a folder/case entity",
  "entity_count": 11,
  "entity_type": "DOCUMENT",
  "properties": [
    {
      "id": "Public custom attribute",
      "description": "",
      "type": "STRING50",
      "options": {
        "append_only": false,
        "included_in_aip": true,
        "inherited": false,
        "multi_value": true,
        "non_empty": false,
        "pick_list": false,
        "public": true,
        "read_only": false,
        "read_only_after_check_in" : false,
        "read_only_after_create" : false,
        "required": false,
        "searchable": true,
        "unique": false
      }
    }
  ],
  "physical_properties": true,
  "email_properties": false,
  "versionable": false,
  "security_class_values": [
    "Unspecified",
    "Top Secret",
    "Secret",
    "Confidential",
    "Restricted",
    "Unclassified"
  ],
  "status_values": [],
  "significance_values": [
    "Vital",
    "Permanent",
    "Retain",
    "Delete"
  ],
  "physical_property_status_values": [
    "CheckedIn",
    "CheckedOut"
  ]
},
{
  "content_options" : [
    "public" : false,
    "read_only" : false,
    "read_only_after_check_in" : false,
    "read_only_after_create" : false,
    "versionable" : true
  ],
  "id": "FiledEmail",
  "description": "E-mail filed into a folder/case entity",
  "entity_count": 26,
  "entity_type": "DOCUMENT",
  "properties": [],
  "physical_properties": true,
  "email_properties": true,
  "versionable": false,
```

```
"security_class_values": [
    "Unspecified",
    "Top Secret",
    "Secret",
    "Confidential",
    "Restricted",
    "Unclassified"
],
"status_values": [],
"significance_values": [
    "Vital",
    "Permanent",
    "Retain",
    "Delete"
],
"physical_property_status_values": [
    "CheckedIn",
    "CheckedOut"
]
},
{
"content_options" : [
    {
        "public" : false,
        "read_only" : false,
        "read_only_after_check_in" : false,
        "read_only_after_create" : false,
        "versionable" : true
    }
],
"id": "Invoice",
"label": "Invoice",
"description": "Invoice document",
"entity_count": 0,
"entity_type": "DOCUMENT",
"properties": [],
"physical_properties": true,
"email_properties": false,
"versionable": false,
"security_class_values": [
    "Unspecified",
    "Top Secret",
    "Secret",
    "Confidential",
    "Restricted",
    "Unclassified"
],
"status_values": [],
"significance_values": [
    "Vital",
    "Permanent",
    "Retain",
    "Delete"
],
"physical_property_status_values": [
    "CheckedIn",
    "CheckedOut"
]
}
]
```

5.9.2 Template read

Operation reads template.

Request

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

Request header

Authorization: Bearer [session token]

Response

See chapter [TemplateResponse](#)

Response status

200 – Template read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the template Class read

Request

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

Request header

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

Response

```
{  
    "template": {  
        "id": "Class",  
        "label": "Class",  
        "description": "Class entity",  
        "entity_count": 401,  
        "entity_type": "CLASS",  
        "properties": [  
            {  
                "id": "Review Trigger",  
                "label": "Review date",  
                "description": "The review date",  
                "type": "DATE_TIME",  
                "options": {  
                    "append_only": false,  
                    "full_text_indexed": false,  
                    "included_in_aip": false,  
                    "inherited": true,  
                    "multi_value": false,  
                    "non_empty": false,  
                    "pick_list": false,  
                    "public": true,  
                    "read_only": false,  
                    "read_only_after_check_in": false,  
                    "read_only_after_create": false,  
                    "required": false,  
                    "searchable": true,  
                    "unique": false,  
                    "versionable": false  
                }  
            },  
            {  
                "id": "acl:Editor",  
                "label": "Editors",  
                "description": "List of directory entities which can modify the entity",  
                "type": "DIRECTORY_ENTITY",  
                "options": {  
                    "append_only": false,  
                    "full_text_indexed": false,  
                    "included_in_aip": false,  
                    "inherited": false,  
                    "multi_value": true,  
                    "non_empty": false,  
                    "pick_list": false,  
                    "public": true,  
                    "read_only": false,  
                    "read_only_after_check_in": false,  
                    "read_only_after_create": false,  
                    "required": false,  
                    "searchable": true,  
                    "unique": false,  
                    "versionable": false  
                }  
            },  
            {  
                "id": "acl:NoAccess",  
                "label": "No Access",  
                "description": "List of directory entities which have no access to the entity",  
                "type": "DIRECTORY_ENTITY",  
                "options": {  
                    "append_only": false,  
                    "full_text_indexed": false,  
                    "included_in_aip": false,  
                    "inherited": true,  
                    "multi_value": true,  
                    "non_empty": false,  
                    "pick_list": false,  
                    "public": true,  
                    "read_only": false,  
                    "searchable": true,  
                    "unique": false,  
                    "versionable": false  
                }  
            }  
        ]  
    }  
}
```

```
"read_only_after_check_in": false,
"read_only_after_create": false,
"required": false,
"searchable": true,
"unique": false,
"versionable": false
},
{
  "id": "acl:Reader",
  "label": "Readers",
  "description": "List of directory entities which can read the entity",
  "type": "DIRECTORY_ENTITY",
  "options": {
    "append_only": false,
    "full_text_indexed": false,
    "included_in_aip": false,
    "inherited": false,
    "multi_value": true,
    "non_empty": false,
    "pick_list": false,
    "public": true,
    "read_only": false,
    "read_only_after_check_in": false,
    "read_only_after_create": false,
    "required": false,
    "searchable": true,
    "unique": false,
    "versionable": false
  }
},
"physical_properties": false,
"email_properties": false,
"content_options": [
  {
    "public": false,
    "read_only": false,
    "read_only_after_create": false,
    "read_only_after_check_in": false,
    "versionable": false
  }
],
"versionable": false,
"security_class_values": [
  "Unspecified",
  "Top Secret",
  "Secret",
  "Confidential",
  "Restricted",
  "Unclassified"
],
"status_values": [
  "Opened",
  "Closed"
],
"significance_values": [
  "Vital",
  "Permanent",
  "Retain",
  "Delete"
],
"system_properties": {
  "title": {
    "id": "sys:Title",
    "label": "Title",
    "description": "Entity title",
    "type": "STRING200",
    "options": {
      "append_only": false,
      "full_text_indexed": false,
```

```
"included_in_aip": false,
"inherited": false,
"multi_value": false,
"non_empty": true,
"pick_list": false,
"public": true,
"read_only": false,
"read_only_after_check_in": false,
"read_only_after_create": false,
"required": true,
"searchable": true,
"unique": false,
"versionable": false
},
},
"description": {
"id": "sys:Description",
"label": "Description",
"description": "Entity brief description",
"type": "STRING200",
"options": {
"append_only": false,
"full_text_indexed": false,
"included_in_aip": false,
"inherited": false,
"multi_value": false,
"non_empty": false,
"pick_list": false,
"public": true,
"read_only": false,
"read_only_after_check_in": false,
"read_only_after_create": false,
"required": false,
"searchable": false,
"unique": false,
"versionable": false
}
},
"keywords": {
"id": "sys:Keywords",
"label": "Keywords",
"description": "Entity keywords",
"type": "STRING30",
"options": {
"append_only": false,
"full_text_indexed": false,
"included_in_aip": false,
"inherited": false,
"multi_value": true,
"non_empty": true,
"pick_list": false,
"public": true,
"read_only": false,
"read_only_after_check_in": false,
"read_only_after_create": false,
"required": false,
"searchable": true,
"unique": false,
"versionable": false
}
},
"status": {
"id": "sys>Status",
"label": "Status",
"description": "Entity status",
"type": "UINT32",
"options": {
"append_only": false,
"full_text_indexed": false,
"included_in_aip": false,
"inherited": true,
```

```
"multi_value": false,
"non_empty": false,
"pick_list": true,
"public": true,
"read_only": false,
"read_only_after_check_in": false,
"read_only_after_create": true,
"required": true,
"searchable": true,
"unique": false,
"versionable": false
},
"values": [
    "Opened",
    "Closed"
]
},
"security_class": {
    "id": "sys:SecurityClass",
    "label": "Security Class",
    "description": "Entity Security Class",
    "type": "UINT32",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": true,
        "multi_value": false,
        "non_empty": false,
        "pick_list": true,
        "public": true,
        "read_only": false,
        "read_only_after_check_in": false,
        "read_only_after_create": true,
        "required": false,
        "searchable": true,
        "unique": false,
        "versionable": false
    },
    "values": [
        "Unspecified",
        "Top Secret",
        "Secret",
        "Confidential",
        "Restricted",
        "Unclassified"
    ]
},
"owner": {
    "id": "sys:Owner",
    "label": "Owner",
    "description": "Entity custodian",
    "type": " DIRECTORY_ENTITY",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": true,
        "read_only": false,
        "read_only_after_check_in": false,
        "read_only_after_create": false,
        "required": false,
        "searchable": true,
        "unique": false,
        "versionable": false
    }
},
```

```
"external_ids": {
    "id": "sys:ExternalIds",
    "label": "External Identifier",
    "description": "Entity unique external ids",
    "type": "STRING100",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": true,
        "non_empty": true,
        "pick_list": false,
        "public": true,
        "read_only": false,
        "read_only_after_check_in": false,
        "read_only_after_create": false,
        "required": false,
        "searchable": true,
        "unique": true,
        "versionable": false
    }
},
"opened": {
    "id": "sys:Opened",
    "label": "Opened",
    "description": "Date and time when entity's status was set to 'Opened'",
    "type": "DATE_TIME",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": true,
        "read_only": false,
        "read_only_after_check_in": false,
        "read_only_after_create": false,
        "required": false,
        "searchable": true,
        "unique": false,
        "versionable": false
    }
},
"closed": {
    "id": "sys:Closed",
    "label": "Closed",
    "description": "Date and time when entity's status was set to 'Closed'",
    "type": "DATE_TIME",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": true,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": true,
        "read_only": false,
        "read_only_after_check_in": false,
        "read_only_after_create": false,
        "required": false,
        "searchable": true,
        "unique": false,
        "versionable": false
    }
},
"creator": {
    "id": "sys:Creator",
```

```
"label": "Creator",
"description": "Entity creator",
"type": "DIRECTORY_ENTITY",
"options": {
    "append_only": false,
    "full_text_indexed": false,
    "included_in_aip": false,
    "inherited": false,
    "multi_value": false,
    "non_empty": false,
    "pick_list": false,
    "public": true,
    "read_only": true,
    "read_only_after_check_in": false,
    "read_only_after_create": false,
    "required": true,
    "searchable": true,
    "unique": false,
    "versionable": false
},
"significance": {
    "id": "sys:Significance",
    "label": "Significance",
    "description": "Entity significance state",
    "type": "UINT32",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": true,
        "multi_value": false,
        "non_empty": false,
        "pick_list": true,
        "public": true,
        "read_only": false,
        "read_only_after_check_in": false,
        "read_only_after_create": false,
        "required": false,
        "searchable": true,
        "unique": false,
        "versionable": false
    },
    "values": [
        "Vital",
        "Permanent",
        "Retain",
        "Delete"
    ]
},
"modified_by": {
    "id": "sys:ModifiedBy",
    "label": "Modified By",
    "description": "Entity's last modifier",
    "type": "DIRECTORY_ENTITY",
    "options": {
        "append_only": false,
        "full_text_indexed": false,
        "included_in_aip": false,
        "inherited": false,
        "multi_value": false,
        "non_empty": false,
        "pick_list": false,
        "public": true,
        "read_only": true,
        "read_only_after_check_in": false,
        "read_only_after_create": false,
        "required": false,
        "searchable": true,
        "unique": false,
        "versionable": false
    }
}
```

```
    }  
}  
}  
}
```

5.10 Directory

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

Operation with the directory is described below.

5.10.1 Directory entities read

Operation reads directory entities.

Request

GET archives/{archiveld}/directory.json

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

Request parameters

page_start	Int	The beginning of the page.
page_size	Int	The size of the page.
q	String	Search query.
sort	String	The field used for sorting. The set of values: - id.
sort_order	String	The sort order of the collection (optional). Valid only if the "sort" parameter exists. The set of values: - asc: Ascending (default value) - desc: Descending.
fields	String	Defines the fields in the reply.

Request header

Authorization: Bearer [session token]

Response

See chapter [DirectoryEntitiesResponse](#)

Response status

200 – Directory entities read successfully.

401 – Invalid session.

500 - Server error.

Example of the directory entities read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/directory.json?page_size=2&page_start=0

Request header

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

Response

```
{  
    "directory_entities": [{  
        "deleted": false,  
        "description": "IMiS software user group ",  
        "email": "imis.usergroup@imis.eu",  
        "enabled": true,  
        "first_name": "IMiS",  
        "id": "IMiS user group",  
        "last_name": "user group",  
        "security_class_level": "Unspecified",  
        "type": "GROUP"  
    }, {  
        "deleted": false,  
        "description": "Sessions authenticated by legacy protocols",  
        "email": "",  
        "enabled": true,  
        "first_name": "",  
        "id": "Anonymous",  
        "last_name": "Anonymous",  
        "security_class_level": "Unspecified",  
        "type": "USER"  
    }],  
    "page_size": 2,  
    "page_start": 0,  
    "size": 200  
}
```

5.10.2 Directory entity read

Operation reads directory entity.

Request

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [DirectoryEntityResponse](#)

Response status

200 – Directory entity read successfully.

401 – Invalid session

404 – Object does not exist.

500 - Server error.

Example of the directory entity read

Request

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

Request header

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

Response

```
{
  "directory_entity" : {
    "deleted" : false,
    "description" : "IMiS software user group",
    "email" : "imis.usergroup@imis.eu",
    "enabled" : true,
    "first_name" : "IMiS",
    "id" : "IMiS user group",
    "last_name" : "user group",
    "security_class_level" : "Unspecified",
    "type" : "GROUP"
  }
}
```

5.10.3 Directory entity members read

Operation reads members of the selected directory entity group.

Request

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

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

Request parameters

page_start	Int	The beginning of the page.
page_size	Int	The size of the page.
q	String	Search query.
sort	String	The field used for sorting. The set of values: - id.
sort_order	String	The sort order of the collection (optional). Valid only if the “sort” parameter exists. The set of values: - asc: Ascending (default value). - desc: Descending.
fields	String	Defines the fields in the reply.

Request header

Authorization: Bearer [session token]

Response

See chapter [DirectoryEntitiesResponse](#)

Response status

200 – Directory entity members read successfully.

401 – Invalid session

404 – Object does not exist.

500 - Server error.

Example of the directory entity “IMiS user group” members read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/directory/IMiS%20user%20group/members.json?page_size=2&page_start=0

Request header

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

Response

```
{  
  "directory_entities" : [ {  
    "deleted" : false,  
    "description" : "Human Resources",  
    "email" : "john.smith@acme.com",  
    "enabled" : true,  
    "first_name" : "John",  
    "id" : "johnsmith",  
    "last_name" : "Smith",  
    "security_class_level" : "Unspecified",  
    "type" : "USER"  
  }, {  
    "deleted" : false,  
    "description" : "ICT support",  
    "email" : "ron.salazar@acme.com",  
    "enabled" : true,  
    "first_name" : "Ron",  
    "id" : "ronsalazar",  
    "last_name" : "Salazar",  
    "security_class_level" : "Unspecified",  
    "type" : "USER"  
  }  
],  
  "page_size": 2,  
  "page_start": 0  
  "size": 2  
}
```

5.10.4 Current user read

Operation reads directory entity information of current user.

Request

GET archives/{archiveld}/account.json

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [AccountResponse](#)

Response status

200 – Directory entity members read successfully.

401 – Invalid session

500 - Server error.

Example of the current user read

Request

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

Request header

Authorization: Bearer YdjRVWfvhhMJ0ZQSPsQ8OyBQdNHdbtKHEn

Response

```
{  
    "directory_entity": {  
        "id": "admin",  
        "first_name": "",  
        "last_name": "Administrator",  
        "email": "admin@acme.com",  
        "description": "Archive administrator",  
        "security_class_level": "Top Secret",  
        "type": "USER",  
        "deleted": false,  
        "enabled": true,  
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/account/avatar",  
        "description_editable": true,  
        "email_editable": true,  
        "first_name_editable": true,  
        "icon_editable": true,  
        "last_name_editable": true  
    }  
}
```

5.10.5 Password change

Operation changes the password of current user.

Request

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Request content

See chapter [PasswordChangeRequest](#)

Response status

200 – Password changed successfully.

400 – Bad request.

401 – Invalid session

500 - Server error.

Example of the password change

Request

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

Request header

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

Request content

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

Response status

200 – Password changed successfully.

5.10.6 User profile change

Operation changes properties of the current user.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

PUT archives/{archiveld}/account.json

Request parameters

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

Request header

Authorization: Bearer [session token]

Request content

See chapter [AccountUpdateRequest](#)

Response

See chapter [AccountResponse](#)

Response status

200 – User profile changed successfully.

400 – Bad request.

401 – Invalid session

500 - Server error.

5.10.7 Avatar read

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

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

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

or

GET archives/{archiveld}/account/avatar

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

The set of avatar data.

Response status

200 – Avatar read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.10.8 Avatar change

Operation changes avatar of the current user.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveld}/account/avatar

Request parameters

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

Request header

Authorization: Bearer [session token]

Content-Type: Content type

Request content

The set of avatar data.

Response status

200 – Avatar changed successfully.

400 – Bad request.

401 – Invalid session.

500 - Server error.

5.11 Retention

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

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

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

5.11.1 Retention policies read

Operation reads entity retention policies.

Request

GET archives/{archiveld}/retention_policies.json

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [RetentionPoliciesResponse](#)

Response status

200 – Entity retention policies read successfully.

401 – Invalid session.

500 - Server error.

Example of the entity retention policies read

Request

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

Request header

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

Response

```
{
  "retention_policies" : [
    {
      "id" : "AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw",
      "name" : "10 years",
      "accessed" : "2016-07-25T09:44:33.016+02:00",
      "created" : "2015-09-25T10:30:41.052+02:00",
      "modified" : "2016-07-25T09:44:33.018+02:00",
      "action" : "Dispose",
      "creator" : {
        "id" : "johnsmith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/johnsmith.json"
      },
      "description" : "Dispose after 10 years",
      "detailed_description" : "10 years after closure entity is disposed in the review process",
      "reason" : "Dispose entities after 10 years",
      "trigger" : "[EntityClose_Review] +10Y < @NOW@",
      "links" : [
        {
          "type" : "objects",
          "uri" :
          "https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSzhfzUNuhA-4_raqO601b01C_r4Ipw/objects.json"
        }
      ]
    }
  ]
}
```

5.11.2 Retention policy read

Operation reads entity retention policy.

Request

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [RetentionPolicyResponse](#)

Response status

200 – Entity retention policy read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity retention policy read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfv  
UNuhA-4_raqO601b01C_r4Ipw.json
```

Request header

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

Response

```
{  
  "retention_policy" : {  
    "id" : "AywTRqKdetY4sSZhfvUNuhA-4_raqO601b01C_r4Ipw",  
    "name" : "10 years",  
    "accessed" : "2016-07-25T09:44:33.016+02:00",  
    "created" : "2015-09-25T10:30:41.052+02:00",  
    "modified" : "2016-07-25T09:44:33.018+02:00",  
    "action" : "Dispose",  
    "creator" : {  
      "id" : "johnsmith",  
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/johnsmith.json"  
    },  
    "description" : "Dispose after 10 years",  
    "detailed_description" : "10 years after closure entity is disposed in the review  
process",  
    "reason" : "Dispose entities after 10 years",  
    "trigger" : "[EntityClose_Review] +10Y < @NOW@",  
    "links" : [{  
      "type" : "objects",  
      "uri" :  
        "https://apps.imis.eu/scsvc/archives/IARC98/retention_policies/AywTRqKdetY4sSZhfvUNuhA-  
4_raqO601b01C_r4Ipw/objects.json"  
    }  
  }  
}
```

5.11.3 Entity retention policy content objects read

Operation reads retention policy content objects.

Request

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

Request header

Authorization: Bearer [session token]

Response

The set of object data.

Response header

Content-Type: Content type.

Content-Length: Content size (in bytes).

Response status

200 – Entity retention policy content objects read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity retention policy content objects

Request

`https://apps.imis.eu/scsvc/archives/IARC/retention_policies/AywTRqKdetY4sSZhfvUNuhA-4_raq0601b0IC_r4lpw/objects/y6RWCiVXkVBUrjewasOGOLigKbJcR8qd`

Request header

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

Response

`test`

Response header

Content-Type: text/plain

Content-Length: 4

5.11.4 Entity retention policy object properties read

Operation reads entity retention policy object properties.

Request

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity retention policy object properties read.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity retention policy object properties read

Request

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

AywTRqKdetY4sSZhfvUNuhA-

4_raq0601b0IC_r4lpw/objects/y6RWCiVXkVBUrjewasOGOLigKbJcR8qd.json

Request header

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

Response

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

5.11.5 Retention policy audit log read

Operation reads entity retention policy audit log.

Request

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [AuditLog](#)

Response status

200 – Entity retention policy audit log read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity retention policy audit log read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/retention_policies/  
AywTRqKdetY4sSZhfvUNuhA-4_raqO601b0IC_r4lpw/audit_log.json
```

Request header

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

Response

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

5.12 Content objects

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

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

5.12.1 Entity content object read

Operation reads an entity content object.

Request

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

and

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

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

Request parameters

version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request header

Authorization: Bearer [session token]

Response

The set of object data.

Response header

Content-Type: Content type.

Content-Length: Content size (in bytes).

Response status

200 – Entity content objects read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content objects read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/entities/818ab674825358fccad8728cae072  
f676e4ebd1e2ae0a9dd1c659855f0e0fa33/objects/100706979
```

Request header

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

Response

```
test
```

Response header

Content-Type: text/plain

Content-Length: 4

5.12.2 Reading an indexed entity content object

Operation reads an entity object information.

Request

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

and

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

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

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request header

Authorization: Bearer [session token]

Response

The set of object data.

Response header

Content-Type: Content type.

Content-Length: Content size (in bytes).

Response status

200 – Entity object read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.12.3 Entity content object and properties read

Operation reads an entity content object properties.

Request

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

and

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

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

Request parameters

version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when “entityIdKind” value is not “H”).

Request header

Authorization: Bearer [session token]

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity content object properties read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content object properties read

Request

GET

<https://apps.imis.eu/scsvc/archives/IARC/entities/25d61795ed3e08e89251eda8212c76f6cb1e3c733fc9718fdb1cbe996985b0d3/objects/2075b8077354a6516e111c8dd0e5941e892b3311a583bf37b96742fed0fc836f.json>

Request header

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

Response

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

5.12.4 Reading indexed entity content object metadata

Operation reads an entity content object properties.

Request

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

and

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

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

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request header

Authorization: Bearer [session token]

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity content object properties read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.12.5 Entity object create

Operation creates an entity content object.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

Content-Type: Content type

Request parameters

description	String	A description of the entity content object (optional).
container_id	String	Unique identifier of additional entity content object container (optional).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request content

The set of object data.

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity content object created successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content object createRequest

```
POST https://apps.imis.eu/scsvc/archives/IARC/entities/QQ9mDne6yHvxuKhsgySonIckEAcrpi9P0yGMmtOw8NE/objects?description=test24
```

Request header

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

Content-Type: text/plain

Request content

```
test
```

Response

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

5.12.6 Entity object change

Operation changes an entity content object and description.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

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

Request parameters

description	String	A description of the content object (optional).
new_index	Integer	New object index in the collection of entity objects (applies to a specific content object container).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).

Request content

The set of object data.

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity object updated successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content object updateRequest

```
PUT https://apps.imis.eu/scsvc/archives/IARC/entities/  
QQ9mDne6yHvxuKhsgySonIckEAcipi9P0yGMmtOw8NE/objects
```

Request header

```
Authorization: Bearer d0f9eb89-8c43-4dd4-ba9d-14c471fa53f0  
Content-Type: text/plain
```

Request content

```
test
```

Response

```
{  
    "object": {  
        "id": "100677409",  
        "description": "test24",  
        "size": 4,  
        "created": "2017-03-15T11:27:04.040+01:00",  
        "accessed": "2017-03-15T11:27:04.040+01:00",  
        "modified": "2017-03-15T11:27:04.040+01:00",  
        "content_type": "text/plain",  
        "extension": ".txt",  
        "links": [  
            {"type": "content",  
             "uri": "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcipi9P0yGMmtOw8NE/objects/100677409"},  
            {"type": "content_with_metadata",  
             "uri": "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:QQ9mDne6yHvxuKhsgySonIckEAcipi9P0yGMmtOw8NE/objects/100677409.json"}  
        ]  
    }  
}
```

5.12.7 Modifying an indexed entity content object

Operation updates an entity description and content object.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

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

Request parameters

description	String	Object description (optional).
index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request content

The set of object data.

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity object updated successfully.

400 – Bad request.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.12.8 Entity object delete

Operation deletes an entity content object.

Request

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

and

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

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

Request parameters

version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request header

Authorization: Bearer [session token]

Response status

200 – Entity content object deleted successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content object delete

Request

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

Request header

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

Response status

200 – Entity content object deleted successfully.

5.12.9 Deleting an indexed entity content object

Operation deletes an entity content object.

Request

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

and

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

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

Request parameters

index	Integer	Object index in a collection of objects (optional, default value is 0).
version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
reason	String	The reason for entity open (when "entityIdKind" value is not "H").

Request header

Authorization: Bearer [session token]

Response status

200 – Entity content object deleted successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.12.10 Entity object move

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

Request

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

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

and

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

Request parameters

reason	String	The reason to move (optional).
source_version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
target_container_id	String	Unique identifier of additional entity content object container of target entity (optional).
target_version	Integer	Target entity version (optional; IMiS®/ARChive Server 9.9 or higher).

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity content object moved successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content object move

Request

PUT

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

Request header

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

Response

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

5.12.11 Entity content object copy

Operation copies an entity content object to another entity.

Request

PUT archives/{archiveld}/entities/{id}/objects/{objectId}/copy/{targetId}.json

and

PUT

archives/{archiveld}/entities/{entityIdKind}:{id}/objects/{objectId}/copy/{entityIdKind}:{target}.json

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

Request parameters

container_id	String	Unique identifier of additional entity content object container of target entity (optional).
description	String	Object description (optional).
reason	String	The reason to copy (optional).
source_version	Integer	Entity version (optional; IMiS®/ARChive Server 9.9 or higher).
target_version	Integer	Target entity version (optional; IMiS®/ARChive Server 9.9 or higher).

Response

See chapter [ObjectStubResponse](#)

Response status

200 – Entity content object updated successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity content object update

Request

PUT

`https://apps.imis.eu/scsvc/archives/IARC/entities/600c57129a78c7fab1c69082eb76e219
659927871a2d6b9f7918027bd6599adf/objects/ac23f6737512c19a32f75f4948d7d85cba70
ce441c5829f31b01aeeae726b75b/copy/l:600c57129a78c7fab1c69082eb76e219659927871
a2d6b9f7918027bd6599adf.json?description=03.jpeg`

Request header

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

Response

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

5.12.12 Queue for indexing / conversion

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

Request

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

and

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

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

Request parameters

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

Request content

See chapter [ObjectManageRequest](#)

Response

See chapter [ObjectStubResponse](#)

Response status

- 200 – Entity content object marked successfully.
- 400 – Bad request.
- 401 – Invalid session.
- 404 – Object does not exist.
- 500 - Server error.

Example of the entity queuing for indexing or conversion

Request

PUT

<https://apps.imis.eu/scsvc/archives/IARC/entities/600c57129a78c7fab1c69082eb76e219659927871a2d6b9f7918027bd6599adf/objects/ac23f6737512c19a32f75f4948d7d85cba70ce441c5829f31b01aeeae726b75b/manage.json>

Request header

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

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

Response

```
{  
  "object": {  
    "id": "1e1c54264783c3e93026fc bac2d012e2ef180ab86b9c9b74ccc92847f2f204e8",  
    "description": "license.rtf",  
    "size": 13559,  
    "created": "2017-07-19T09:45:55.578Z",  
    "accessed": "2017-07-19T12:05:44.387Z",  
    "modified": "2017-07-19T09:45:55.578Z",  
    "content_type": "application/msword",  
    "extension": ".doc",  
    "child_count": 1,  
    "signed": false,  
    "indexed": false  
  }  
}
```

5.12.13 Entity object detach

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

Request

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

and

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

Request parameters

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

Response

See chapter [ObjectStubResponse](#)

5.12.14 Reading a content object by parts

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

Request

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

and

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

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

Request parameters

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

Request header

Authorization: Bearer [session token]

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

Response

The set of object data.

Response header

Content-Type: Content type.

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

Response status

200 – Entity content object read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.12.15 Reading an indexed content object by parts

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

Request

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

and

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

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

Request parameters

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

Request header

Authorization: Bearer [session token]

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

Response

The set of data object.

Response header

Content-Type: Content type.

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

Response status

200 – Entity content object read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.13 Authenticity

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

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

5.13.1 Entity authenticity and integrity proofs read

Operation reads an entity authenticity and integrity proofs.

Request

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

and

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

and

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

and

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

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

Request parameters

reason	String	The reason for entity open (when “entityIdKind” value is not “H”).
--------	--------	--

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityNonrepudiationResponse](#)

Response status

200 – Entity authenticity and integrity proofs read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the authenticity and integrity proofs

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/entities/  
fn7bkQwl89P1DupVWGLrarzEC6vVCB1-jWoSBmr4lZA/nonrepudiation.json
```

Request header

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

Response

```
{
  "nonrepudiation" : {
    "archival_information_package" : "PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluzz0iVVRLTgiPz48YlwOkFJUCB4bWxucphaxA9Imh0dHA6Ly93d3cuaW1pcy5ldS9pbWlzYXjJl2FpcCIgeG1sbnM6ZHM9Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvMDkveG1sZHNpZyMiPjxhaXA6SGVhZGVyIFZlcNpb249IjEiPjxkcjpDYw5vbmljYWxpeMf0aW9uTWV0aG9kIEFsZ29yaXRobT0iaHR0cDovL3d3dy53MyvcmcvFIvMjAwMS9SRUMteG1sLWMxNG4tMjAwMTAzMTUiLz48L2FpcDpIZWFkZXI+PGFpcDpBdHRyaWJ1dGUgSWQ9IkF0cmliidXQgOTMiIFR5cGU9IjciLz48YlwOkF0dHJpYnV0ZSBJZD0iQRyaWJ1dCA5OSIgVh1wZT0iMTgilz48YlwOkF0dHJpYnV0ZSBJZD0ic31zOkNvbWlpdExvzIgVh1wZT0iMTcilz48YlwOkNvbnRlbnQgSWQ9InN5czpDb250ZW50Ij48Yw1wOkNvbnRlbnRWYwx1Zt48ZHM6RG1nZN0TWV0aG9kIEFsZ29yaXRobT0iaHR0cDovL3d3dy53MyvcmcvMjAwMS8wNC94bWx1bmMjc2hhMjU2Ii8+PGRzOkRpZ2VzdFZhbHV1Pk52MDZMaHNUR1pWZ0NjU2t3OTA1U0pXQWkzNHdzKytOWHY4RWYrUXFpMjA9PC9kcjpEaWdlc3RWYwx1Zt48L2FpcDpDb250ZW50VmFsdWU+PGFpcDpDb250ZW50VmFsdWU+PGRzOkRpZ2VzdE1ldGhvZCBBbGdvcm10aG09Imh0dHA6Ly93d3cudzMub3JnLzIwMDEvMDQveG1sZW5jI3NoYTI1NiIvpxjxkcjpEaWdlc3RWYwx1Zt5vbE9xQW9FbVp4ajZUeXdHajloRzR6MVBN1BtMFVPaFRxMjNBUXMxWDVrPTwvZHm6RG1nZN0VmFsdWU+PC9haXA6Q9haF829udGVudFZhbHV1PjwvYlwOkNvbnRlbnQ+PC9haXA6Q1QPg==",
    "evidence_records" : [
      "PD94bWwgdmVyc2lvbj0iMS4wIiBlbmNvZGluzz0iVVRLTgiPz48RXzpZGVuY2VSZWNvcmQgeG1sbnM9InVybJppZXRmOnBhcmFtczp4bWw6bnM6ZXJzIiBWZXJzaW9uPSIxIjAiPjxBcmN0aXz1VGltZVN0Yw1wU2VxdWVuY2U+PEFyY2hpdmVUAw11U3RhbXBdaGFpbIBPcmRlcj0iMSI+PERpZ2VzdE1ldGhvZCBBbGdvcm10aG09Imh0dHA6Ly93d3cudzMub3JnLzIwMDAvmDkveG1sZHNpZyNzaGEIxI8+PENhb9uaWNhbG16YXRpb25NZXRob2QgQWxb3JpdGhtPSJodHRwOi8vd3d3LnczLm9yzY9UUi8yMDAxL1JFQy14bWwtYzE0bi0yMDAxMDMxNSIvPjxBcmN0aXz1VGltZVN0Yw1wIE9yZGVyPSIxIj48SGFzaFRyZwu+PFN1cXV1bmN1IE9yZGVyPSIxIj48RG1nZN0VmFsdWU+aEU5cnpMTXVTbGFOWkIxSzKzY0MrM0NNRzh3PTwvRg1nZN0VmFsdWU+PERpZ2VzdFZhbHV1PjBaYjvSMmlsRWJ3b043MzY0LzNEcFZh0xdTcz0810RpZ2VzdFZhbHV1PjwvU2VxdWVuY2U+PC9IYXNoVHJ1Zt48VGltZVN0Yw1wPjxuaW11U3RhbXBub2t1biBuEBSJYTuxFT1RSVNVUIj48ZHNpZzpTaWduYXR1cmUgeG1sbnM6ZHNpZz0iaHR0cDovL3d3dy53MyvcmcvMjAwMC8wOS94bWxkc2lnIyIgSWQ9I1RpbWVTdGFTcFRva2VuIj4"
    ]
  }
}
```

```
8ZHNpZzpTaWduZWRJbmZvPjxkc2lnOkNhbm9uaWNhbG16YXRpb25NZXRob2QgQWxnb3JpdGhtPSJodHRwOi8vd3d3LnczL  
m9yZy9UUi8yMDAxL1JFQy14bWwtYzE0bi0yMDAxMDMxNSIvPjxkc2lnO1NpZ25hdHVyZU1ldGhvZCBBbGdv  
...  
}  
}
```

5.14 Audit log

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

5.14.1 Entity audit log read

Operation reads entity audit log.

Request

GET archives/{archiveld}/entities/{id}/audit_log.json

and

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

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

and

GET archives/{archiveld}/entities/{id}/audit_log.csv

and

GET archives/{archiveld}/entities/{entityIdKind}:{id}/audit_log.csv

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

and

GET archives/{archiveld}/entities/{id}/audit_log.xml

and

GET archives/{archiveld}/entities/{entityIdKind}:{id}/audit_log.xml

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

Request header

Authorization: Bearer [session token]

Response (JSON)

See chapter [AuditLog](#)

Response (CSV)

See chapter [AuditLogCSV](#)

Response (XML)

Returns the entity audit log in the original form received from the archive.

Response status

200 – Entity audit log read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity audit log read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/entities/350d8c293c4bbd284b3be30010  
152c5a486bc1744f8895d2b752c4d0bd14ba46/audit_log.json
```

Request header

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

Response

```
{  
  "events" : [  
    {  
      "time" : "2016-06-07T07:44:43Z",  
      "public_address" : "192.168.92.72",  
      "local_address" : "192.168.92.72",  
      "computer_name" : "IMIS_JOHN",  
      "type" : "RETENTION_CHANGE ",  
      "details" : "Added policies:'3 years'",  
      "user" : {  
        "id" : "marcowelch",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"  
      }  
    }, {  
      "time" : "2016-06-07T07:44:43Z",  
      "public_address" : "192.168.92.72",  
      "local_address" : "192.168.92.72",  
      "computer_name" : "IMIS_JOHN",  
      "type" : "PROPERTY_VALUE_CHANGE",  
      "details" : "Changed properties: sys:Creator, sys:Title",  
      "user" : {  
        "id" : "marcowelch",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"  
      }  
    }, {  
      "time" : "2016-06-07T07:44:43Z",  
      "public_address" : "192.168.92.72",  
    }
```

```
"local_address" : "192.168.92.72",
"computer_name" : "IMIS_JOHN",
"type" : "SECURITY_CLASS_CHANGE",
"details" : "Security Class initially set to 'Unclassified [1]'",
"user" : [
    {
        "id" : "marcowelch",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"
    }
]
}
```

5.14.2 Entity audit log with multiple parameters and statistics

read

Operation reads entity audit log with more parameters and statistics.

Request

POST archives/{archiveld}/audit_log.json

and

POST archives/{archiveld}/ audit_log.csv

and

POST archives/{archiveld}/audit_log.xml

Request parameters

Authorization: Bearer [session token]

Request content

See chapter [AuditLogRequest](#)

Response (JSON)

See chapter [AuditLog](#)

Response (CSV)

See chapter [AuditLogCSV](#)

Response (XML)

Returns the audit log of the entity in its original form

Response status

200 – Entity audit log read successfully.

401 – Invalid session.

404 - Object does not exist.

500 – Server error.

Example of entity audit log read

Request

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

Request header

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

Request content

```
{  
    "after" : "2019-10-01T17:28:28+0200",  
    "before" : "2019-10-07T17:28:31+0200",  
    "page_size" : 15,  
    "page_start" : 0,  
    "refresh" : true,  
    "sort_by_date" : "DESCENDING",  
    "statistic" : true  
}
```

Response

```
{  
    "events": [  
        {  
            "classification_code": "C=60^F=2019-000038^D=000002",  
            "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.90 Safari/537.36",  
            "details": "03644.pdf [mraFOpy0U4lrwrCTISUHeONJj4C8a5RH]",  
            "id": "xEcfgfXmlzN4koumXrXltDhuyiaWsL7E",  
            "local_address": "::1",  
            "public_address": "192.168.80.64",  
            "public_classification_code": "60-2019-000038/000002",  
            "time": "2019-10-07T15:00:49Z",  
            "type": "CONTENT_PART_OPEN_READ_ONLY",  
            "user": {  
                "id": "admin",  
                "email": "admin@acme.com",  
                "first_name": "",  
                "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
                "last_name": "Administrator",  
                "type": "USER"  
            },  
            "version": 3,  
            "version_label": "2"  
        },  
        {  
            "classification_code": "C=60^F=2019-000038^D=000002",  
            "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/77.0.3865.90 Safari/537.36",  
            "details": "03644.pdf [mraFOpy0U4lrwrCTISUHeONJj4C8a5RH]",  
            "id": "xEcfgfXmlzN4koumXrXltDhuyiaWsL7E",  
            "local_address": "::1",  
            "public_address": "192.168.80.64",  
            "public_classification_code": "60-2019-000038/000002",  
            "time": "2019-10-07T15:00:49Z",  
            "type": "CONTENT_PART_OPEN_READ_ONLY",  
            "user": {  
                "id": "admin",  
                "email": "admin@acme.com",  
                "first_name": "",  
                "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
                "last_name": "Administrator",  
                "type": "USER"  
            },  
            "version": 3,  
            "version_label": "2"  
        }  
    ]  
}
```

```
        "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,  
like Gecko) Chrome/77.0.3865.90 Safari/537.36",  
        "details": "03644.pdf [mraFOpy0U4lrwrCTISUHeONJj4C8a5RH]",  
        "id": "xEcfgfXmlzN4koumXrXltDhuyiaWsL7E",  
        "local_address": "::1",  
        "public_address": "192.168.80.64",  
        "public_classification_code": "60-2019-000038/000002",  
        "time": "2019-10-07T15:00:43Z",  
        "type": "CONTENT_PART_OPEN_READ_ONLY",  
        "user": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "version": 3,  
        "version_label": "2"  
like Gecko) Chrome/77.0.3865.90 Safari/537.36",  
        "id": "xEcfgfXmlzN4koumXrXltDhuyiaWsL7E",  
        "local_address": "::1",  
        "public_address": "192.168.80.64",  
        "public_classification_code": "60-2019-000038/000002",  
        "time": "2019-10-07T15:00:41Z",  
        "type": "ENTITY_OPEN_READ_ONLY",  
        "user": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "version": 3,  
        "version_label": "2"  
like Gecko) Chrome/77.0.3865.90 Safari/537.36",  
        "id": "vI85jBXAIHVm7kKPXWf0yTa11ER4BH1t",  
        "local_address": "::1",  
        "public_address": "192.168.80.64",  
        "public_classification_code": "04",  
        "time": "2019-10-07T15:00:16Z",  
        "type": "ENTITY_OPEN_READ_WRITE",  
        "user": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        }  
like Gecko) Chrome/77.0.3865.90 Safari/537.36",  
        "id": "s54tq5hr-0FIoqZdZ2_t4xZhNFOIE9CU",  
        "local_address": "::1",  
        "public_address": "192.168.80.64",  
        "public_classification_code": "64",  
        "time": "2019-10-07T15:00:09Z",  
        "type": "ENTITY_OPEN_READ_WRITE",  
        "user": {
```

```
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    },
    {
        "classification_code": "C=60^D=000001",
        "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
        "id": "X6LJA17GRZsdQf667CJ0vjLW3ZHtlfF",
        "local_address": "::1",
        "public_address": "192.168.80.64",
        "public_classification_code": "60/000001",
        "time": "2019-10-07T15:00:04Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
        }
    },
    {
        "classification_code": "C=60^D=000062",
        "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
        "id": "WHyjF1A9twioTacyqLENT-CVxPmSrt6M",
        "local_address": "::1",
        "public_address": "192.168.80.64",
        "public_classification_code": "60/000062",
        "time": "2019-10-07T14:59:58Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
        }
    },
    {
        "classification_code": "C=60^D=000001",
        "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
        "id": "X6LJA17GRZsdQf667CJ0vjLW3ZHtlfF",
        "local_address": "::1",
        "public_address": "192.168.80.64",
        "public_classification_code": "60/000001",
        "time": "2019-10-07T14:59:53Z",
        "type": "ENTITY_OPEN_READ_WRITE",
        "user": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
            "last_name": "Administrator",
            "type": "USER"
        }
    },
    {
        "classification_code": "C=60^D=000062",
        "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
        "id": "WHyjF1A9twioTacyqLENT-CVxPmSrt6M",
        "local_address": "::1",
```

```
"public_address": "192.168.80.64",
"public_classification_code": "60/000062",
"time": "2019-10-07T14:59:48Z",
"type": "ENTITY_OPEN_READ_WRITE",
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
{
    "classification_code": "C=60^D=000001",
    "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
    "id": "X6LJA17GRZsdQf667CJ0vjLW3ZHt1rff",
    "local_address": "::1",
    "public_address": "192.168.80.64",
    "public_classification_code": "60/000001",
    "time": "2019-10-07T14:59:45Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "classification_code": "C=60^D=000001",
    "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
    "id": "X6LJA17GRZsdQf667CJ0vjLW3ZHt1rff",
    "local_address": "::1",
    "public_address": "192.168.80.64",
    "public_classification_code": "60/000001",
    "time": "2019-10-07T14:59:41Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "classification_code": "C=60^D=000001",
    "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
    "id": "X6LJA17GRZsdQf667CJ0vjLW3ZHt1rff",
    "local_address": "::1",
    "public_address": "192.168.80.64",
    "public_classification_code": "60/000001",
    "time": "2019-10-07T14:59:31Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
}
```

```
"classification_code": "C=60^D=000062",
"computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
"id": "WHyjF1A9twioTacyqLENT-CVxPmSrt6M",
"local_address": "::1",
"public_address": "192.168.80.64",
"public_classification_code": "60/000062",
"time": "2019-10-07T14:59:26Z",
"type": "ENTITY_OPEN_READ_WRITE",
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
{
    "classification_code": "C=53",
    "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
    "id": "PQkq8EKZ9AdkOZDF9I3WfspTldCrpGSX",
    "local_address": "::1",
    "public_address": "192.168.80.64",
    "public_classification_code": "53",
    "time": "2019-10-07T14:59:20Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "classification_code": "C=64",
    "computer_name": "Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
like Gecko) Chrome/77.0.3865.90 Safari/537.36",
    "id": "s54tq5hr-0FIoqZdZ2_t4xZhNFOIE9CU",
    "local_address": "::1",
    "public_address": "192.168.80.64",
    "public_classification_code": "64",
    "time": "2019-10-07T14:59:16Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
],
"size": 54358,
"statistic": {
    "days": [
        {
            "date": "2019-10-02+02:00",
            "events": 54113
        },
        {
            "date": "2019-10-03+02:00",
            "events": 84
        },
        {
            "date": "2019-10-04+02:00",
            "events": 94
        }
    ]
}
```

```
        },
        {
            "date": "2019-10-07+02:00",
            "events": 67
        }
    ],
    "users": [
        {
            "date": "2019-10-02+02:00",
            "users": 2
        },
        {
            "date": "2019-10-03+02:00",
            "users": 1
        },
        {
            "date": "2019-10-04+02:00",
            "users": 2
        },
        {
            "date": "2019-10-07+02:00",
            "users": 1
        }
    ]
}
```

5.15 Search

Search enables metadata and entity content search.

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

5.15.1 Entities search

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

Request

GET archives/{archiveld}/search.json

Search is provided on the entire archive.

and

GET archives/{archiveld}/entities/{id}/search.json

and

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

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

Request header

Authorization: Bearer [session token]

Request parameters

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

expr	String	Search query.
filter	String	<p>The filter defines the scope of the entity information (optional). If the “fields” parameter has been sent, this parameter does not apply.</p> <p>The set of values:</p> <ul style="list-style-type: none"> - all: All public information and links to the entities - links: Links to the entities - props: Public information on entity properties - templates: Templates for child entities creation.
page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than search is performed again; otherwise it is performed only first time. Parameter is taken into the account when page_start in page_size parameters are present (optional).
sort	String	<p>The sort key of the collection (optional).</p> <p>The set of values:</p> <ul style="list-style-type: none"> - sys:Title: The title of the entity. - sys:ClassificationCode: The classification code (default value). - sys:Creator: The author of the entity. - sys:Owner: The owner of the entity. - sys:Opened: Date and time of the entity open. - sys:SecurityClass: The security class of the entity. - sys>Status: The status of the entity. - sys:Significance: The significance of the entity. - metadata identifier.
sort_order	String	<p>The sort order of the collection (optional). Valid only if the “sort” parameter exists.</p> <p>The set of values:</p> <ul style="list-style-type: none"> - asc: Ascending (default value). - desc: Descending.

category_properties	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).
max_elements	Integer	Maximum number of search elements (optional).
fields	String	Defines the fields in the reply. <i>Example:</i> search (size, truncated, categories, page_size, page_start, results (id, title, modified, child_count, closed, permanent, classification_code, description, effective_rights, parent_id, public_classification_code, type, objects, has_draft)).

Response

See chapter [SearchResponse](#)

Response status

200 – Entities search performed successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entities full text search when search query is “Android”

Request

GET <https://apps.imis.eu/scsvc/archives/IARC/search.json?expr={android}>

Request header

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

Response

```
{
  "search" : {
    "results" : [
      {
        "classification_code" : "C=147^D=00001",
        "id" : "Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E",
        "links" : [
          {
            "type" : "entity",
            "uri" :
              "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E.json"
            },
            {
              "type" : "entity:stub",
              "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:Z0EaLq4iZjhP8nitB3V5MnwA4BdDAoMLNkpYLyNLV9E/stub.json"
            }
          ],
          "objects" : [
            {
              "description" : "Email - body"
            },
            {
              "description" : "Email - raw"
            }
          ],
          "public_classification_code" : "147/00001",
          "title" : "Imaging Systems Daily Summary for July 27th",
          "type" : "DOCUMENT"
        },
        {
          "classification_code" : "C=147^D=00056",
          "id" : "EgF0_TREPI6zZtCDPzYlkD3FsK-Egg_HMOoc__HIsK8",
          "links" : [
            {
              "type" : "entity",
              "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:EgF0\_TREPI6zZtCDPzYlkD3FsK-Egg\_HMOoc\_\_HIsK8.json"
            },
            {
              "type" : "entity:stub",
              "uri" :
                "https://apps.imis.eu/scsvc/archives/IARC98/entities/I:EgF0\_TREPI6zZtCDPzYlkD3FsK-Egg\_HMOoc\_\_HIsK8/stub.json"
            }
          ],
          "objects" : [
            {
              "description" : "Email - body"
            },
            {
              "description" : "Email - raw"
            }
          ],
          "public_classification_code" : "147/00056",
          "title" : "View (and edit, and share) your files on the go",
          "type" : "DOCUMENT"
        }
      ]
    }
  }
}
```

5.16 Disposition hold

With a disposition hold the user specifies which entities will not be a part of the review process.

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

5.16.1 Entities disposition holds read

Operation reads entities disposition holds.

Request

GET archives/{archiveId}/disposition_holds.json

Request header

Authorization: Bearer [session token]

Response

See chapter [DispositionHoldsResponse](#)

Response status

200 – Entities disposition holds read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entities disposition holds read

Request

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

Request header

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

Response

```
{
  "disposition_holds" : [
    {
      "accessed" : "2015-10-14T14:20:23.183+02:00",
      "created" : "2015-09-24T14:40:16.632+02:00",
      "modified" : "2015-10-14T14:20:23.184+02:00",
      "description" : "Description of hold for permanent entitites",
      "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhIeeGZY",
      "name" : "Permanent hold",
      "reason" : "Hold for permanent entitites",
      "creator" : {
        "id" : "johnsmith",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/johnsmith.json"
      }
    },
    {
      "accessed" : "2015-11-26T08:47:17.459+02:00",
      "created" : "2015-11-26T08:47:17.459+02:00",
      "modified" : "2015-11-26T08:47:17.459+02:00",
      "description" : "Description of time limited hold for entities",
      "id" : "pmn03Bze3jqedwBHlfOjIvMeZveMRzX5_T27QH8sQC4",
      "name" : "Time limited hold",
      "reason" : "Hold for entities",
      "creator" : {
        "id" : "ronsalazar",
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/ronsalazar.json"
      }
    }
  ]
}
```

5.16.2 Entity disposition hold read

Operation reads entity disposition hold.

Request

GET archives/{archiveld}/disposition_holds/{id}.json

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [DispositionHoldResponse](#)

Response status

200 – Entity disposition hold read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity disposition hold read

Request

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

DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhleeGZY.json

Request header

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

Response

```
{  
  "disposition_hold" : {  
    "accessed" : "2015-10-14T14:20:23.183+02:00",  
    "created" : "2015-09-24T14:40:16.632+02:00",  
    "modified" : "2015-10-14T14:20:23.184+02:00",  
    "description" : "Description of hold for permanent entitites",  
    "id" : "DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhleeGZY",  
    "name" : "Permanent hold",  
    "reason" : "Hold for permanent entitites",  
    "creator" : {  
      "id" : "marcowelch",  
      "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"  
    }  
  }  
}
```

5.16.3 Entity disposition hold audit log read

Operation reads entity disposition hold audit log.

Request

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

Request parameters

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

Request header

Authorization: Bearer [session token]

Response

See chapter [AuditLog](#)

Response status

200 – Entity disposition hold audit log read successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

Example of the entity disposition hold audit log read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/disposition_holds/  
DVAh3WDAb88J_kLWrGGkQ0cn5aadklPV7RfvhleeGZY/audit_log.json
```

Request header

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

Response

```
{  
  "events" : [  
    {  
      "time" : "2015-09-24T12:40:16Z",  
      "public_address" : "192.168.92.67",  
      "type" : "PROPERTY_VALUE_CHANGE",  
      "details" : "Changed properties: sys:Creator, sys:Title, sys:ret:hold:Reason",  
      "user" : {  
        "id" : "marcowelch",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"  
      }  
    }, {  
      "time" : "2015-09-24T12:40:16Z",  
      "public_address" : "192.168.92.67",  
      "type" : "ENTITY_SAVE",  
      "user" : {  
        "id" : "marcowelch",  
        "uri" : "https://apps.imis.eu/scsvc/archives/IARC98/directory/marcowelch.json"  
      }  
    }  
  ]  
}
```

5.17 References

References link multiple entities.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

5.17.1 References read

Operation reads entity references.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

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

and

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

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

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityReferencesResponse](#)

Response status

200 – Entity references read successfully.

401 – Invalid session.

500 - Server error.

Example of the entity references read

Request

GET

`https://apps.imis.eu/scsvc/archives/IARC/entities/074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o/references.json`

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{
  "references": [
    {
      "id": "6Y-n-5xVzgFVAseKjoYDfoUilZUK9StU",
      "title": "",
      "entities": [
        {
          "accessed": "2018-12-03T13:56:39.000Z",
          "aip": true,
          "child_classification_code_generated": true,
          "child_count": 6,
          "classification_code": "C=03",
          "created": "2018-11-13T12:27:00.000Z",
          "creator": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": ""
          },
          "description": "Supply planning and scheduling records",
          "draft": false,
          "effective_rights": {
            "create_references": true,
            "create_sub_entities": true,
            "change_retention": true,
            "change_rights": true,
            "change_security_class": true,
            "change_status": true,
            "delete_access": true,
            "move_access": true,
            "read_access": true,
            "write_access": true
          },
          "external_ids": [],
          "has_draft": false,
          "has_references": true,
          "has_versions": false,
          "id": "wm8DyC4mb9rzB6Dd5T6AZ6Lh4xEpXcVI",
          "keywords": [],
          "modified": "2018-12-03T13:05:11.000Z",
          "modified_by": {
            "id": "admin",
            "email": "admin@acme.com",
            "first_name": "",
            "icon_url": ""
          },
          "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar": {
            "last_name": "Administrator",
            "type": "USER"
          },
          "opened": "2018-11-23T07:19:06.000Z",
          "permanent": false,
          "properties": [],
          "public_classification_code": "03",
          "retention": {
            "policies": [
              {
                "id": "5CobtV-H1DNFXeph2W31GEafgazOvtfp",
                "name": "10 years",
                "description": "Dispose after 10 years retention",
                "explicit_context": {
                  "scope": "ALLOW",
                  "filter": {
                    "classes": true
                  }
                }
              }
            ]
          }
        }
      ]
    }
  ]
}
```

```
        "folders": true,
        "documents": true
    },
    "effective": true
},
"inherited_context": []
},
{
    "id": "6tYEePqNjXQcdXj1XqdO14IREiQxQfZJ",
    "name": "Permanent",
    "description": "Permanent retention",
    "explicit_context": {
        "scope": "ALLOW",
        "filter": {
            "classes": true,
            "folders": true,
            "documents": true
        },
        "effective": true
    },
    "inherited_context": []
}
],
"disposition_holds": [
    {
        "id": "7i4QHR5OcoMJzr8EglUp5wGr3TSO0ez",
        "name": "Legal procedure",
        "description": "Legal procedure in progress, material must be preserved until finished",
        "inherited": false
    }
]
},
"security_class": {
    "inherited": false
},
"significance": {
    "inherited": false
},
"status": {
    "inherited": true,
    "value": "Opened"
},
"sub_entity_templates": [
    {
        "id": "Class",
        "label": "Class",
        "entity_type": "CLASS"
    }
],
"template": {
    "id": "Class",
    "label": "Class",
    "entity_type": "CLASS"
},
"title": "Supply Chain management",
"type": "CLASS"
}
],
"effective_rights": {
    "create_references": true,
    "create_sub_entities": true,
    "change_retention": true,
    "change_rights": true,
    "change_security_class": true,
    "change_status": true,
    "delete_access": true,
    "move_access": true,
    "read_access": true,
    "write_access": true
},
"created": "2018-12-03T10:09:19.000Z",
"creator": {
    "id": "kclay",
```

```
        "email": "keira.clay@acme.com",
        "first_name": "Keira",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
        "last_name": "Clay",
        "type": "USER"
    }
]
}
```

5.17.2 Reference read

Operation reads entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveld}/entities/{id}/references/{referenceld}.json

and

GET archives/{archiveld}/entities/{entityIdKind}:{id}/references/{referenceld}.json

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

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityReferenceResponse](#)

Response status

200 – Entity reference read successfully.

401 – Invalid session.

500 - Server error.

Example of the entity reference read

Request

GET

<https://apps.imis.eu/scsvc/archives/IARC/entities/074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o/references/6Y-n-5xVzgFVAseKjoYDfoUiIZUK9StU.json>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{  
    "reference": {  
        "id": "6Y-n-5xVzgFVAseKjoYDfoUilZUK9StU",  
        "title": "",  
        "entities": [{  
            "accessed": "2018-12-03T13:56:39.000Z",  
            "aip": true,  
            "child_classification_code_generated": true,  
            "child_count": 6,  
            "classification_code": "C=03",  
            "created": "2018-11-13T12:27:00.000Z",  
            "creator": {  
                "id": "admin",  
                "email": "admin@acme.com",  
                "first_name": "",  
                "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
                "last_name": "Administrator",  
                "type": "USER"  
            },  
            "description": "Supply planning and scheduling records",  
            "draft": false,  
            "effective_rights": {  
                "create_references": true,  
                "create_sub_entities": true,  
                "change_retention": true,  
                "change_rights": true,  
                "change_security_class": true,  
                "change_status": true,  
                "delete_access": true,  
                "move_access": true,  
                "read_access": true,  
                "write_access": true  
            },  
            "external_ids": [],  
            "has_draft": false,  
            "has_references": true,  
            "has_versions": false,  
            "id": "wm8DyC4mb9rzB6Dd5T6AZ6Lh4xEpXcVI",  
            "keywords": [],  
            "modified": "2018-12-03T13:05:11.000Z",  
            "modified_by": {  
                "id": "admin",  
                "email": "admin@acme.com",  
                "first_name": "",  
                "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
                "last_name": "Administrator",  
                "type": "USER"  
            },  
            "opened": "2018-11-23T07:19:06.000Z",  
            "permanent": false,  
            "properties": [],  
            "public_classification_code": "03",  
            "retention": {  
                "policies": [{  
                    "id": "5CobtV-H1DNFXeph2W3lGEafgazOvtfp",  
                    "name": "10 years",  
                    "description": "Dispose after 10 years retention",  
                    "explicit_context": {  
                        "scope": "ALLOW",  
                        "filter": {  
                            "classes": true,  
                            "folders": true,  
                            "files": true  
                        }  
                    }  
                }  
            }  
        }  
    }  
}
```

```
        "documents": true
    },
    "effective": true
},
"inherited_context": []
},
{
"id": "6tYEePqNjXQcdXj1Xqd014IREiQxQfZJ",
"name": "Permanent",
"description": "Permanent retention",
"explicit_context": {
    "scope": "ALLOW",
    "filter": {
        "classes": true,
        "folders": true,
        "documents": true
    },
    "effective": true
},
"inherited_context": []
}
],
"disposition_holds": [
{
"id": "7i4QHR5OcoMJzyr8EglUp5wGr3TS00ez",
"name": "Legal procedure",
"description": "Legal procedure in progress, material must be preserved until finished",
"inherited": false
}
]
},
"security_class": {
    "inherited": false
},
"significance": {
    "inherited": false
},
"status": {
    "inherited": true,
    "value": "Opened"
},
"sub_entity_templates": [
{
    "id": "Class",
    "label": "Class",
    "entity_type": "CLASS"
}
],
"template": {
    "id": "Class",
    "label": "Class",
    "entity_type": "CLASS"
},
"title": "Supply Chain management",
"type": "CLASS"
}
],
"effective_rights": {
    "create_references": true,
    "create_sub_entities": true,
    "change_retention": true,
    "change_rights": true,
    "change_security_class": true,
    "change_status": true,
    "delete_access": true,
    "move_access": true,
    "read_access": true,
    "write_access": true
},
"created": "2018-12-03T10:09:19.000Z",
"creator": {
    "id": "kclay",
    "email": "keira.clay@acme.com",
}
```

```
        "first_name": "Keira",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
        "last_name": "Clay",
        "type": "USER"
    }
}
```

5.17.3 Reference create

Operation creates a reference on a specific entity.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveld}/entities/{id}/references.json

and

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

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

Request header

Authorization: Bearer [session token]

Request

See chapter [EntityReferenceCreateRequest](#)

Response

See chapter [EntityReferenceResponse](#)

Response status

200 – Entity reference created successfully.

401 – Invalid session.

500 - Server error.

Example of the entity reference create

Request

POST

<https://apps.imis.eu/scsvc/archives/IARC/entities/wBOgix4oXioYPLbeBtBn65v21ViU4p5/references.json>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Content-Type: application/json

Request content

```
{  
    "entries": [  
        {"value": "OmCfj7KRpySLVoruVpyAzyStUhRQTusZ"}  
    ]  
}
```

Response

```
{  
    "reference": {  
        "id": "0Qw3M94iEzVgMlkrmj-LL631fFUS1vAY",  
        "title": "",  
        "entities": [  
            {"accessed": "2018-12-04T08:01:08.000Z",  
             "aip": true,  
             "child_classification_code_generated": true,  
             "child_count": 2,  
             "classification_code": "C=02^C=01",  
             "created": "2018-11-13T12:26:59.000Z",  
             "creator": {  
                 "id": "admin",  
                 "email": "admin@acme.com",  
                 "first_name": "",  
                 "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
                 "last_name": "Administrator",  
                 "type": "USER"  
             },  
             "draft": false,  
             "effective_rights": {  
                 "create_references": true,  
                 "create_sub_entities": true,  
                 "change_retention": true,  
                 "change_rights": true,  
                 "change_security_class": true,  
                 "change_status": true,  
                 "delete_access": true,  
                 "move_access": true,  
                 "read_access": true,  
                 "write_access": true  
             },  
             "external_ids": [],  
             "has_draft": false,  
             "has_references": true,  
             "has_versions": false,  
             "label": "Entity Reference",  
             "modified": "2018-11-13T12:26:59.000Z",  
             "name": "Entity Reference",  
             "parent": null,  
             "path": "/entities/wBOgix4oXioYPLbeBtBn65v21ViU4p5/references",  
             "status": "Active",  
             "type": "Entity Reference",  
             "version": 1  
         }  
     ]  
}
```

```
"id": "0mCfj7KRpySLVoruVpyAzyStUhRQTuSz",
"keywords": [],
"modified": "2018-11-13T12:26:59.000Z",
"modified_by": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
"opened": "2018-11-13T12:26:59.000Z",
"parent_id": "074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o",
"permanent": false,
"properties": [],
"public_classification_code": "02.01",
"retention": {
    "policies": [
        {
            "id": "5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR",
            "name": "10 years + National Archives",
            "description": "Transfer to National Archives for permanent archival",
            "inherited_context": [
                {
                    "scope": "ALLOW",
                    "filter": {
                        "classes": true,
                        "folders": true,
                        "documents": true
                    },
                    "effective": true
                }
            ]
        }
    ],
    "disposition_holds": []
},
"security_class": {
    "inherited": true,
    "value": "Confidential"
},
"significance": {
    "inherited": true
},
"status": {
    "inherited": true,
    "value": "Opened"
},
"sub_entity_templates": [
    {
        "id": "Class",
        "label": "Class",
        "entity_type": "CLASS"
    }
],
"template": {
    "id": "Class",
    "label": "Class",
    "entity_type": "CLASS"
},
"title": "Accounts Payable",
"type": "CLASS"
},
"effective_rights": {
    "create_references": true,
    "create_sub_entities": true,
    "change_retention": true,
    "change_rights": true,
    "change_security_class": true,
    "change_status": true,
    "delete_access": true,
    "move_access": true,
    "read_access": true,
    "update_access": true
}
```

```
        "write_access": true
    },
    "created": "2018-12-04T12:15:30.000Z",
    "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
}
```

5.17.4 Reference change

Operation changes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

PUT archives/{archiveld}/entities/{id}/references/{referenceld}.json

PUT archives/{archiveld}/entities/{entityIdKind}:{id}/references/{referenceld}.json

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

Request header

Authorization: Bearer [session token]

Request

See chapter [EntityReferenceCreateRequest](#)

Response

See chapter [EntityReferenceResponse](#)

Response status

200 – Entity reference updated successfully.

401 – Invalid session.

500 - Server error.

Example of the entity reference update

Request

POST

<https://apps.imis.eu/scsvc/archives/IARC/entities/0mCfj7KRpySLVoruVpyAzyStUhRQTuSZ/references/OQw3M94iEzVgMlkrmj-LL63lfFUSlvAY.json>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Content-Type: application/json

Request content

```
{  
    "title": "Reference title",  
    "description": "reference description",  
    "entries": [  
        {"value": "wBOgix4oXioYPLbeBtBn65v21lViU4p5"}  
    ]  
}
```

Response

```
{  
    "reference": {  
        "id": "0Qw3M94iEzVgMlkrmj-LL63lfFUSlvAY",  
        "title": "Reference title",  
        "description": "reference description",  
        "entities": [  
            {  
                "accessed": "2018-11-30T11:01:52.000Z",  
                "aip": true,  
                "child_classification_code_generated": true,  
                "child_count": 2,  
                "classification_code": "C=02^C=05",  
                "created": "2018-11-13T12:27:00.000Z",  
                "creator": {  
                    "id": "admin",  
                    "email": "admin@acme.com",  
                    "first_name": "",  
                    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
                    "last_name": "Administrator",  
                    "type": "USER"  
                },  
                "draft": false,  
                "effective_rights": {  
                    "create_references": true,  
                    "create_sub_entities": true,  
                    "change_retention": true,  
                    "change_rights": true,  
                    "change_security_class": true,  
                    "change_status": true,  
                    "delete_access": true,  
                    "move_access": true,  
                    "read_access": true,  
                    "write_access": true  
                },  
                "external_ids": [],  
                "has_draft": false,  
                "has_references": true  
            }  
        ]  
    }  
}
```

```
"has_versions": false,
"id": "wB0gix4oXioYPLbeBtBn65v211ViU4p5",
"keywords": [],
"modified": "2018-11-13T12:27:00.000Z",
"modified_by": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
"opened": "2018-11-13T12:27:00.000Z",
"parent_id": "074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o",
"permanent": false,
"properties": [],
"public_classification_code": "02.05",
"retention": [
    "policies": [
        {
            "id": "5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR",
            "name": "10 years + National Archives",
            "description": "Transfer to National Archives for permanent archival",
            "inherited_context": [
                {
                    "scope": "ALLOW",
                    "filter": {
                        "classes": true,
                        "folders": true,
                        "documents": true
                    },
                    "effective": true
                }
            ]
        }
    ],
    "disposition_holds": []
},
"security_class": {
    "inherited": true,
    "value": "Confidential"
},
"significance": {
    "inherited": true
},
"status": {
    "inherited": true,
    "value": "Opened"
},
"sub_entity_templates": [
    {
        "id": "Class",
        "label": "Class",
        "entity_type": "CLASS"
    }
],
"template": {
    "id": "Class",
    "label": "Class",
    "entity_type": "CLASS"
},
"title": "Payments",
"type": "CLASS"
},
"effective_rights": {
    "create_references": true,
    "create_sub_entities": true,
    "change_retention": true,
    "change_rights": true,
    "change_security_class": true,
    "change_status": true,
    "delete_access": true,
    "move_access": true
}
```

```
        "read_access": true,
        "write_access": true
    },
    "created": "2018-12-04T12:15:30.000Z",
    "creator": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
}
```

5.17.5 Reference delete

Operation deletes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

DELETE archives/{archiveld}/entities/{id}/references/{referenceld}.json

and

DELETE archives/{archiveld}/entities/{entityIdKind}:{id}/references/{referenceld}.json

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

Request header

Authorization: Bearer [session token]

Response status

200 – Entity reference deleted successfully.

401 – Invalid session.

500 - Server error.

Example of the entity reference delete

Request

DELETE

<https://apps.imis.eu/scsvc/archives/IARC/entities/0mCfj7KRpySLVoruVpyAzyStUhRQTuSZ/references/OQw3M94iEzVgMlkrmj-LL63IfFUSIvAY.json>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response status

200 – Entity reference deleted successfully.

5.18 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.

5.18.1 Version read

Operation reads entity versions.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveld}/entities/{id}/versions.json

and

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

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

Request parameters

fields	String	Defines the fields in the reply. <i>Example:</i> versions (id, title, modified, modified_by ,effective_rights, classification_code, public_classification_code,closed, permanent, type, has_draft, parent_id, check_in_comment, version, version_label).
--------	--------	--

Request header

Authorization: Bearer [session token]

Response

See chapter [VersionsResponse](#)

Response status

200 – Entity versions read successfully.

401 – Invalid session.

500 - Server error.

Example of the entity version read

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYalvI_u_Dm2lYlwBDVKaDSw/versions.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{  
    "versions": [{"  
        "accessed": "2018-12-04T12:33:26.000Z",  
        "aip": true,  
        "categories": [],  
        "check_in_comment": null,  
        "child_classification_code_generated": null,  
        "child_count": 0,  
        "classification_code": "C=04^C=04^F=2018-000003^D=000002",  
        "closed": null,  
        "created": "2018-11-29T10:56:37.000Z",  
        "creator": {  
            "id": "admin",  
            "uri": null,  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "description": null,  
        "draft": false,  
        "draft_creator": null,  
        "draft_id": null,  
        "effective_rights": {  
            "create_references": true,  
            "read": true,  
            "update": true  
        }  
    }]  
}
```

```
"create_sub_entities": true,
"change_retention": true,
"change_rights": true,
"change_security_class": true,
"change_status": true,
"delete_access": true,
"move_access": true,
"read_access": true,
"write_access": true
},
"external_ids": [],
"has_draft": false,
"has_references": false,
"has_versions": true,
"id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
"keywords": [],
"links": null,
"modified": "2018-12-04T11:14:13.000Z",
"modified_by": {
  "id": "admin",
  "uri": null,
  "email": "admin@acme.com",
  "first_name": "",
  "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
  "last_name": "Administrator",
  "type": "USER"
},
"opened": null,
"owner": null,
"parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
"permanent": false,
"properties": [],
"public_classification_code": "04.04-2018-000003/000002",
"retention": null,
"security_class": {
  "inherited": true,
  "value": "Confidential"
},
"significance": {
  "inherited": true,
  "value": null
},
"status": null,
"sub_entity_templates": [],
"template": {
  "id": "FiledDocument",
  "uri": null,
  "label": "Filed document",
  "entity_type": "DOCUMENT"
},
"title": "Doc 02",
"type": "DOCUMENT",
"version": 4,
"version_label": "2.2"
},
{
  "accessed": "2018-12-04T11:11:39.000Z",
  "aip": true,
  "categories": [],
  "check_in_comment": null,
  "child_classification_code_generated": null,
  "child_count": 0,
  "classification_code": "C=04^C=04^F=2018-000003^D=000002",
  "closed": null,
  "created": "2018-11-29T10:56:37.000Z",
  "creator": {
    "id": "admin",
    "uri": null,
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator"
  }
}
```

```
"type": "USER",
},
"description": null,
"draft": false,
"draft_creator": null,
"draft_id": null,
"effective_rights": {
    "create_references": true,
    "create_sub_entities": true,
    "change_retention": true,
    "change_rights": true,
    "change_security_class": true,
    "change_status": true,
    "delete_access": true,
    "move_access": true,
    "read_access": true,
    "write_access": true
},
"external_ids": [],
"has_draft": false,
"has_references": false,
"has_versions": true,
"id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
"keywords": [],
"links": null,
"modified": "2018-12-04T11:03:16.000Z",
"modified_by": {
    "id": "admin",
    "uri": null,
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
"opened": null,
"owner": null,
"parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
"permanent": false,
"properties": [],
"public_classification_code": "04.04-2018-000003/000002",
"retention": null,
"security_class": {
    "inherited": true,
    "value": "Confidential"
},
"significance": {
    "inherited": true,
    "value": null
},
"status": null,
"sub_entity_templates": [],
"template": {
    "id": "FiledDocument",
    "uri": null,
    "label": "Filed document",
    "entity_type": "DOCUMENT"
},
"title": "Doc 02",
"type": "DOCUMENT",
"version": 3,
"version_label": "2.1"
}, {
    "accessed": "2018-12-04T11:03:13.000Z",
    "aip": true,
    "categories": [],
    "check_in_comment": null,
    "child_classification_code_generated": null,
    "child_count": 0,
    "classification_code": "C=04^C=04^F=2018-000003^D=000002",
    "closed": null,
```

```
"created": "2018-11-29T10:56:37.000Z",
"creator": {
    "id": "admin",
    "uri": null,
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
"description": null,
"draft": false,
"draft_creator": null,
"draft_id": null,
"effective_rights": {
    "create_references": true,
    "create_sub_entities": true,
    "change_retention": true,
    "change_rights": true,
    "change_security_class": true,
    "change_status": true,
    "delete_access": true,
    "move_access": true,
    "read_access": true,
    "write_access": true
},
"external_ids": [],
"has_draft": false,
"has_references": false,
"has_versions": true,
"id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
"keywords": [],
"links": null,
"modified": "2018-12-04T11:02:59.000Z",
"modified_by": {
    "id": "admin",
    "uri": null,
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
"opened": null,
"owner": null,
"parent_id": "0Q2gCohiZi5afOxHHaGrx2zkMDXRmiUV",
"permanent": false,
"properties": [],
"public_classification_code": "04.04-2018-000003/000002",
"retention": null,
"security_class": {
    "inherited": true,
    "value": "Confidential"
},
"significance": {
    "inherited": true,
    "value": null
},
"status": null,
"sub_entity_templates": [],
"template": {
    "id": "FiledDocument",
    "uri": null,
    "label": "Filed document",
    "entity_type": "DOCUMENT"
},
"title": "Doc 02",
"type": "DOCUMENT",
"version": 2,
"version_label": "2"
}, {
```

```
"accessed": "2018-12-04T11:02:56.000Z",
    "aip": true,
    "categories": [],
    "check_in_comment": null,
    "child_classification_code_generated": null,
    "child_count": 0,
    "classification_code": "C=04^C=04^F=2018-000003^D=000002",
    "closed": null,
    "created": "2018-11-29T10:56:37.000Z",
    "creator": {
        "id": "admin",
        "uri": null,
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    },
    "description": null,
    "draft": false,
    "draft_creator": null,
    "draft_id": null,
    "effective_rights": {
        "create_references": true,
        "create_sub_entities": true,
        "change_retention": true,
        "change_rights": true,
        "change_security_class": true,
        "change_status": true,
        "delete_access": true,
        "move_access": true,
        "read_access": true,
        "write_access": true
    },
    "external_ids": [],
    "has_draft": false,
    "has_references": false,
    "has_versions": true,
    "id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
    "keywords": [],
    "links": null,
    "modified": "2018-11-29T10:56:37.000Z",
    "modified_by": {
        "id": "admin",
        "uri": null,
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    },
    "opened": null,
    "owner": null,
    "parent_id": "0Q2gCohiZi5af0xHHaGrx2zkMDXRmiUV",
    "permanent": false,
    "properties": [],
    "public_classification_code": "04.04-2018-000003/000002",
    "retention": null,
    "security_class": {
        "inherited": true,
        "value": "Confidential"
    },
    "significance": {
        "inherited": true,
        "value": null
    },
    "status": null,
    "sub_entity_templates": [],
    "template": {
        "id": "FiledDocument",
        "uri": null
    }
}
```

```

        "label": "Filed document",
        "entity_type": "DOCUMENT"
    },
    "title": "Doc 02",
    "type": "DOCUMENT",
    "version": 1,
    "version_label": "1"
}
]
}

```

5.18.2 Drafts read

Operation read drafts.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveld}/drafts.json

Request header

Authorization: Bearer [session token]

Request parameters

If no filter has been set, the basic draft information is *id*, *title*, *description*, *type*, *classification_code*, *public_classification_code*, *status*, and the links of the *entity* and *entity:stub* type.

filter	String	Filter defines the scope of the entity information (optional). If the “fields” parameter has been sent, this parameter does not apply. The set of values: <ul style="list-style-type: none">- all: All public information and links to the draft.- links: Links to the draft.- props: Public information on draft properties.
page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when page_start in page_size parameters are present.

sort	String	The sort key of the collection (optional). The set of values: <ul style="list-style-type: none">- sys>Title: The title of the draft.- sys:Creator: The creator of the draft.- sys:Owner: The owner of the draft.- Unique identifier of the property.
sort_order	String	The sort order of the collection (optional). Valid only if the »sort« parameter exists. The set of values: <ul style="list-style-type: none">- asc: Ascending (default value).- desc: Descending.
category_properties	String	The property used to request the categorization of the draft 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).
fields	String	Defines the fields in the reply. <i>Example:</i> size, categories, page_size, page_start, entities (id, title, modified, source_id, description, effective_rights, parent_id, type, has_draft).

Response

See chapter [EntitiesResponse](#)

Response status

200 – Entity drafts read successfully.

401 – Invalid session.

500 - Server error.

Example of the entity drafts read

Request

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

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{  
    "size": 3,  
    "entities": [  
        {"id": "EmVprsxfM4_xYkThXI8ojTfpY9kRZZNM",  
        "title": "Supervisor act",  
        "type": "DOCUMENT"},  
        {"description": "2018 documents",  
        "id": "HAP2mq250Tqde0jDPht7026_5UvMkz-",  
        "title": "ISO document 6500",  
        "type": "DOCUMENT"},  
        {"id": "8PWiq53FDiysa-QgQ6nmWRxkYMPtACI3",  
        "title": "Great document",  
        "type": "DOCUMENT"}],  
    "categories": []}
```

5.18.3 Draft public information read

Operation reads draft public information.

Request

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

Request header

Authorization: Bearer [session token]

Response

See chapter [DraftStubResponse](#)

Example of the draft public information read

Zahtevek

GET <https://apps.imis.eu/scsvc/archives/IARC/drafts/7AulpwC-E9FNjSHJo6Ew7zjC6gr2ACc/stub.json>

Request header

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

Response

```
{  
    "draft_stub": {  
        "accessed": "2019-05-06T12:12:26.922Z",  
        "created": "2019-04-30T13:14:21.625Z",  
        "description": "opis dokumenta",  
        "modified": "2019-05-06T12:12:30.857Z",  
        "modified_by": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "title": "Dokument 621",  
        "id": "7AuIpwC-E9FNjs-HJo6Ew7zjC6gr2ACc",  
        "properties": [  
            {  
                "id": "attr:stringmax",  
                "label": "stringmax",  
                "description": "",  
                "type": "STRINGMAX",  
                "options": {  
                    "append_only": false,  
                    "included_in_aip": false,  
                    "inherited": false,  
                    "multi_value": false,  
                    "non_empty": false,  
                    "pick_list": false,  
                    "public": true,  
                    "read_only": false,  
                    "read_only_after_check_in": false,  
                    "read_only_after_create": false,  
                    "required": false,  
                    "searchable": false,  
                    "unique": false,  
                    "versionable": false  
                },  
                "values": [],  
                "inherited": false  
            }  
        ],  
        "keywords": [  
            "new"  
        ],  
        "effective_rights": {  
            "create_references": true,  
            "create_sub_entities": true,  
            "change_retention": true,  
            "change_rights": true,  
            "change_security_class": true,  
            "change_status": true,  
            "delete_access": true,  
            "move_access": true,  
            "read_access": true,  
            "write_access": true  
        },  
        "creator": {  
            "id": "jturner",  
            "email": "jerry.turner@acme.com",  
            "first_name": "Jerry",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/jturner/avatar",  
            "last_name": "Turner",  
            "type": "USER"  
        },  
        "owner": {  
            "id": "jturner",  
            "email": "jerry.turner@acme.com",  
            "first_name": "Jerry",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/jturner/avatar",  
            "last_name": "Turner",  
            "type": "USER"  
        }  
    }  
}
```

```

    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/jturner/avatar",
    "last_name": "Turner",
    "type": "USER"
  },
  "template": {
    "id": "Document",
    "label": "Document",
    "entity_type": "DOCUMENT"
  },
  "categories": [
    "cat"
  ],
  "type": "DOCUMENT",
  "source_id": "J1yC3xc-neNW2o44OD1pRWHpjkqhbEZQ"
}
}

```

5.18.4 Check out draft

Operation creates draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveld}/entities/{id}/check_out.json

and

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

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

Request parameters

version	Integer	Entity version (optional).
reason	String	The reason to check out draft.

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityStubResponse](#)

Response status

200 – Entity draft created successfully.

401 – Invalid session.

500 - Server error.

Example of the entity draft check out

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYalvI_u_Dm2lYlwBDVKaDSw/check_out.json

Request header

Authorization: Bearer 7t0HfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Content-Type: application/json

Response

```
{  
    "entity_stub": {  
        "accessed": "2018-12-04T12:42:16.000Z",  
        "aip": false,  
        "categories": [],  
        "child_count": 0,  
        "created": "2018-12-04T12:42:16.000Z",  
        "creator": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "draft": true,  
        "effective_rights": {  
            "create_references": true,  
            "create_sub_entities": true,  
            "change_retention": true,  
            "change_rights": true,  
            "change_security_class": true,  
            "change_status": true,  
            "delete_access": true,  
            "move_access": true,  
            "read_access": true,  
            "write_access": true  
        },  
        "external_ids": [],  
        "has_draft": false,  
        "has_references": false,  
        "has_versions": false,  
        "id": "0AcjeLqDCyQDkT4BLpZK1ItDkYRVoCI",  
        "keywords": [],  
        "modified": "2018-12-04T12:42:16.000Z",  
        "modified_by": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": ""  
        }  
    }  
}
```

```

    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  },
  "owner": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  },
  "parent_id": "CH1FvxGCtDeOoZo870XnQiXLr770QMch",
  "permanent": false,
  "properties": [],
  "security_class": {
    "inherited": true
  },
  "sub_entity_templates": [],
  "template": {
    "id": "FiledDocument",
    "label": "Filed document",
    "entity_type": "DOCUMENT"
  },
  "title": "Doc 02",
  "type": "DOCUMENT"
}
}

```

5.18.5 Check in draft

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

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/drafts/{id}/check_in.json

Request parameters

reason	String	The reason to check in draft.
--------	--------	-------------------------------

Request header

Authorization: Bearer [session token]

Request content

See chapter [EntityCheckInRequest](#)

Response

See chapter [EntityStubResponse](#)

Response status

200 – Entity draft checked-in successfully.
401 – Invalid session.
500 - Server error.

Example of the entity draft check in

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/drafts/0AcjeLqDLCyQDkT4BLpZKltDkYRVoCl/check_in.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Content-Type: application/json

Request header

```
{  
  "check_in": {  
    "position": 1  
  }  
}
```

Response

```
{  
  "entity_stub": {  
    "aip": true,  
    "categories": [],  
    "child_count": 0,  
    "classification_code": "C=04^C=04^F=2018-000003^D=000002",  
    "created": "2018-11-29T10:56:37.000Z",  
    "creator": {  
      "id": "admin",  
      "email": "admin@acme.com",  
      "first_name": "",  
      "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
      "last_name": "Administrator",  
      "type": "USER"  
    },  
    "draft": false,  
    "effective_rights": {  
      "create_references": true,  
      "create_sub_entities": true,  
      "change_retention": true,  
      "read": true  
    }  
  }  
}
```

```
"change_rights": true,
"change_security_class": true,
"change_status": true,
"delete_access": true,
"move_access": true,
"read_access": true,
"write_access": true
},
"external_ids": [],
"has_draft": false,
"has_references": false,
"has_versions": true,
"id": "aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw",
"keywords": [],
"modified": "2018-12-04T12:45:16.000Z",
"modified_by": {
  "id": "admin",
  "email": "admin@acme.com",
  "first_name": "",
  "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
  "last_name": "Administrator",
  "type": "USER"
},
"parent_id": "0Q2gCohizi5afOxHHaGrx2zkMDXRmiUV",
"permanent": false,
"properties": [],
"public_classification_code": "04.04-2018-000003/000002",
"security_class": {
  "inherited": true,
  "value": "Confidential"
},
"significance": {
  "inherited": true
},
"sub_entity_templates": [],
"template": {
  "id": "FiledDocument",
  "label": "Filed document",
  "entity_type": "DOCUMENT"
},
"title": "Doc 02",
"type": "DOCUMENT",
"version": 5,
"version_label": "2.3"
}
}
```

5.18.6 Discard draft

Operation discards a draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

POST archives/{archiveId}/drafts/{id}/discard.json

Request parameters

reason	String	The reason to discard draft.
--------	--------	------------------------------

Request header

Authorization: Bearer [session token]

Response status

200 – Entity draft discarded successfully.

401 – Invalid session.

500 - Server error.

Example of the entity draft discard

Request

```
POST https://apps.imis.eu/scsvc/archives/IARC/drafts/12TZhZh0-R3BsplLxcHEDOVdIL-s579B/discard.json
```

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Content-Type: application/json

Response status

200 – Entity draft discarded successfully.

5.18.7 Draft open for reading

The operation opens a draft for reading and returns a unique identifier of the open draft, which carries out different operations (where the value of *idType* can equal H).

Request

GET archives/{archiveld}/drafts/{id}/open.json

Request parameters

reason	String	The reason to open draft for reading.
--------	--------	---------------------------------------

Request header

Authorization: Bearer [session token]

Response status

200 – Entity draft opened successfully.

401 – Invalid session.

500 - Server error.

5.18.8 Draft open for editing

The operation opens a draft for editing and returns a unique identifier of the open draft, which carries out different operations (where the value of *idType* can equal H).

Request

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

Request parameters

reason	String	The reason to open draft for editing.
--------	--------	---------------------------------------

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityOpenResponse](#)

Response status

200 – Entity draft opened successfully.

401 – Invalid session.

500 - Server error.

5.18.9 Draft close

The operation closes an open 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

GET archives/{archiveld}/drafts/{id}/close.json

Request header

Authorization: Bearer [session token]

Response status

200 – Open entity draft closed successfully.

401 – Invalid session.

404 – Object does not exist.

500 - Server error.

5.18.10 Draft read

Operation reads a draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

Request

GET archives/{archiveld}/drafts/{id}.json

and

GET archives/{archiveld}/drafts/{idType}:{id}.json

The set of IdType values: H, I.

Request parameters

flat	Boolean	Specifies whether the response shows child objects as a flat list. (optional; default value: false).
max_level	Integer	Specifies the level of child objects only if tree = true, default value = 0 (show all).
reason	String	The reason to open draft.
tree	Boolean	Specifies whether the response shows child objects as a tree structure (optional; default value: true).

Request header

Authorization: Bearer [session token]

Response

See chapter [DraftResponse](#)

Response status

200 –Entity draft read successfully.

401 – Invalid session.

500 - Server error.

5.18.11 Draft change

Operation changes an entity draft.

Request

PUT archives/{archiveld}/drafts/{id}.json

and

PUT archives/{archiveld}/drafts/{idType}:{id}.json

The set of IdType values: H, I.

Request header

Authorization: Bearer [session token]

Request parameters

flat	Boolean	Specifies whether the response shows child objects as a flat list. (optional; default value: false).
max_level	Integer	Specifies the level of child objects only if tree = true, default value = 0 (show all).
reason	String	The reason to open draft.
tree	Boolean	Specifies whether the response shows child objects as a tree structure (optional; default value: true).

Request content

See chapter [DraftUpdateRequest](#)

Response

See chapter [DraftResponse](#)

Response status

200 – Entity draft updated successfully.

400 – Bad request.

401 – Invalid session.

500 - Server error.

Example of the entity draft update

Request

PUT https://apps.imis.eu/scsvc/archives/IARC/drafts/H:WhTLFYw4wVjDPGng.json

Request header

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

Request content

```
{
  "draft_update": {
    "title": "Company documentation 1.1"
  }
}
```

Response

```
{  
    "draft": {  
        "accessed": "2019-05-06T07:21:50.097Z",  
        "created": "2019-04-30T13:14:21.625Z",  
        "description": "opis dokumenta",  
        "modified": "2019-05-06T12:12:30.857Z",  
        "modified_by": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "title": "Company documentation 1.1",  
        "id": "7AuIpwC-E9FNjs-HJo6Ew7zjC6gr2ACc",  
        "properties": [],  
        "keywords": [],  
        "effective_rights": {  
            "create_references": true,  
            "create_sub_entities": true,  
            "change_retention": true,  
            "change_rights": true,  
            "change_security_class": true,  
            "change_status": true,  
            "delete_access": true,  
            "move_access": true,  
            "read_access": true,  
            "write_access": true  
        },  
        "creator": {  
            "id": "jturner",  
            "email": "jerry.turner@acme.com",  
            "first_name": "Jerry",  
            "last_name": "Turner",  
            "type": "USER"  
        },  
        "owner": {  
            "id": "jturner",  
            "email": "jerry.turner@acme.com",  
            "first_name": "Jerry",  
            "last_name": "Turner",  
            "type": "USER"  
        },  
        "template": {  
            "id": "Document",  
            "label": "Document",  
            "entity_type": "DOCUMENT"  
        },  
        "categories": [],  
        "type": "DOCUMENT",  
        "source_id": "J1yC3xc-neNW2o44OD1pRWHpjkqhbEZQ",  
        "physical_properties": {},  
        "content_options": [  
            {  
                "read_only": false,  
                "read_only_after_create": false,  
                "read_only_after_check_in": false,  
                "public": false,  
                "versionable": true  
            }  
        ],  
        "objects": [  
            {  
                "id": "HULWPF83yi45P7hi5mq7cfwlWlllagdR",  
                "description": "Budget Tracking Template.xlsx",  
                "size": 81413,  
                "created": "2019-04-30T13:14:21.629Z",  
                "accessed": "2019-04-30T13:14:21.629Z",  
                "modified": "2019-04-30T13:14:21.629Z",  
                "modified_by": {  
                    "id": "jturner",  
                    "email": "jerry.turner@acme.com",  
                    "first_name": "Jerry",  
                    "last_name": "Turner",  
                    "type": "USER"  
                }  
            }  
        ]  
    }  
}
```

```
    "content_type": "application/vnd.openxmlformats-officedocument.spreadsheetml.sheet",
    "extension": ".xlsx",
    "child_count": 0,
    "signed": false,
    "indexed": false,
    "children": []
  }
]
```

5.18.12 Draft access rights read

Operation reads entity draft access rights.

Request

GET archives/{archiveld}/drafts/{id}/acl.json

and

GET archives/{archiveld}/drafts/{idType}:{id}/acl.json

The set of IdType values: H, I.

See chapter [Entity access right read](#)

5.18.13 Draft access rights read for each directory entity

Operation reads a draft access rights for each directory entity.

Request

GET archives/{archiveld}/drafts/{id}/access.json

See chapter [Entity access rights read for each directory entity](#)

5.18.14 Draft access rights create

Operation creates draft access rights.

Request

POST archives/{archiveld}/drafts/{id}/acl.json

and

POST archives/{archiveld}/drafts/{idType}:{id}/acl.json

The set of IdType values: H, I.

See chapter [Entity access rights create](#).

5.18.15 Draft access right change

Operation changes draft explicit access right.

Request

PUT archives/{archiveld}/drafts/{id}/acl/{entryId}.json

and

PUT archives/{archiveld}/drafts/{idType}:{id}/acl/{entryId}.json

The set of IdType values: H, I.

See chapter [Entity access right change](#)

5.18.16 Draft property access right change

Operation changes draft property explicit access right.

Request

PUT archives/{archiveld}/drafts/{id}/acl/{propertyName}/{entryId}.json

and

PUT archives/{archiveld}/drafts/{idType}:{id}/acl/{propertyName}/

{entryId}.json

The set of IdType values: H, I.

See chapter [Entity property access right change](#)

5.18.17 Draft access right delete

Operation deletes draft access right.

Request

DELETE archives/{archiveld}/drafts/{id}/acl/{entryId}.json

and

DELETE archives/{archiveld}/drafts/{idType}:{id}/acl/{entryId}.json

The set of IdType values: H, I.

See chapter [Entity access right delete](#)

5.18.18 Draft property access right delete

Operation deletes draft property access right.

Request

DELETE archives/{archiveld}/drafts/{id}/acl/{propertyName}/{entryId}.json

and

DELETE archives/{archiveld}/drafts/{idType}:{id}/acl/{propertyName}/{entryId}.json

The set of IdType values: H, I.

See chapter [Entity property access right delete](#).

5.19 Entity import / export

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

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

5.19.1 Export

Operation exports an entity.

Request

POST archives/{archiveld}/export.zip

and

POST archives/{archiveld}/entities/{id}/export.zip

and

POST archives/{archiveld}/entities/{entityIdKind}:{id}/export.zip

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

Request parameters

audit_log	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
classes	Boolean	Specifies whether the Class-type entities are exported (default value: true).
documents	Boolean	Specifies whether the Document-type entities are exported (default value: true).
evidence	Boolean	Specifies whether the entity authenticity and integrity proofs are exported (default value: true).
export_parents	Boolean	Specifies whether the parent entities are exported (default value: true).
folders	Boolean	Specifies whether the Folder-type entities are exported (default value: true).
recursive	Boolean	Specifies whether the child entities are exported (default value: true).

Request header

Authorization: Bearer [session token]

Request content (optional)

The dataset of additional metadata on export (XML).

Response

The dataset of exported entities.

ZIP file structure

ExportData/class_x.xml
ExportData/class_x_audit.xml
ExportData/class_x_evidence.xml
ExportData/folder_x.xml
ExportData/folder_x_audit.xml
ExportData/folder_x_evidence.xml
ExportData/document_x.xml
ExportData/document_x_audit.xml
ExportData/document_x_evidence.xml
ExportData/document_x_y.bin
ExportData/retention_and_disposition_x.xml
ExportData/retention_and_disposition_x_mandate_y.format
ExportReport.txt
ExportReport.xml

Response status

200 – Entities exported successfully.

401 – Invalid session.

500 - Server error.

Example of the entity export

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYalvI_u_Dm2lYlwBDVKaDSw/export.zip?classes=false&folders=false&documents=true&audit_log=false&recursive=false&export_parents=false&evidence=false

Request header

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

Response

The dataset of exported entities.

5.19.2 Import

Operation imports an entity.

Request

POST archives/{archiveld}/import.zip

and

POST archives/{archiveld}/entities/{id}/import.zip

and

POST archives/{archiveld}/entities/{entityIdKind}:{id}/import.zip

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

Request header

Authorization: Bearer [session token]

Content-Type: **application/zip or application/x-zip-compressed**

Request content

The set of entity data (ZIP file).

ZIP file structure

ExportData/class_x.xml

ExportData/class_x_audit.xml

ExportData/class_x_evidence.xml

ExportData/folder_x.xml

ExportData/folder_x_audit.xml

ExportData/folder_x_evidence.xml

ExportData/document_x.xml

ExportData/document_x_audit.xml

ExportData/document_x_evidence.xml

ExportData/document_x_y.bin
ExportData/retention_and_disposition_x.xml
ExportData/retention_and_disposition_x_mandate_y.format
ExportReport.txt
ExportReport.xml

Response

No response content.

Response status

200 – Entities exported successfully.

401 – Invalid session.

500 - Server error.

Example of the entity import

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/entities/aLZs6_zVuYalvI_u_Dm2lYlwBDVKaDSw/import.zip

Request header

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

Content-Type: application/zip

Response

No response content.

Response status

200 – Entities imported successfully.

5.19.3 Export log read

Operation reads the entities export logs.

Request

GET archives/{archiveld}/log/export.json

Request header

Authorization: Bearer [session token]

Request parameters

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

filter	String	Filter defines the scope of the entity information (optional). If the "fields" parameter has been sent, this parameter does not apply. The set of values: <ul style="list-style-type: none">- all: All public information and links to the entities.- links: Links to the entities.- props: Public information on entity properties.- templates: Templates for child entities creation.
page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when page_start in page_size parameters are present.

sort	String	<p>The sort key of the collection (optional).</p> <p>The set of values:</p> <ul style="list-style-type: none"> - sys>Title: The title of the entity. - sys:ClassificationCode: The classification code of the entity (default value). - sys:Creator: The creator of the entity. - sys:Owner: The owner of the entity. - sys:Opened: Date and time of the entity status change to Opened. - sys:SecurityClass: The security class of the entity. - sys>Status: The status of the entity. - sys:Significance: The significance of the entity. - unique identifier of the property.
sort_order	String	<p>The sort order of the collection (optional). Valid only if the »sort« parameter exists.</p> <p>The set of values:</p> <ul style="list-style-type: none"> - asc: Ascending (default value). - desc: Descending.
category_properties	String	<p>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.</p>
category	String	<p>The category of the entity collection. The value represents the category to which the entities belong (optional).</p>
fields	String	<p>Defines the fields in the reply.</p> <p><i>Example:</i></p> <p>entities (id, title, modified, classification_code, effective_rights, child_count, closed, permanent, public_classification_code, description, type, has_draft), page_size, page_start, size, categories.</p>

Response

See chapter [EntitiesResponse](#)

Response status

200 – Entities read successfully.

401 – Invalid session.

500 - Server error.

Example of the entities export log read

Request

GET <https://apps.imis.eu/scsvc/archives/IARC/log/export.json?pageStart=0&pageSize=2>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{
  "size": 51,
  "page_start": 0,
  "page_size": 2,
  "entities": [
    {
      "classification_code": "C=sys^C=Logs^C=Export^D=0000000001",
      "description": "Export started at 2018-11-14T10:08:04.455+01:00",
      "id": "fRv0-_vlybWEhbKUC1AYWXMxHVCltCxb",
      "public_classification_code": "sys.Logs.Export/0000000001",
      "status": {
        "inherited": false,
        "value": "Closed"
      },
      "title": "2018-11-14T10:08:04.455+01:00",
      "type": "DOCUMENT"
    },
    {
      "classification_code": "C=sys^C=Logs^C=Export^D=0000000002",
      "description": "Export started at 2018-11-14T10:52:08.918+01:00",
      "id": "ZdSOFQNCQRl-YnyR7QOV53aImXA_37x-",
      "public_classification_code": "sys.Logs.Export/0000000002",
      "status": {
        "inherited": false,
        "value": "Closed"
      },
      "title": "2018-11-14T10:52:08.918+01:00",
      "type": "DOCUMENT"
    }
  ],
  "categories": []
}
```

5.19.4 Import logs read

Operation reads the entities import logs.

Request

GET archives/{archiveId}/log/import.json

Request header

Authorization: Bearer [session token]

Request parameters

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

filter	String	Filter defines the scope of the entity information (optional). If the “fields” parameter has been sent, this parameter does not apply. The set of values: <ul style="list-style-type: none">- all: All public information and links to the entities.- links: Links to the entities.- props: Public information on entity properties.- templates: Templates for child entities creation.
page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when page_start in page_size parameters are present.
sort	String	The sort key of the collection (optional). The set of values: <ul style="list-style-type: none">- sys:Title: The title of the entity.- sys:ClassificationCode: The classification code of the entity (default value).- sys:Creator: The creator of the entity.- sys:Owner: The owner of the entity.- sys:Opened: Date and time of the entity status change to Opened.- sys:SecurityClass: The security class of the entity.- sys>Status: The status of the entity.- sys:Significance: The significance of the entity.- unique identifier of the property.
sort_order	String	The sort order of the collection (optional). Valid only if the “sort” parameter exists. The set of values: <ul style="list-style-type: none">- asc: Ascending (default value).- desc: Descending.
category_properties	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).
fields	String	<p>Defines the fields in the reply.</p> <p>Example:</p> <pre>entities (id, title, modified, classification_code, effective_rights, child_count, closed, permanent, public_classification_code, description, type, has_draft), page_size, page_start, size, categories.</pre>

Response

See chapter [EntitiesResponse](#)

Response status

200 – Entities read successfully.

401 – Invalid session.

500 - Server error.

Example of the entities import log read

Request

GET <https://apps.imis.eu/scsvc/archives/IARC/log/import.json?pageStart=0&pageSize=2>

Glava zahtevka

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{
  "size": 24,
  "page_start": 0,
  "page_size": 2,
  "entities": [
    {
      "classification_code": "C=sys^C=Logs^C=Import^D=0000000001",
      "description": "Import started at 2018-11-21T14:00:54.2297695+01:00",
      "id": "dUhVISje_3Jd2z98s3jcp-1dXgg4F3EB",
      "public_classification_code": "sys.Logs.Import/0000000001",
      "status": {
        "inherited": false,
        "value": "Closed"
      },
      "title": "2018-11-21T14:00:54.2297695+01:00",
      "type": "DOCUMENT"
    },
    {
      "classification_code": "C=sys^C=Logs^C=Import^D=0000000002",
      "description": "Import started at 2018-11-21T14:03:30.0163403+01:00",
      "id": "Yfs4Ea4N9CE_ZMLxZQlJvhN99D2FWS6b",
      "public_classification_code": "sys.Logs.Import/0000000002",
      "status": {
        "inherited": false,
        "value": "Closed"
      }
    }
  ]
}
```

```

        "value": "Closed"
    },
    "title": "2018-11-21T14:03:30.0163403+01:00",
    "type": "DOCUMENT"
}
],
"categories": []
}

```

5.20 Review

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

5.20.1 Reviews read

Operation reads the reviews.

Request

GET archives/{archiveld}/reviews.json

Request parameters

page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than entity information is created again; otherwise information is created only first time (optional). Parameter is taken into the account when page_start in page_size parameters are present.
sort	String	The sort key of the collection (optional). The set of values: - sys>Title: The title of the entity. - sys:Modified: Date and time of the last entity change.

sort_order	String	The sort order of the collection (optional). Valid only if the "sort" parameter exists (optional). The set of values: - asc: Ascending (default value). - desc: Descending.
category_properties	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).
fields	String	Defines the fields in the reply. Example: entities (id, title, modified, classification_code, effective_rights, child_count, closed, permanent, public_classification_code, description, type, has_draft), page_size, page_start, size, categories.

Request header

Authorization: Bearer [session token]

ResponseSee chapter [ReviewsResponse](#)Response status

200 – Reviews read successfully.

401 – Invalid session.

500 - Server error.

5.20.2 Review public information read

Operation reads a review public information.

Request**GET archives/{archiveId}/reviews/{id}/stub.json**

Request header

Authorization: Bearer [session token]

Response

See chapter [ReviewsResponse](#)

Response status

200 – Review read successfully.

401 – Invalid session.

500 - Server error.

Example of the review public information read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/reviews/ePoesU-YEC3WrOmF2zaSfT94eD4mNYmc/stub.json

Request header

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

Response

```
{  
  "review": {  
    "accessed": "2018-11-13T09:10:55.273Z",  
    "aip": true,  
    "created": "2018-10-24T09:54:54.296Z",  
    "creator": {  
      "id": "admin",  
      "email": "admin@acme.com",  
      "first_name": "",  
      "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
      "last_name": "Administrator",  
      "type": "USER"  
    },  
    "description": "5 years Regular review",  
    "effective_rights": {  
      "create_references": true,  
      "create_sub_entities": true,  
      "change_retention": true,  
      "change_rights": true,  
      "change_security_class": true,  
      "change_status": true,  
      "delete_access": true,  
      "move_access": true,  
      "read_access": true,  
      "write_access": true  
    },  
    "id": "ePoesU-YEC3WrOmF2zaSfT94eD4mNYmc",  
    "keywords": ["regular"],  
    "rights": {  
      "create": true,  
      "create_sub_entities": true,  
      "change": true,  
      "change_rights": true,  
      "change_security_class": true,  
      "change_status": true,  
      "delete": true,  
      "move": true,  
      "read": true,  
      "write": true  
    }  
  }  
}
```

```
"message": "Review prepared",
"modified": "2018-10-24T09:55:22.206Z",
"opened": "2018-10-24T09:54:54.000Z",
"owner": {
    "id": "rsalazar",
    "email": "ron.salazar@acme.com",
    "first_name": "Ron",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/rsalazar/avatar",
    "last_name": "Salazar",
    "type": "USER"
},
"state": "InReview",
"status": {
    "inherited": false,
    "value": "Opened"
},
"title": "Review A-7 July 2018"
}
```

5.20.3 Review open

The operation opens a review for reading and returns a unique identifier of the open review, which carries out different operations (where the value of *reviewIdType* can equal H).

Request

GET archives/{archiveld}/reviews/{id}/handle/open.json

Request header

Authorization: Bearer [session token]

Response status

200 – Review opened successfully.

401 – Invalid session.

500 - Server error.

5.20.4 Opening a review for editing

The operation opens a review for editing and returns a unique identifier of the open review, which carries out different operations (where the value of *IdType* can equal H).

Request

GET archives/{archiveld}/reviews/{id}/handle/edit.json

Request header

Authorization: Bearer [session token]

Response

See chapter [EntityOpenResponse](#)

Response status

200 – Review opened successfully.

401 – Invalid session.

500 - Server error.

5.20.5 Opening a review for creating

The operation opens a review for creating and returns a unique identifier of the open review, which carries out different operations (where the value of *IdType* can equal H).

The review can be created from multiple retention policies or from a query expression.

Request

POST archives/{archiveld}/reviews/create.json

Request header

Authorization: Bearer [session token]

Request content

See chapter [ReviewCreateHandleRequest](#)

Response

See chapter [EntityOpenResponse](#)

Response status

200 – Review opened successfully.

401 – Invalid session.

500 - Server error.

Example of opening a review for creationRequest

POST https://apps.imis.eu/scsvc/archives/IARC/reviews/create.json

Request header

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

Request content

```
{  
    "retention_policies": ["5CobtV-H1DNFXeph2W3lGEafgazOvtfp"]  
}
```

Response

```
{  
    "handle": "70df7ae6-b289-4062-acb1-22b134967a62"  
}
```

5.20.6 Closing an open review

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

Request

GET archives/{archiveId}/reviews/{id}/handle/close.json

Request header

Authorization: Bearer [session token]

Request status

200 – Open review closed successfully.

401 – Invalid session.

404 - Object does not exist.

500 - Server error.

5.20.7 Review read

Operation reads review information.

Request

GET archives/{archiveld}/reviews/{id}.json

and

GET archives/{archiveld}/reviews/{idType}:{id}.json

The set of IdType values: H, I.

Request header

Authorization: Bearer [session token]

Response

See chapter [ReviewResponse](#)

Response status

200 – Review read successfully.

401 – Invalid session.

500 - Server error.

5.20.8 Review pages read

Operation reads a review pages.

Response

GET archives/{archiveld}/reviews/{id}/items/{itemId}.json

and

GET archives/{archiveld}/reviews/{idType}:{id}/items/{itemId}.json

The set of IdType values: H, I.

Request header

Authorization: Bearer [session token]

Response

See chapter [ReviewItemResponse](#)

Response status

200 - Review pages read successfully.

401 – Invalid session.

500 - Server error.

Example of the review pages read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/reviews/H:6146cc0e-a7bd-48ab-a4e6-9d1c21143049/items/QLoVa9H8UTdeCe8bqlpnZ7ZTbg9VEYFy.json
```

Request header

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

Response

```
{
  "item": {
    "actions": ["Permanent", "Transfer", "Review", "Dispose"],
    "entities": [
      {
        "action": "Transfer",
        "comment": "",
        "classification_code": "C=02^C=01^C=01^F=2017-000006",
        "reason": "Retention policy conflict. No default reason available.",
        "title": "Mtg w/Joe Kiskill, Jim Hughes & Rick Shapiro- EB3324",
        "transfer_id": "",
        "type": "FOLDER"
      },
      {
        "action": "Dispose",
        "comment": "Not important any more",
        "classification_code": "C=02^C=01^C=01^F=2017-000017",
        "reason": "Obsolete",
        "title": "Mtg w/Pavel Zadorozhny - EB3324 (x34778)",
        "transfer_id": "858685",
        "transferred": true,
        "type": "FOLDER"
      },
      {
        "action": "Transfer",
        "comment": "",
        "classification_code": "C=02^C=01^C=01^F=2017-000020",
        "reason": "Retention policy conflict. No default reason available.",
        "title": "Frevert traveling til 5/23",
        "transfer_id": "",
        "type": "FOLDER"
      }
    ],
    "id": "QLoVa9H8UTdeCe8bqlpnZ7ZTbg9VEYFy",
    "title": "Decisions - Page 1"
  }
}
```

5.20.9 Changing an entity on a review page

The operation changes an entity on a review page.

Request

PUT archives/{archiveId}/reviews/{id}/items/{itemId}/entity/{entityId}.json

and

PUT archives/{archiveId}/reviews/{IdType}:{id}/items/{itemId}/entity/{entityId}.json

The set of *IdType* values: H, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter [ReviewEntityStubUpdateRequest](#)

Response

See chapter [ReviewEntityStubResponse](#)

Response status

200 – Entity updated successfully.

400 – Bad request.

401 – Invalid session.

500 - Server error.

Example of modifying an entity on a review page

Request

```
PUT https://apps.imis.eu/scsvc/archives/IARC/reviews/H:22ac84a8-1a18-4a11-9925-
cab1e8301133/items/4204VDnqWpwfW2MrvietHKKeouNf13bZ/entity/C=02%5EC=01%5EC=
01%5EF=2017-000040.json
```

Request header

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

Request content

```
{  
    "entity": {  
        "action": "Permanent",  
        "reason": "Retention policy conflict. No default reason available."  
    }  
}
```

Response

```
{  
    "entity": {  
        "action": "Permanent",  
        "classification_code": "C=02^C=01^C=01^F=2017-000040",  
        "reason": "Retention policy conflict. No default reason available.",  
        "title": "Bonus amounts due back to HR",  
        "type": "FOLDER"  
    }  
}
```

5.20.10 Review create

Operation creates and saves a review page.

Request

POST archives/{archiveId}/reviews.json

Request header

Authorization: Bearer [session token]

Request content

See chapter [ReviewCreateRequest](#)

Response

See chapter [ReviewReponse](#)

Response status

200 – Review created successfully.

400 – Bad request.

401 – Invalid session.

500 - Server error.

5.20.11 Review change

Operation changes a review.

Request

PUT archives/{archiveld}/reviews/{id}.json

and

PUT archives/{archiveld}/reviews/{idType}:{id}.json

The set of *idType* values: H, I.

Request header

Authorization: Bearer [session token]

Request content

See chapter [ReviewUpdateRequest](#)

Response

See chapter [ReviewReponse](#)

Response status

200 – Review created successfully.

400 – Bad request.

401 – Invalid session.

500 - Server error.

5.20.12 Review audit log read

Operation reads a review audit log.

Request

GET archives/{archiveld}/reviews/{id}/audit_log.json

and

GET archives/{archiveld}/reviews/{id}/audit_log.csv

and

GET archives/{archiveld}/reviews/{id}/audit_log.xml

See chapter [Entity audit log read](#)

5.20.13 Review authenticity evidence read

Operation reads a review authenticity evidence information.

Request

GET archives/{archiveld}/reviews/{id}/nonrepudiation.zip

and

GET archives/{archiveld}/reviews/{reviewIdType}:{id}/nonrepudiation.zip

The set of reviewIdType values: H, I.

See chapter [Authenticity](#)

5.20.14 Review template read

Operation reads a review template information.

Request

GET archives/{archiveld}/reviews/{id}/template.json

and

GET archives/{archiveld}/reviews/{reviewIdType}:{id}/template.json

The set of reviewIdType values: H, I.

See chapter [Template read](#)

5.20.15 Review access right read

Operation reads a review access right information.

Request

GET archives/{archiveld}/reviews/{id}/acl.json

and

GET archives/{archiveld}/reviews/{reviewIdType}:{id}/acl.json

The set of reviewIdType values: H, I.

See chapter [Entity access right read](#)

5.20.16 Review access right read for each directory entity

Operation reads a review access right information for each directory entity.

Request

GET archives/{archiveld}/reviews/{id}/access.json

See chapter [Entity access right read for each directory entity](#).

5.20.17 Review access rights create

Operation creates a review access rights.

Request

POST archives/{archiveld}/reviews/{id}/acl.json

and

POST archives/{archiveld}/reviews/{reviewIdType}:{id}/acl.json

The set of reviewIdType values: H, I.

See chapter [Review access rights create](#)

5.20.18 Review access right change

Operation changes an entity explicit access right.

Request

PUT archives/{archiveld}/reviews/{id}/acl/{entryId}.json

and

PUT archives/{archiveld}/reviews/{reviewIdType}:{id}/acl/{entryId}.json

The set of reviewIdType values: H, I.

See chapter [Entity access right change](#)

5.20.19 Review property access right change

Operation changes a review property explicit access rights.

Request

PUT archives/{archiveld}/reviews/{id}/acl/{propertyName}/{entryId}.json

and

PUT archives/{archiveld}/reviews/{reviewIdType}:{id}/acl/{propertyName}/{entryId}.json

The set of reviewIdType values: H, I.

See chapter [Entity property access right change](#)

5.20.20 Review access right delete

Operation deletes an entity access right.

Request

DELETE archives/{archiveld}/reviews/{id}/acl/{entryId}.json

and

DELETE archives/{archiveld}/reviews/{reviewIdType}:{id}/acl/{entryId}.json

The set of reviewIdType values: H, I.

See chapter [Entity access right delete](#)

5.20.21 Review property access right delete

Operation deletes a review property access right.

Request

DELETE archives/{archiveld}/reviews/{id}/acl/{propertyName}/{entryId}.json

and

DELETE archives/{archiveld}/reviews/{reviewIdType}:{id}/acl/{propertyName}/{entryId}.json

The set of reviewIdType values: H, I.

See chapter [Entity property access right delete](#)

5.20.22 Review entities transfer

Operation exports the entities.

Request

POST archives/{archiveld}/reviews/{id}/transfer.zip

Request parameters

audit_log	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
evidence	Boolean	Specifies whether the authenticity and integrity proofs are exported for each entity (default value: true).

Request header

Authorization: Bearer [session token]

Request content (optional)

The dataset of additional metadata on transfer (XML).

Response

The dataset of exported entities.

Response status

200 – Review transferred successfully.
401 – Invalid session.
500 - Server error.

5.20.23 Review entities transfer confirmation

Operation confirms the entities transfer and updates review pages, where it sets the transfer data for individual entities.

Request

POST archives/{archiveld}/reviews/{id}/confirm_transfer

and

POST archives/{archiveld}/reviews/{reviewIdType}:{id}/confirm_transfer

The set of reviewIdType values: H, I.

Request header

Authorization: Bearer [session token]

Request content

CSV file dataset.

Response

See chapter [ReviewResponse](#)

Response status

200 – Entity transferred successfully.
401 – Invalid session.
500 - Server error.

Example of the review entities transfer confirmation

Request

POST https://apps.imis.eu/scsvc/archives/IARC/reviews/ePoesU-YEC3WrOmF2zaSfT94eD4mNYmc/confirm_transfer

Request header

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

Request content

```
ClassificationCode;Transferred;ReferenceId  
C=02^C=01^C=01^F=2017-000040;true;2017-000006
```

Response

```
{  
    "entity": {  
        "action": "Permanent",  
        "classification_code": "C=02^C=01^C=01^F=2017-000040",  
        "reason": "Retention policy conflict. No default reason available.",  
        "title": "Bonus amounts due back to HR",  
        "type": "FOLDER"  
    }  
}
```

5.21 Disposed and deleted entities

Disposed and deleted entities can be read in a stubbed form.

5.21.1 Disposed entities read

Operation reads the entities, which were disposed during the review process.

Request

GET archives/{archiveld}/disposed.json

and

GET archives/{archiveld}/disposed/{id}/entities.json

Request parameters

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

Request header

Authorization: Bearer [session token]

Request parameters

page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than search is performed again; otherwise it is performed only first time. Parameter is taken into the account when page_start in page_size parameters are present (optional).
sort	String	The sort key of the collection (optional). The set of values: <ul style="list-style-type: none">- sys>Title: The title of the entity.- sys:ClassificationCode: The classification code (default value).- sys:del>Date:Time: Date and time of the entity deletion.- metadata identifier.
sort_order	String	The sort order of the collection (optional). Valid only if the "sort" parameter exists. The set of values: <ul style="list-style-type: none">- asc: Ascending (default value).- desc: Descending.

Response

See chapter [DeletionStubsResponse](#)

Response status

200 – Entities read successfully.

401 – Invalid session.

500 - Server error.

Example of the disposed entities read

Request

GET <https://apps.imis.eu/scsvc/archives/IARC/disposed.json?pageStart=0&pageSize=2>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{  
    "size": 4,  
    "page_start": 0,  
    "page_size": 2,  
    "entities": [  
        {"agent": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "container": true,  
        "child_count": 1,  
        "deleted": "2018-11-28T13:11:04.000Z",  
        "description": "Regular review 5-years",  
        "id": "nvRK1-Y94neJUmIC3oAS0St_m_-Ivljz",  
        "title": "Review 18/11/1"  
    }, {  
        "agent": {  
            "id": "admin",  
            "email": "admin@acme.com",  
            "first_name": "",  
            "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
            "last_name": "Administrator",  
            "type": "USER"  
        },  
        "container": true,  
        "child_count": 1,  
        "deleted": "2018-11-28T13:28:07.000Z",  
        "description": "Regular review 5-years",  
        "id": "k-CEYhnaR9GMSuQVgGnCFxiTp_zaUsVm",  
        "title": "Review 18/11/28"  
    }  
]
```

5.21.2 Disposed entity read

Operation reads an entity information.

Request

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

Request header

Authorization: Bearer [session token]

Response

See chapter [DeletionStubResponse](#)

Response status

200 – Entity read successfully.

401 – Invalid session.

500 - Server error.

Example of the disposed entity read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/disposed/nvRKi-Y94neJUmlC3oAS0St_m_-lv1jz.json

Request header

Authorization: Bearer 7t0HfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{  
  "deletion_stub": {  
    "agent": {  
      "id": "admin",  
      "email": "admin@acme.com",  
      "first_name": "",  
      "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
      "last_name": "Administrator",  
      "type": "USER"  
    },  
    "container": true,  
    "child_count": 1,  
    "deleted": "2018-11-28T13:11:04.000Z",  
    "description": "Regular review 5-years",  
    "id": "nvRKi-Y94neJUmlC3oAS0St_m_-lv1jz",  
    "title": "Review 18/11/1"  
  }  
}
```

5.21.3 Disposed entity audit log read

Operation reads the disposed entity audit log.

Request

GET archives/{archiveld}/disposed/{id}/audit_log.json

See chapter [Entity audit log read](#)

Example of the disposed entity audit log read

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/disposed/urMMVFNpVZCBqlFi1Gx6vPvToHCklbE4/audit_log.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{  
  "events": [  
    {  
      "computer_name": "SERVER",  
      "details": "Retention policy conflict. No default reason available.",  
      "public_address": "127.0.0.1",  
      "time": "2018-11-27T15:01:37Z",  
      "type": "ENTITY_DISPOSED",  
      "user": {  
        "id": "admin",  
        "email": "admin@acme.com",  
        "first_name": "",  
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
        "last_name": "Administrator",  
        "type": "USER"  
      }  
    }, {  
      "computer_name": "SERVER",  
      "details": "Changed properties: sys:Description",  
      "public_address": "127.0.0.1",  
      "time": "2018-11-27T15:01:37Z",  
      "type": "PROPERTY_VALUE_CHANGE",  
      "user": {  
        "id": "admin",  
        "email": "admin@acme.com",  
        "first_name": "",  
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
        "last_name": "Administrator",  
        "type": "USER"  
      }  
    }, {  
      "computer_name": "SERVER",  
      "details": "Email - body [gI9ZyHJKmq_EuAeZ9PNXuOnDbFaesVhx]",  
      "public_address": "127.0.0.1",  
      "time": "2018-11-27T15:01:37Z",  
      "type": "CONTENT_PART_DELETE",  
      "user": {  
        "id": "admin",  
        "email": "admin@acme.com",  
        "first_name": "",  
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",  
        "last_name": "Administrator",  
        "type": "USER"  
      }  
    }, {  
      "computer_name": "SERVER",  
      "details": "Email - raw [gUQrx1hiY8lhLOWCxptoMpauefE8Ff9q]",  
      "public_address": "127.0.0.1",  
      "time": "2018-11-27T15:01:37Z",  
      "type": "CONTENT_PART_DELETE",  
    }]
```

```
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-27T14:33:34Z",
    "type": "ENTITY_SAVE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "details": "Changed properties: Review Trigger",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-27T14:33:34Z",
    "type": "PROPERTY_VALUE_CHANGE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-27T14:33:19Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "details": "Added policies:'2 years','3 years','5 years','10 years','10 years + National Archives'",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-27T14:32:18Z",
    "type": "RETENTION_CHANGE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
```

```
"time": "2018-11-27T14:29:59Z",
"type": "ENTITY_SAVE",
"user": {
  "id": "admin",
  "email": "admin@acme.com",
  "first_name": "",
  "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
  "last_name": "Administrator",
  "type": "USER"
},
{
  "computer_name": "MARKOPC",
  "details": "Changed properties: sys:Title, sys:eml:Date, sys:eml:From, sys:eml:MessageId, sys:eml:Priority, sys:eml:Signed, sys:eml:Subject, sys:eml:To, sys:eml:ToBCC, sys:eml:ToCC",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-27T14:29:59Z",
  "type": "PROPERTY_VALUE_CHANGE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  }
},
{
  "computer_name": "MARKOPC",
  "details": "Email - body [gI9ZyHJKmq_EuAeZ9PNXuOnDbFaesVhx]",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-27T14:29:59Z",
  "type": "CONTENT_PART_SAVE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  }
},
{
  "computer_name": "MARKOPC",
  "details": "Email - body [gI9ZyHJKmq_EuAeZ9PNXuOnDbFaesVhx]",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-27T14:29:59Z",
  "type": "CONTENT_PART_CREATE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  }
},
{
  "computer_name": "MARKOPC",
  "details": "Email - raw [gUQrx1hiY8lhLOWCxptoMpauefE8Ff9q]",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-27T14:29:59Z",
  "type": "CONTENT_PART_SAVE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  }
}
```

```
        }
    },
    "computer_name": "MARKOPC",
    "details": "Email - raw [gUQrX1hiY8lhLOWCxptoMpauefE8Ff9q]",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-27T14:29:59Z",
    "type": "CONTENT_PART_CREATE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-27T14:29:59Z",
    "type": "ENTITY_CREATE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
}
]
```

5.21.4 Deleted entities read

Operation reads the deleted entities.

Request

GET archives/{archiveld}/deleted.json

and

GET archives/{archiveld}/deleted/{id}/entities.json

Request header

Authorization: Bearer [session token]

Request parameters

page_start	Int	The beginning of the page (optional).
page_size	Int	The size of the page (optional).
refresh	Boolean	If value is <i>true</i> than search is performed again; otherwise it is performed only first time. Parameter is taken into the account when page_start in page_size parameters are present (optional).
sort	String	<p>The sort key of the collection (optional).</p> <p>The set of values:</p> <ul style="list-style-type: none"> - sys>Title: The title of the entity. - sys:ClassificationCode: The classification code (default value). - sys:del:Date:Time: Date and time of the entity deletion. - metadata identifier.
sort_order	String	<p>The sort order of the collection (optional). Valid only if the »sort« parameter exists.</p> <p>The set of values:</p> <ul style="list-style-type: none"> - asc: Ascending (default value). - desc: Descending.

Response

See chapter [DeletionStubsResponse](#)

Response status

200 – Entities read successfully.

401 – Invalid session.

500 - Server error.

Example of the deleted entities read

Request

GET <https://apps.imis.eu/scsvc/archives/IARC/deleted.json?pageStart=0&pageSize=2>

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE00C2t

Response

```
{
  "size": 48,
  "page_start": 0,
  "page_size": 2,
  "entities": [
    {
      "agent": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
      },
      "classification_code": "C=05^C=03",
      "container": false,
      "child_count": 0,
      "deleted": "2018-11-16T14:29:44.000Z",
      "description": "temp",
      "id": "h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q",
      "public_classification_code": "05.03",
      "reason": "temp",
      "title": "Employee Records"
    },
    {
      "agent": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
      },
      "classification_code": "C=06^C=01",
      "container": false,
      "child_count": 0,
      "deleted": "2018-12-04T08:26:52.000Z",
      "description": "IMiS/Scan project",
      "id": "iWvjJbVX3KohUjcyOrVhYQSHbYPM2bq",
      "public_classification_code": "06.01",
      "reason": ".",
      "title": "Scan project"
    }
  ]
}
```

5.21.5 Deleted entity read

Operation reads an entity information.

Request

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

Request header

Authorization: Bearer [session token]

Response

See chapter [DeletionStubResponse](#)

Response status

200 – Entity read successfully.

401 – Invalid session.

500 - Server error.

Example of the deleted entity read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/deleted/h2gvyyUGPT8QNYIL-N7gZaSnGIWGYd5Q.json

Request header

Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t

Response

```
{
  "deletion_stub": {
    "agent": {
      "id": "admin",
      "email": "admin@acme.com",
      "first_name": "",
      "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
      "last_name": "Administrator",
      "type": "USER"
    },
    "classification_code": "C=05^C=03",
    "container": false,
    "child_count": 0,
    "deleted": "2018-11-16T14:29:44.000Z",
    "description": "temp",
    "id": "h2gvyyUGPT8QNYIL-N7gZaSnGIWGYd5Q",
    "public_classification_code": "05.03",
    "reason": "temp",
    "title": "Employee Records"
  }
}
```

5.21.6 Deleted entity audit log read

Operation reads the deleted entity audit log.

Request

GET archives/{archiveld}/deleted/{id}/audit_log.json

See chapter [Entity audit log read](#)

Example of the deleted entity audit log read

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC/deleted/h2gvyyUGPT8QNYIL-N7gZaSnGIWGYd5Q/audit_log.json
```

Request header

```
Authorization: Bearer 7tOHfCpest56jfRt2rB6jUvDvKXJaBuHEFE0OC2t
```

Response

```
{
  "events": [
    {
      "computer_name": "MARKOPC",
      "details": "temp",
      "local_address": "192.168.80.67",
      "public_address": "192.168.80.67",
      "time": "2018-11-16T14:29:44Z",
      "type": "ENTITY_DELETE",
      "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
      }
    },
    {
      "computer_name": "MARKOPC",
      "details": "Changed properties: sys>Description",
      "local_address": "192.168.80.67",
      "public_address": "192.168.80.67",
      "time": "2018-11-16T14:29:44Z",
      "type": "PROPERTY_VALUE_CHANGE",
      "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
      }
    },
    {
      "computer_name": "MARKOPC",
      "local_address": "192.168.80.67",
      "time": "2018-11-16T14:29:44Z"
    }
  ]
}
```

```
"public_address": "192.168.80.67",
"time": "2018-11-16T14:16:09Z",
"type": "ENTITY_OPEN_READ_WRITE",
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T14:10:59Z",
    "type": "ENTITY_SAVE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "details": "Added DENY rights for 'sys:Creator': Read: OFF; Write: OFF; Delete: OFF;
Change permissions: OFF; Create entities: OFF; Move: OFF; Change security class: ON; Change
status: ON; Change retention: OFF; Create references: OFF; ValidFrom: 'UNDEFINED' to '2018-10-
31T23:00:00Z'; ValidTo: 'UNDEFINED' to '2018-11-30T22:59:00Z'; ",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T14:10:59Z",
    "type": "ACL_ENTRY_CHANGE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    },
    "version": 47920,
    "version_label": ""
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T14:10:11Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "apps01.imis.si",
    "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
    "public_address": "192.168.50.15",
    "time": "2018-11-16T14:07:24Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "sys:Administrator",
        "email": "",
        "first_name": "",
        "last_name": "System Administrator",
        "type": "USER"
    }
}
```

```
        }
    },
    "computer_name": "apps01.imis.si",
    "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
    "public_address": "192.168.50.15",
    "time": "2018-11-16T14:07:22Z",
    "type": "ENTITY_SAVE",
    "user": {
        "id": "sys:Administrator",
        "email": "",
        "first_name": "",
        "last_name": "System Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "apps01.imis.si",
    "details": "Removed DENY rights for 'sys:Creator': Read: ON; Write: ON; Delete: ON; Change permissions: ON; Create entities: ON; Move: ON; Change security class: ON; Change status: ON; Change retention: ON; Create references: ON; ValidFrom: '2018-10-31T23:00:00Z' to 'UNDEFINED'; ValidTo: '2018-11-30T22:59:00Z' to 'UNDEFINED'; ",
    "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
    "public_address": "192.168.50.15",
    "time": "2018-11-16T14:07:22Z",
    "type": "ACL_ENTRY_CHANGE",
    "user": {
        "id": "sys:Administrator",
        "email": "",
        "first_name": "",
        "last_name": "System Administrator",
        "type": "USER"
    }
,
"version": 44544,
"version_label": ""
},
{
    "computer_name": "apps01.imis.si",
    "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
    "public_address": "192.168.50.15",
    "time": "2018-11-16T14:07:00Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "sys:Administrator",
        "email": "",
        "first_name": "",
        "last_name": "System Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "apps01.imis.si",
    "local_address": "2a01:260:4086:1280:ec3f:24a9:b72:3621",
    "public_address": "192.168.50.15",
    "time": "2018-11-16T14:06:40Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "sys:Administrator",
        "email": "",
        "first_name": "",
        "last_name": "System Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T14:01:53Z",
    "type": "ENTITY_SAVE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator"
    }
}
```

```
"type": "USER"
},
{
  "computer_name": "MARKOPC",
  "details": "Added DENY rights for 'sys:Creator': Read: ON; Write: ON; Delete: ON;
Change permissions: ON; Create entities: ON; Move: ON; Change security class: ON; Change
status: ON; Change retention: ON; Create references: ON; ValidFrom: 'UNDEFINED' to '2018-10-
31T23:00:00Z'; ValidTo: 'UNDEFINED' to '2018-11-30T22:59:00Z'; ",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-16T14:01:53Z",
  "type": "ACL_ENTRY_CHANGE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  },
  "version": 44384,
  "version_label": ""
},
{
  "computer_name": "MARKOPC",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-16T13:59:51Z",
  "type": "ENTITY_OPEN_READ_WRITE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  }
},
{
  "computer_name": "MARKOPC",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-16T13:59:48Z",
  "type": "ENTITY_SAVE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  }
},
{
  "computer_name": "MARKOPC",
  "details": "Added DENY rights for 'kclay': Read: OFF; Write: OFF; Delete: OFF; Change
permissions: OFF; Create entities: ON; Move: OFF; Change security class: OFF; Change status:
OFF; Change retention: OFF; Create references: OFF; ValidFrom: 'UNDEFINED' to '2018-09-
30T22:00:00Z'; ValidTo: 'UNDEFINED' to '2018-12-31T22:59:00Z'; ",
  "local_address": "192.168.80.67",
  "public_address": "192.168.80.67",
  "time": "2018-11-16T13:59:48Z",
  "type": "ACL_ENTRY_CHANGE",
  "user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
  },
  "version": 44384,
  "version_label": ""
},
{
```

```
"computer_name": "MARKOPC",
"local_address": "192.168.80.67",
"public_address": "192.168.80.67",
"time": "2018-11-16T13:59:10Z",
"type": "ENTITY_OPEN_READ_WRITE",
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T13:57:28Z",
    "type": "ENTITY_OPEN_READ_ONLY",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T13:11:36Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "kclay",
        "email": "keira.clay@acme.com",
        "first_name": "Keira",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
        "last_name": "Clay",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T13:11:14Z",
    "type": "ENTITY_OPEN_READ_ONLY",
    "user": {
        "id": "kclay",
        "email": "keira.clay@acme.com",
        "first_name": "Keira",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
        "last_name": "Clay",
        "type": "USER"
    }
},
{
    "computer_name": "MARKOPC",
    "local_address": "192.168.80.67",
    "public_address": "192.168.80.67",
    "time": "2018-11-16T13:09:29Z",
    "type": "ENTITY_OPEN_READ_WRITE",
    "user": {
        "id": "kclay",
        "email": "keira.clay@acme.com",
        "first_name": "Keira",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/kclay/avatar",
        "last_name": "Clay",
        "type": "USER"
    }
},
{
    "computer_name": "apps01.imis.si",
```

```
"local_address": "192.168.80.51",
"public_address": "192.168.50.15",
"time": "2018-11-15T09:39:32Z",
"type": "ENTITY_OPEN_READ_ONLY",
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
},
{
    "computer_name": "apps01.imis.si",
    "local_address": "192.168.80.67",
    "public_address": "192.168.50.15",
    "time": "2018-11-14T10:00:57Z",
    "type": "ENTITY_OPEN_READ_ONLY",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "apps01.imis.si",
    "local_address": "192.168.80.67",
    "public_address": "192.168.50.15",
    "time": "2018-11-14T09:08:15Z",
    "type": "ENTITY_OPEN_READ_ONLY",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "JURE",
    "local_address": "20.1.1.1",
    "public_address": "2a01:260:4086:1280:3cca:8b29:f39:6147",
    "time": "2018-11-13T12:27:04Z",
    "type": "ENTITY_SAVE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "JURE",
    "details": "Changed properties: sys:Creator, sys>Title",
    "local_address": "20.1.1.1",
    "public_address": "2a01:260:4086:1280:3cca:8b29:f39:6147",
    "time": "2018-11-13T12:27:04Z",
    "type": "PROPERTY_VALUE_CHANGE",
    "user": {
        "id": "admin",
        "email": "admin@acme.com",
        "first_name": "",
        "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
        "last_name": "Administrator",
        "type": "USER"
    }
},
{
    "computer_name": "JURE",
```

```
"local_address": "20.1.1.1",
"public_address": "2a01:260:4086:1280:3cca:8b29:f39:6147",
"time": "2018-11-13T12:27:04Z",
"type": "ENTITY_CREATE",
"user": {
    "id": "admin",
    "email": "admin@acme.com",
    "first_name": "",
    "icon_url": "https://apps.imis.eu/scsvc/archives/IARC/directory/admin/avatar",
    "last_name": "Administrator",
    "type": "USER"
}
}
```

5.22 Legacy archival

The archive server enables unstructured object storage.

Below is a description of operations for the legacy archival.

5.22.1 Content object read

Operation reads content object.

Request

GET archives/{archiveld}/objects/{id}

and

GET archives/{archiveld}/objects/{idType}:{id}

The set of idType values: E, I.

Request parameters

Reason	String	The reason to read content object (optional).
--------	--------	---

Request header

Authorization: Bearer [session token]

Response

The set of object data.

Response header

Content-Type: Content type.

Content-Length: The content object size (in bytes).

Response status

200 – Content object read successfully.

401 – Invalid session.

500 – Server error.

Example of the content object read

Request

GET https://apps.imis.eu/scsvc/archives/IARC/objects/i00X5tctFtYl1jXC9Rblp6jkRZrbIGd2

Request header

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

Response

test

Response header

Content-Type: text/plain

Content-Length: 4

5.22.2 Content object properties read

Operation reads a content object properties.

Request

GET archives/{archiveld}/objects/{id}.json

and

GET archives/{archiveld}/objects/{idType}:{id}.json

The set of idType values: E, I.

Request parameters

reason	String	The reason to read content object (optional).
--------	--------	---

Request header

Authorization: Bearer [session token]

Response

See chapter [ObjectStageResponse](#).

Response status

200 – Content object properties read successfully.

401 – Invalid session.

500 – Server error.

Example of the content object read

Request

GET

https://apps.imis.eu/scsvc/archives/IARC/objects/jMDmA5CDBBMJX58j__oq90QrWcXI2jSS

Request header

Authorization: Bearer ToQAe1QmkWya95991aqfHFwdqcFp406

Response

```
{  
  "object": {  
    "id": "jMDmA5CDBBMJX58j__oq90QrWcXI2jSS",  
    "size": 346432,  
    "content_type": "application/pdf",  
    "extension": ".pdf"  
  }  
}
```

5.22.3 Content object create

Operation creates the content object.

Request

POST archives/{archiveld}/objects

Request parameters

external_id	String	External content object identifier (optional).
reason	String	The reason for object creation (optional).
stage	String	Defines the storage profile (optional).

Request header

Authorization: Bearer [session token]

Response

See chapter [ObjectStageResponse](#).

Response status

200 – Object created successfully.

401 – Invalid session.

500 – Server error.

Example of the content object create

Request

POST

https://apps.imis.eu/scsvc/archives/IARC/objects?stage=Dokumenti&reason=Create&external_id=DOC_0003

Request header

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

Content-Type: text/plain

Request content

```
test
```

Response

```
{
  "object": {
    "id": "60dd02571d98a94509a0d4a6c7ac030ab14e2a48902a348a20ee468c906ea3b3",
    "size": 4,
    "content_type": "text/plain",
    "extension": ".txt"
  }
}
```

5.22.4 Content object change

Operation changes a content object.

Request

PUT archives/{archiveld}/objects/{id}.json

and

PUT archives/{archiveld}/objects/{idType}:{id}.json

The set of idType values: E, I.

Request parameters

external_id	String	External identifier (optional).
reason	String	The reason to change content object (optional).

Request header

Authorization: Bearer [session token]

Response

See chapter [ObjectStageResponse](#).

Response status

200 – Content object changed successfully.

401 – Invalid session.

500 – Server error.

Example of the content object change

Request

POST https://apps.imis.eu/scsvc/archives/IARC/objects/E:DOC_0003.json? reason=Update

Request header

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

Content-Type: text/plain

Request content

```
test  
test
```

Response

```
{  
    "object": {  
        "id": "DOC_504",  
        "size": 9,  
        "content_type": "text/plain",  
        "extension": ".txt"  
    }  
}
```

5.22.5 Content object delete

Operation deletes a content object.

Request

DELETE archives/{archiveld}/objects/{id}.json

and

DELETE archives/{archiveld}/objects/{idType}:{id}.json

The set of idType values: E, I.

Request parameters

reason	String	The reason to delete content object.
--------	--------	--------------------------------------

Request header

Authorization: Bearer [session token]

Response status

200 – Content object deleted successfully.

401 – Invalid session.

500 – Server error.

Example of the content object delete**Request**

```
DELETE https://apps.imis.eu/scsvc/archives/IARC/objects/E:DOC_0003.json
```

Request header

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

Response status

200 – Content object deleted successfully.

6 TROUBLESHOOTING

6.1 Problems using IMiS®/Storage Connector Services

REST

Below, 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(ArchiveResourc  
e.java:587)\r\n Caused by: Exception class javax.security.auth.login.LoginException: User name  
or password is invalid.\r\n at  
com.imis.imisarc.client.IAServerChannel.authenticateSRP6A(IAServerChannel.java:4476)\r\n at  
com.imis.imisarc.client.IAServerChannel.connectionOpen(IAServerChannel.java:3227)\r\n at  
com.imis.imisarc.client.IASession.authenticate(IASession.java:2041)\r\n at  
com.imis.storageconnector.IASessionPoolManager.getSessionPool(IASessionPoolManager.java:860)\r  
\n at com.imis.storageconnector.imisarchive.Archive.getSessionPool(Archive.java:847)\r\n at  
com.imis.storageconnector.imisarchive.Archive.getCapabilities(Archive.java:942)\r\n at  
com.imis.storageconnector.services.app.Archive.getCapabilities(Archive.java:550)\r\n at  
com.imis.storageconnector.services.app.Archive.<init>(Archive.java:398)\r\n at  
com.imis.storageconnector.services.app.BaseApplication.createArchive(BaseApplication.java:81)\r  
\n at  
com.imis.storageconnector.services.io.rest.resource.ArchiveResource.sessionOpen(ArchiveResourc  
e.java:587)"  
    }  
}
```

Response status

401 – Bad authorization.

Cause of the problem

The issue could be caused by invalid username or password.

Resolving the problem

Try sending a different username and password again.

6.1.2 Session timeout

Request

```
GET https://apps.imis.eu/scsvc/archives/IARC98/entities/I:YQM1ixP8TAOZOQabg-  
OSRxLf9mrLAFHJt9YDVRK5xNs/entities.json
```

Request header

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

Response

Scheme

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

Response status

401 - Unauthorized, username and password are incorrect.

Cause of the problem

The issue could be caused by session timeout.

Resolving the problem

Open new session.