



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

Version 9.9.2210

**IMAGING  
SYSTEMS**  
Imaging Systems Inc.  
Brnciceva 41 G  
Ljubljana  
Slovenia

## TABLE OF CONTENTS

1	INTRODUCTION.....	16
1.1	About this guide .....	16
1.2	Target audience.....	16
1.3	Conventions.....	16
1.4	Abbreviations.....	17
2	GENERAL.....	18
2.1	Integration with applications.....	18
2.2	Security.....	19
2.3	Product versions.....	20
2.4	Functionality.....	21
2.5	New functionalities in this version .....	21
3	SYSTEM REQUIREMENTS.....	24
3.1	Hardware.....	24
3.1.1	Minimum requirements .....	24
3.1.2	Recommended requirements .....	24
3.2	Software .....	25
4	ADMINISTRATION.....	26
4.1	Installation.....	26
4.1.1	Installation process .....	26
4.1.2	Archives settings.....	27
4.2	Start up and shut down.....	32
4.3	Upgrading.....	32
4.3.1	Upgrading process.....	33
4.4	Removal.....	33
5	OBJECTS.....	34
5.1	Types .....	35
5.1.1	AdministrationAccess.....	35
5.1.2	ArchiveCertificateReadRequest .....	35
5.1.3	ArchiveCertificateReadResponse .....	36
5.1.4	AccessMode .....	36
5.1.5	Account.....	37
5.1.6	AccountChangePasswordRequest.....	37
5.1.7	AccountChangePasswordResponse.....	38
5.1.8	AccountDataDeleteRequest.....	38
5.1.9	AccountDataDeleteResponse.....	39
5.1.10	AccountDataReadRequest.....	39

5.1.11	AccountDataReadResponse.....	39
5.1.12	AccountDataUpdateRequest.....	40
5.1.13	AccountDataUpdateResponse.....	40
5.1.14	AccountReadRequest.....	41
5.1.15	AccountReadResponse.....	41
5.1.16	ACL.....	42
5.1.17	Archive .....	42
5.1.18	ArchiveCapabilities .....	43
5.1.19	ArchiveFeatures.....	44
5.1.20	ArchiveConfig .....	44
5.1.21	ArchiveReadRequest .....	45
5.1.22	ArchiveReadResponse .....	45
5.1.23	ArchiveSession .....	46
5.1.24	ArchiveSessionStatusType .....	46
5.1.25	ArchivesReadRequest.....	47
5.1.26	ArchivesReadResponse.....	47
5.1.27	AuditLogEvent.....	48
5.1.28	AuditLogEventType.....	49
5.1.29	AuditLogRawReadRequest.....	50
5.1.30	AuditLogRawReadResponse.....	51
5.1.31	AuditLogRawType.....	51
5.1.32	AuditLogReadResponse.....	52
5.1.33	AuditLogReadOptions.....	52
5.1.34	AuditLogStatistic.....	53
5.1.35	AuditLogStatisticDay.....	54
5.1.36	AuditLogStatisticUser .....	54
5.1.37	Authentication .....	55
5.1.38	BatchEntity.....	55
5.1.39	BatchEntityCreate.....	57
5.1.40	BatchEntityCreateRequest.....	57
5.1.41	BatchEntityCreateResponse.....	58
5.1.42	BatchEntityRefCreate .....	58
5.1.43	BatchEntityRefCreateRequest.....	59
5.1.44	BatchEntityRefCreateResponse.....	59
5.1.45	BinaryValue .....	60
5.1.46	CacheClearRequest.....	60
5.1.47	CacheClearResponse.....	61
5.1.48	CacheEntitiesReadRequest .....	61

5.1.49 CacheEntitiesReadResponse .....61

5.1.50 Category .....62

5.1.51 CollectionReadRequest.....62

5.1.52 CollectionSort .....63

5.1.53 ContentOptions.....64

5.1.54 CheckInRequest .....65

5.1.55 CheckOutRequest .....65

5.1.56 ChildClassificationCodeMode .....66

5.1.57 DeletedEntitiesReadRequest .....66

5.1.58 DeletedEntitiesReadResponse .....67

5.1.59 DeletedEntity .....68

5.1.60 DeletedEntityReadRequest.....69

5.1.61 DeletedEntityReadResponse .....69

5.1.62 DirectoryEntityMembersReadRequest.....70

5.1.63 DirectoryEntity .....71

5.1.64 DirectoryEntityInfo .....72

5.1.65 DirectoryEntityMembership.....73

5.1.66 DirectoryEntityType .....73

5.1.67 DirectoryEntitiesReadRequest .....74

5.1.68 DirectoryEntitiesReadResponse .....75

5.1.69 DispositionHold.....75

5.1.70 DispositionHoldAuditLogReadRequest .....76

5.1.71 DispositionHoldsReadRequest .....76

5.1.72 DispositionHoldsReadResponse .....77

5.1.73 Draft .....77

5.1.74 DraftDiscardRequest.....78

5.1.75 DraftDiscardResponse.....78

5.1.76 DraftOpenRequest.....78

5.1.77 DraftReadRequest .....79

5.1.78 DraftReadResponse .....79

5.1.79 DraftsReadResponse.....80

5.1.80 DraftStub .....81

5.1.81 DraftStubReadRequest .....82

5.1.82 DraftStubReadResponse .....82

5.1.83 DraftUpdate .....83

5.1.84 DraftUpdateRequest.....83

5.1.85 EffectiveRightsReadRequest .....84

5.1.86 EffectiveRightsReadResponse .....84

5.1.87	EmailProperties.....	85
5.1.88	EmailPropertiesUpdate.....	86
5.1.89	EntitiesReadRequest .....	87
5.1.90	EntitiesReadResponse .....	88
5.1.91	Entity .....	88
5.1.92	EntityACLDeleteEntryRequest.....	89
5.1.93	EntityACLDeleteEntryResponse.....	90
5.1.94	EntityACLEntriesCreateRequest.....	90
5.1.95	EntityACLEntriesCreateResponse .....	91
5.1.96	EntityACLEntry.....	91
5.1.97	EntityACLEntryCreate .....	92
5.1.98	EntityACLEntryType .....	93
5.1.99	EntityACLEntryUpdate.....	93
5.1.100	EntityACLEntryUpdateRequest .....	94
5.1.101	EntityACLEntryUpdateRequestChoice .....	94
5.1.102	EntityACLEntryUpdateResponse .....	95
5.1.103	EntityACLReadRequest .....	95
5.1.104	EntityACLReadResponse .....	96
5.1.105	EntityAuditLogReadRequest .....	96
5.1.106	EntityClassificationCodeUpdateRequest.....	97
5.1.107	EntityClassificationCodeUpdateResponse .....	97
5.1.108	EntityCloseRequest.....	98
5.1.109	EntityCloseResponse.....	98
5.1.110	EntityCreate .....	99
5.1.111	EntityCreateEmail .....	100
5.1.112	EntityCreateRequest.....	101
5.1.113	EntityCreateResponse.....	101
5.1.114	EntityDeleteRequest.....	102
5.1.115	EntityDeleteResponse .....	102
5.1.116	EntityExportRequest .....	103
5.1.117	EntityExportResponse .....	104
5.1.118	EntityId .....	104
5.1.119	EntityIdType.....	105
5.1.120	EntityImportRequest .....	105
5.1.121	EntityImportResponse .....	106
5.1.122	EntityMoveRequest.....	106
5.1.123	EntityNonrepudiationReadRequest.....	106
5.1.124	EntityNonrepudiationReadResponse.....	107

5.1.125	EntityObjectCreateRequest .....	107
5.1.126	EntityObjectCreateResponse .....	108
5.1.127	EntityObjectDeleteRequest .....	108
5.1.128	EntityObjectDeleteResponse .....	109
5.1.129	EntityObjectsReadRequest.....	109
5.1.130	EntityObjectsReadResponse .....	110
5.1.131	EntityObjectCloseRequest .....	110
5.1.132	EntityObjectCloseResponse .....	111
5.1.133	EntityObjectUpdateRequest.....	111
5.1.134	EntityObjectUpdateResponse.....	111
5.1.135	EntityObjectMoveRequest .....	112
5.1.136	EntityObjectMoveResponse .....	113
5.1.137	EntityObjectCopyRequest .....	113
5.1.138	EntityObjectCopyResponse .....	114
5.1.139	EntityObjectManageRequest.....	114
5.1.140	EntityObjectManageResponse .....	115
5.1.141	EntityObjectDetachRequest.....	115
5.1.142	EntityObjectDetachResponse.....	116
5.1.143	EntityObjectOpenRequest.....	116
5.1.144	EntityObjectOpenResponse.....	117
5.1.145	EntityObjectReadRequest .....	117
5.1.146	EntityObjectReadResponse .....	118
5.1.147	EntityOpenCreateRequest .....	118
5.1.148	EntityOpenRequest.....	119
5.1.149	EntityOpenResponse.....	119
5.1.150	EntityPropertyCreateRequest .....	120
5.1.151	EntityPropertyDeleteRequest.....	121
5.1.152	EntityPropertyDeleteResponse .....	122
5.1.153	EntityPropertyReadRequest .....	122
5.1.154	EntityPropertyReadResponse .....	123
5.1.155	EntityPropertyUpdateRequest .....	123
5.1.156	EntityReadRequest.....	125
5.1.157	EntityReadResponse .....	125
5.1.158	EntityReference.....	126
5.1.159	EntityReferenceCreateRequest.....	126
5.1.160	EntityReferenceCreateResponse.....	127
5.1.161	EntityReferenceDeleteRequest.....	127
5.1.162	EntityReferenceDeleteResponse.....	128

5.1.163	EntityReferencesReadRequest .....	128
5.1.164	EntityReferencesReadResponse .....	129
5.1.165	EntityReferenceUpdateRequest .....	129
5.1.166	EntityRetentionDispositionHoldEntriesCreateRequest.....	130
5.1.167	EntityRetentionDispositionHoldEntriesCreateResponse.....	130
5.1.168	EntityRetentionDispositionHoldEntryDeleteRequest .....	131
5.1.169	EntityRetentionDispositionHoldEntryDeleteResponse .....	131
5.1.170	EntityRetentionPolicyEntriesCreateRequest .....	131
5.1.171	EntityRetentionPolicyEntriesCreateResponse .....	132
5.1.172	EntityRetentionPolicyEntriesUpdateRequest .....	132
5.1.173	EntityRetentionPolicyEntriesUpdateResponse .....	133
5.1.174	EntityRetentionPolicyEntryDeleteRequest.....	133
5.1.175	EntityRetentionPolicyEntryDeleteResponse.....	134
5.1.176	EntityRetentionPolicyEntryUpdateRequest .....	134
5.1.177	EntityRetentionPolicyEntryUpdateResponse .....	134
5.1.178	EntityReport .....	135
5.1.179	EntityReportError .....	135
5.1.180	EntityRights .....	136
5.1.181	EntityRightsReport.....	137
5.1.182	EntitySaveLogReadRequest .....	137
5.1.183	EntitySaveLogReadResponse .....	138
5.1.184	EntitySearchHit.....	138
5.1.185	EntitySearchHitObject.....	139
5.1.186	EntitySearchRequest.....	140
5.1.187	EntitySearchResponse.....	141
5.1.188	EntitySecurityClassUpdateRequest.....	141
5.1.189	EntitySecurityClassUpdateResponse .....	142
5.1.190	EntityStatusUpdateRequest .....	142
5.1.191	EntityStatusUpdateResponse .....	143
5.1.192	EntityStub.....	143
5.1.193	EntityStubFilter.....	146
5.1.194	EntityStubPaging.....	146
5.1.195	EntityStubReadRequest.....	147
5.1.196	EntityStubReadResponse .....	147
5.1.197	EntityTransferDetails .....	148
5.1.198	EntityTransferDetailsMove .....	148
5.1.199	EntityTransferDetailsReadRequest.....	149
5.1.200	EntityTransferDetailsReadResponse.....	150

5.1.201	EntityType	150
5.1.202	EntityUpdate	151
5.1.203	EntityUpdateRequest	152
5.1.204	EntityUpdateResponse	152
5.1.205	EntityVersionsReadRequest	153
5.1.206	EntityVersionsReadResponse	153
5.1.207	FormatType	154
5.1.208	IdEncodingType	154
5.1.209	IdType	155
5.1.210	InheritedStringProperty	155
5.1.211	InheritedStringPropertyUpdate	155
5.1.212	ObjectCloseRequest	156
5.1.213	ObjectCloseResponse	156
5.1.214	ObjectCreate	156
5.1.215	ObjectCreateRequest	157
5.1.216	ObjectCreateResponse	158
5.1.217	ObjectDeleteRequest	158
5.1.218	ObjectDeleteResponse	158
5.1.219	ObjectItem	159
5.1.220	ObjectOpenRequest	160
5.1.221	ObjectOpenResponse	160
5.1.222	ObjectReadRequest	161
5.1.223	ObjectReadResponse	161
5.1.224	ObjectTransfer	162
5.1.225	ObjectUpdate	162
5.1.226	ObjectUpdateRequest	163
5.1.227	ObjectUpdateResponse	163
5.1.228	PhysicalProperties	164
5.1.229	PhysicalPropertiesUpdate	165
5.1.230	Property	166
5.1.231	PropertyACL	170
5.1.232	PropertyACLCreate	171
5.1.233	PropertyACLEntry	171
5.1.234	PropertyACLEntryCreate	172
5.1.235	PropertyACLEntryUpdate	173
5.1.236	PropertyACLUpdate	173
5.1.237	PropertyOptions	174
5.1.238	PropertyRights	175



5.1.239 PropertyType.....176

5.1.240 PropertyUpdate .....178

5.1.241 ReportRequest.....179

5.1.242 ReportResponse .....180

5.1.243 Retention.....181

5.1.244 RetentionDispositionHoldEntry.....181

5.1.245 RetentionDispositionHoldEntryUpdate .....182

5.1.246 RetentionPoliciesReadRequest.....182

5.1.247 RetentionPoliciesReadResponse .....183

5.1.248 RetentionPolicy.....183

5.1.249 RetentionPolicyAuditLogReadRequest.....184

5.1.250 RetentionPolicyEntry .....185

5.1.251 RetentionPolicyEntryContext.....185

5.1.252 RetentionPolicyEntryFilter .....186

5.1.253 RetentionPolicyEntryScopeType .....186

5.1.254 RetentionPolicyEntryUpdate.....187

5.1.255 RetentionPolicyObjectsReadRequest.....187

5.1.256 RetentionPolicyObjectsReadResponse.....188

5.1.257 RetentionUpdate.....188

5.1.258 Review.....189

5.1.259 ReviewAuditLogReadRequest.....190

5.1.260 ReviewCreate .....190

5.1.261 ReviewCreateRequest.....191

5.1.262 ReviewEntityStub .....192

5.1.263 ReviewOpenRequest .....193

5.1.264 ReviewItem.....193

5.1.265 ReviewItemEntityUpdate.....194

5.1.266 ReviewItemEntry.....195

5.1.267 ReviewItemExportRequest.....195

5.1.268 ReviewItemExportResponse.....196

5.1.269 ReviewItemImportRequest .....196

5.1.270 ReviewItemImportResponse .....197

5.1.271 ReviewItemReadRequest.....197

5.1.272 ReviewItemReadResponse .....198

5.1.273 ReviewItemUpdateRequest.....199

5.1.274 ReviewReadRequest.....199

5.1.275 ReviewReadResponse.....200

5.1.276 ReviewsReadResponse .....200

5.1.277	ReviewStub .....	201
5.1.278	ReviewStubReadRequest.....	202
5.1.279	ReviewStubReadResponse.....	202
5.1.280	ReviewTemplateReadRequest .....	203
5.1.281	ReviewTemplateReadResponse .....	203
5.1.282	ReviewTransferRequest.....	204
5.1.283	ReviewUpdate .....	205
5.1.284	ReviewUpdateRequest.....	206
5.1.285	SessionCloseRequest.....	206
5.1.286	SessionCloseResponse.....	207
5.1.287	SessionOpenOptions.....	207
5.1.288	SessionOpenRequest.....	208
5.1.289	SessionsReadRequest.....	209
5.1.290	SessionsReadResponse.....	209
5.1.291	SignatureDisposition .....	210
5.1.292	SortOrderType .....	210
5.1.293	SessionOpenResponse.....	211
5.1.294	StagedObject.....	211
5.1.295	SystemProperties.....	212
5.1.296	Template.....	213
5.1.297	TemplateEmailProperties .....	214
5.1.298	TemplateInfo .....	215
5.1.299	TemplatePhysicalProperties .....	215
5.1.300	TemplatesReadRequest.....	216
5.1.301	TemplatesReadResponse.....	216
5.1.302	UploadSessionCreateRequest.....	217
5.1.303	UploadSessionCreateResponse.....	217
5.1.304	UploadSessionDeleteRequest.....	218
5.1.305	UploadSessionDeleteResponse.....	218
5.1.306	UploadSessionSaveRequest.....	218
5.1.307	UploadSessionSaveResponse .....	219
5.1.308	UploadSessionUpdateRequest.....	219
5.2	Start page.....	220
5.3	Web.xml configuration.....	221
5.4	Archives .....	221
5.4.2	Archive read.....	222
5.5	Session .....	224
5.5.1	Session open.....	224

5.5.2	Session close.....	225
5.5.3	User sessions read.....	226
5.6	Entity.....	226
5.6.1	Entities read.....	226
5.6.2	Entity public information read.....	231
5.6.3	Entity open.....	233
5.6.4	Entity open for creating.....	234
5.6.5	Entity close.....	235
5.6.6	Entity read.....	235
5.6.7	Entity create.....	238
5.6.8	Creating an entity from an email message.....	242
5.6.9	Entity delete.....	242
5.6.10	Entity update.....	243
5.6.11	Entity status update.....	245
5.6.12	Entity security class update.....	245
5.6.13	Entity classification code update.....	246
5.6.14	Entity retention policy create.....	246
5.6.15	Entity retention policy update.....	247
5.6.16	Entity retention policy update.....	248
5.6.17	Entity retention policy delete.....	249
5.6.18	Entity disposition hold create.....	250
5.6.19	Entity disposition hold delete.....	251
5.6.20	Entity move.....	252
5.6.21	Entity save log read.....	253
5.6.22	Batch entity create.....	254
5.6.23	Batch entity with references create.....	254
5.6.24	Entity property value read.....	255
5.6.25	Entity property value create.....	255
5.6.26	Entity property value update.....	255
5.6.27	Entity property value delete.....	256
5.7	Access right.....	256
5.7.1	Entity access rights read.....	256
5.7.2	Directory entity access rights read.....	258
5.7.3	Entity access right create.....	259
5.7.4	Entity or entity property access right update.....	260
5.7.5	Entity or entity property access right delete.....	261
5.8	Template.....	261
5.8.1	Templates or template read.....	262

5.9 Directory.....268

    5.9.1 Directory entities or directory entity read.....268

    5.9.2 Directory entity members read.....271

    5.9.3 Current user read.....273

    5.9.4 Password update.....274

    5.9.5 User account read.....275

    5.9.6 User account create and update.....275

    5.9.7 User account delete.....275

5.10 Retention.....276

    5.10.1 Entity retention policies or policy read.....276

    5.10.2 Entity retention policy objects read.....277

    5.10.3 Entity retention policy audit log read.....278

5.11 Content objects.....280

    5.11.1 Entity content object read.....280

    5.11.2 Entity content object create.....281

    5.11.3 Content object update.....282

    5.11.4 Entity content object delete.....283

    5.11.5 Entity object move.....284

    5.11.6 Entity object copy.....285

    5.11.7 Entity object management.....286

    5.11.8 Entity object detach.....287

    5.11.9 Opening a content object by parts.....289

    5.11.10 Closing a content object by parts.....289

    5.11.11 Creating a session for uploading content by parts.....289

    5.11.12 Content upload in the session for uploading content by parts.....290

    5.11.13 Saving content in the session for uploading content by parts.....290

    5.11.14 Canceling the session for uploading content by parts.....290

5.12 Authenticity.....291

    5.12.1 Entity authenticity and integrity proofs read.....291

    5.12.2 Reading entity authenticity and integrity proofs created prior to import.....293

5.13 Audit log.....293

    5.13.1 Entity audit log read.....293

    5.13.2 Reading the entity audit log in different formats.....295

5.14 Search.....296

    5.14.1 Entity search.....296

5.15 Reports.....297

    5.15.1 Reports read.....298

5.16 Disposition hold.....298

5.16.1	Entity disposition hold read.....	298
5.16.2	Entity disposition hold audit log read.....	299
5.17	References.....	300
5.17.1	Entity references read.....	300
5.17.2	Entity reference create.....	302
5.17.3	Entity reference update.....	304
5.17.4	Entity reference delete.....	307
5.18	Versioning.....	307
5.18.1	Entity version read.....	308
5.18.2	Entity drafts read.....	310
5.18.3	Entity draft public information read.....	311
5.18.4	Entity draft check out.....	312
5.18.5	Entity draft check in.....	314
5.18.6	Entity draft discard.....	315
5.18.7	Entity draft open.....	316
5.18.8	Entity draft close.....	317
5.18.9	Entity draft read.....	318
5.18.10	Entity draft update.....	319
5.18.11	Entity draft access rights read.....	321
5.18.12	Entity draft access rights read for each directory entity.....	321
5.18.13	Draft access rights create.....	321
5.18.14	Entity draft or draft property access rights update.....	322
5.18.15	Entity draft or draft property access rights delete.....	322
5.18.16	Draft property value read.....	322
5.18.17	Draft property value create.....	323
5.18.18	Draft property value change.....	323
5.18.19	Draft property value delete.....	323
5.19	Import / Export.....	324
5.19.1	Entities export.....	324
5.19.2	Entities import.....	325
5.19.3	Entities export logs read.....	326
5.19.4	Entities import logs read.....	327
5.19.5	Entity export in ASiC format.....	328
5.20	Review.....	329
5.20.1	Reviews read.....	329
5.20.2	Review public information read.....	329
5.20.3	Review open.....	330
5.20.4	Review close.....	330

5.20.5	Review read.....	330
5.20.6	Review page read.....	331
5.20.7	Modifying an Entity on a Review page.....	331
5.20.8	Review create.....	332
5.20.9	Review update.....	332
5.20.10	Review audit log read.....	332
5.20.11	Authenticity evidence read .....	333
5.20.12	Review Save log read .....	333
5.20.13	Review template read.....	333
5.20.14	Review access rights read .....	334
5.20.15	Review access right create .....	334
5.20.16	Review and Review property access right update.....	334
5.20.17	Review and Review property access right delete.....	335
5.20.18	Review entities transfer .....	335
5.21	Deleted / Disposed.....	335
5.21.2	Disposed entity read.....	337
5.21.3	Disposed entity audit log read.....	338
5.21.4	Deleted entities read .....	339
5.21.5	Deleted entity read.....	340
5.21.6	Deleted entity audit log read.....	342
5.22	Legacy archival.....	343
5.22.1	Content object open.....	343
5.22.2	Content object close .....	344
5.22.3	Content object read .....	344
5.22.4	Content object create.....	345
5.22.5	Content object update .....	346
5.22.6	Content object delete.....	347
5.23	User session management.....	348
5.23.1	User sessions collection read.....	348
5.23.2	User session close .....	348
5.23.3	Opened session entities collection read.....	349
5.23.4	Opened session entities close.....	349
5.24	Service load .....	350
5.24.1	Load index .....	350
5.24.2	Response time .....	351
6	TROUBLESHOOTING.....	352
6.1	Problems using IMiS®/Storage Connector Services SOAP.....	352
6.1.1	Bad authorization .....	352

6.1.2	Session timeout .....	353
-------	-----------------------	-----

## TABLE OF IMAGES

Table of images appearing in the manual:

Image 1: IMiS®/Storage Connector Services architecture .....	18
--------------------------------------------------------------	----

## LIST OF TABLES

Below is a list of tables appearing in the manual:

Table 1: Different styles used in the documentation .....	16
Table 2: Abbreviation usage in the documentation .....	17

# 1 INTRODUCTION

## 1.1 About this guide

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

## 1.2 Target audience

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

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

## 1.3 Conventions

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

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

Table 1: Different styles used in the documentation



## 1.4 Abbreviations

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

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

Table 2: Abbreviation usage in the documentation

## 2 GENERAL

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

### 2.1 Integration with applications

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

IMiS®/Storage Connector is built around the Java EE software environment.

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

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

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

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

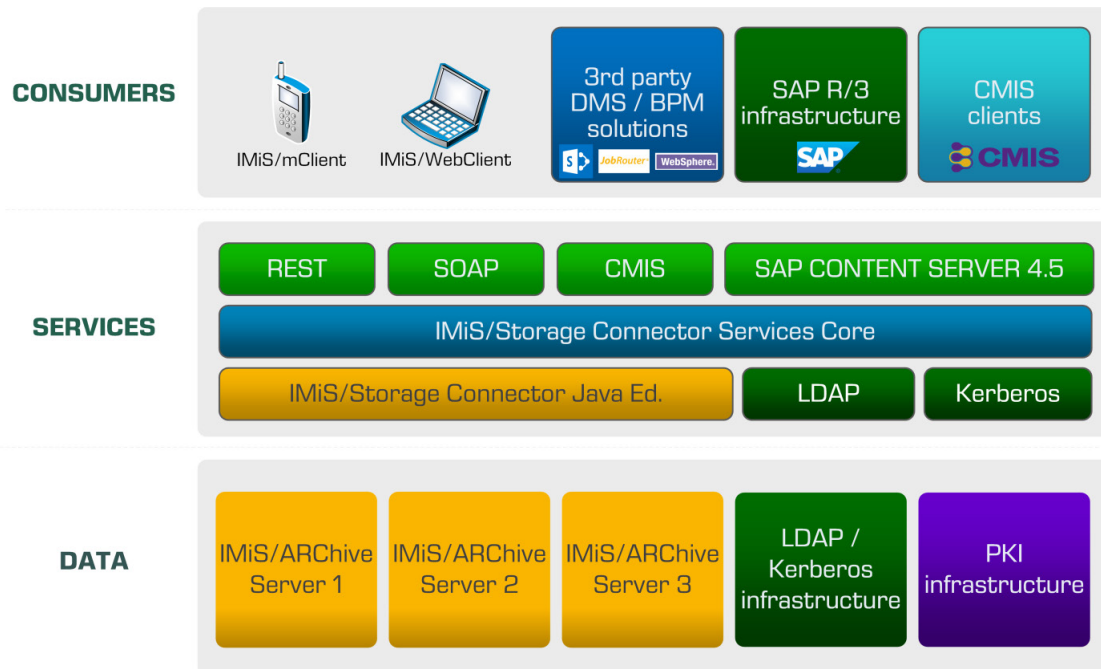


Image 1: IMiS®/Storage Connector Services architecture

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

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

## 2.2 Security

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

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

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

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

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

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

## 2.3 Product versions

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

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

The example of the scheme:

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

The example of installation package names for the REST interface:

*IMiS.StorageConnector.Services.SOAP.9.9.2210.110.war*

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

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

*Example: The RELEASE identifier for a product released in October 2022 will read 2210.*

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

## 2.4 Functionality

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

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

## 2.5 New functionalities in this version

In version 9.9.2210, we have implemented the following new functionalities and improvements to the previous version 9.8.2110 of the IMiS®/Storage Connector Services SOAP module:

### New functionalities:

- Filtering the collection of directory entities with the option of whether the directory entity is enabled and deleted.
  - The elements “Enabled” and “Deleted” have been added to DirectoryEntitiesReadRequest.
- Checking the service load.
  - The operation “GET /load.json” has been added, which returns a value from 0 to 100 that defines the index of the value available.
  - The operation “GET /health” has been added, which returns a response in an amount of time that depends on the service load.
- Validation of the server certificate, which is set as an address in the Proxy mode.

- The element “Staged” has been added in the unstructured storage object “StagedObject”.
- The element “ExactMatch” has been added in the search.
  - The element “ExactMatch” has been added in “EntitySearchRequest”.
- The elements “AvatarContentType” and “AvatarSize” have been added in “DirectoryEntity”.
- The element “CertificateContentType” has been added in “ArchiveCertificateReadResponse”.

#### Improvements:

- Localization of error messages, applying the “Accept-Language” value.
  - “Accept-Language” supports the values “en” and “sl”.
- Improved localization of keys for selecting the value in entity details and templates.
  - “Accept-Language” applies the localization where suitable value keys are returned.
- The elements “Accessed”, “Created” and “Modified” are not required in RetentionPolicy.
- A nillable attribute has been added to “IncludeAvatar”, “PageStart” and “PageSize” in DirectoryEntitiesReadRequest.
- A nillable attribute has been added to “PageStart” and “PageSize” in DirectoryEntitiesReadResponse.
- A nillable attribute has been added to “IncludeAvatar”, “PageStart” and “PageSize” in DirectoryEntityMembersReadRequest.
- The type “Version” has been modified in EntityStub, EntitySearchHitObject, EntityReadRequest, EntityUpdateRequest, EntityDeleteRequest, EntityStubReadRequest, EntityTransferDetailsReadRequest, EntityObjectsReadRequest, EntityObjectReadRequest, EntityObjectOpenRequest, EntityObjectCreateRequest, EntityObjectUpdateRequest, EntityObjectDetachRequest, EntityObjectManageRequest, EntityObjectDeleteRequest, EntityOpenRequest, CheckOutRequest, EntityExportRequest, EntityPropertyReadRequest, EntityPropertyCreateRequest, EntityPropertyUpdateRequest and EntityPropertyDeleteRequest.

- A nillable attribute has been added to “MaxDepth”, “Recursive”, “ACL” and “AccessAll” in ReportRequest.
- The “SecurityClass” definition has been modified in EntitySecurityClassUpdateRequest.
- A nillable attribute has been added to “RangeFrom” and “RangeTo” in EntityObjectReadRequest.
- The types “Version” and “TargetVersion” have been modified in EntityObjectCopyRequest and EntityObjectMoveRequest.
- The type “Position” has been modified in CheckInRequest.
- A nillable attribute has been added to “PageStart” and “PageSize” in ReviewItemReadRequest.
- A nillable attribute has been added to “RangeFrom” and “RangeTo” in ObjectReadRequest.
- A nillable attribute has been added to “PageStart”, “PageSize” and “Closed” in SessionsReadRequest.
- A nillable attribute has been added to the property value in EntityPropertyCreateRequest and EntityPropertyUpdateRequest.
- A nillable attribute has been added to “PageStart” and “PageSize” in CacheEntitiesReadRequest.

## 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: \*
  - Windows 11, 10, 8, 7 SP1, Vista SP2;
  - Windows Server 2022, 2019, 2016, 2012, 2008 R2 SP1;
  - Oracle Linux 9, 8, 7, 6, 5,5;
  - Red Hat Enterprise Linux 9, 8, 7, 6, 5,5;
  - Suse Linux Enterprise Linux 15, 12, 11, 10 SP2;
  - Ubuntu Linux 22.x, 21.x, 20.x, 19.x, 18.x, 17.x, 16.x, 15.x, ...

*Notes:*

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

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

## 4 ADMINISTRATION

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

### 4.1 Installation

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

IMiS®/Storage Connector Services SOAP is available as a WAR package. Installation of the Java package is performed manually and requires the installation of libraries to the appropriate location.

To install the IMiS®/Storage Connector Services, administrator can use the Apache Tomcat server application manager (<https://tomcat.apache.org/tomcat-8.0-doc/manager-howto.html>).

#### 4.1.1 Installation process

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

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

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

## 4.1.2 Archives settings

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

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

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

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

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

*Definition of the configuration: services / config / storage - Attributes*

id	String	Unique identifier of the archive.
name	String	Unique name of the archive.
description	String	A description of the archive (optional).
host	String	The address of the archive server.
port	Integer	Archive server port.
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).
defaultEntityType	String	Entity identifier type (optional; default value: ID192). The set of types: - ID192 - ID265.
maxSessionsPerUser	Integer	Maximum number of the sessions per user (optional; default value: 10).
maxStorageSessionsPerUser	Integer	Maximum number of sessions per user from the service to the archive (optional; default value: 10).
entityCollectionPageCount	Integer	The number of the entity collection pages. (optional).
entityCollectionPageSize	Integer	The size of the entity collection page (optional).
defaultObjectRangeSize	Long	Default response size when reading a part of the object (optional, default value: 2 MB).
signingCertificateAlias	String	The alias name in the keyStore which is used for XML signatures when exporting entities (optional).
signingCertificateAliasPassword	String	The alias password which is used for XML signatures when exporting entities (optional).
workDirectory	String	Absolute path to the directory which is used for importing and exporting entities (optional, default value is the temporary directory).
maxIOPayloadSize	Integer	The required maximum size of data used to communicate with the archive (optional).
deferredCollectionFiltering	Boolean	Deferred collection filtering specifies that the elements in the collection are loaded on read (optional, default value: true). IMiS®/ARCHIVE Server 9.10 or higher.
objectStagingEnabled	Boolean	Specifies whether object staging is enabled (optional, default value: true).
defaultObjectStage	String	Default profile for object staging (optional).

maxCollectionSize	Integer	Defines the maximum number of elements that are returned in the reply when reading a collection (default value: 100000).
bufferSize	Integer	The size of the temporary buffer for reading object content (optional).
collectionsIdleTimeout	Integer	Defines the time before closing collections in ms (optional; default value: 72000000). After a specific inactivity period the collection will close automatically.
defaultObjectStagingIdEncoding	String	Encoding object identifiers (optional; default value: BASE64). The set of values: - BASE16, - BASE64, - BASE85.
defaultObjectStagingIdType	String	Type of object identifier (optional; default value: ID192). The set of values: - ID192, - ID265.
maxConnectionsPerArchive	Integer	Defines the maximum number of sockets to the archive (optional).
type	String	Archive configuration type (optional; default value: ARCHIVE). The set of values: - ARCHIVE, - PROXY.  By defining the PROXY type, the soapEndpoint attribute represents the SOAP service address to which all requests will be sent.
soapEndpoint	String	Defines the SOAP service address to which the requests will be sent. This value is required if the configuration type is PROXY. Example: <a href="https://apps.imis.eu/isc/soap">https://apps.imis.eu/isc/soap</a> .
allowSessionOpenAddress	Boolean	Defines whether sending the address when opening a session is allowed (optional; default value: true).
restrictSessionToSingleAddress	Boolean	Defines whether session use is restricted to the IP address with which it was opened (optional; default value: false).

*Definition of the configuration: services/config/storage/security*

entry	String	The unique identifier of the directory entity to which the permission applies.
-------	--------	--------------------------------------------------------------------------------

*Definition of the configuration: services/config/storage/security*

sessionManagement	Boolean	Specifies whether the permission to read and manage the sessions of other users is enabled (default value: false).
-------------------	---------	--------------------------------------------------------------------------------------------------------------------

*Definition of the configuration: services/config/storage/address*

allow	String	Collection of addresses that can access the service.
deny	String	Collection of addresses that cannot access the service.

*Definition of the configuration: services/loadMonitor/availability attributes*

details	Boolean	Defines whether the details of the load index are returned.
maxHealthResponseMs	Integer	The maximum response time in determining the service load.
securityToken	String	The access key to checking the service load (optional).

*Definition of the configuration: services/loadMonitor/availability/index attributes*

id	String	<p>Unique identifier of the index. The set of values:</p> <ul style="list-style-type: none"> <li>- CPU_USAGE_5S,</li> <li>- CPU_USAGE_10S,</li> <li>- CPU_USAGE_30S,</li> <li>- CPU_USAGE_1M,</li> <li>- CPU_USAGE_5M,</li> <li>- CPU_USAGE_30M,</li> <li>- CPU_USAGE_1H,</li> <li>- MEMORY_USAGE_5S,</li> <li>- MEMORY_USAGE_10S,</li> <li>- MEMORY_USAGE_30S,</li> <li>- MEMORY_USAGE_1M,</li> <li>- MEMORY_USAGE_5M,</li> <li>- MEMORY_USAGE_30M,</li> <li>- MEMORY_USAGE_1H,</li> <li>- REQUEST_COUNT_5S,</li> <li>- REQUEST_COUNT_10S,</li> <li>- REQUEST_COUNT_30S,</li> <li>- REQUEST_COUNT_1M,</li> <li>- REQUEST_COUNT_5M,</li> <li>- REQUEST_COUNT_30M,</li> <li>- REQUEST_COUNT_1H,</li> <li>- REQUEST_DURATION_5S,</li> <li>- REQUEST_DURATION_10S,</li> <li>- REQUEST_DURATION_30S,</li> <li>- REQUEST_DURATION_1M,</li> <li>- REQUEST_DURATION_5M,</li> <li>- REQUEST_DURATION_30M,</li> <li>- REQUEST_DURATION_1H.</li> </ul>
weight	Integer	Defines the weight when calculating the load index.
min	Integer	Defines the minimum value of the number of requests when calculating the load index.

*Example of the configuration: config.xml*

```
<services>
  <config>
    <storage
      id="IARC"
      defaultEntityIdType="ID256"
      host="iarc.imis.si:16807"
      name="iarc.imis.si"
      description="Corporate archive server"
      idleTimeout="3600000" />
    <storage
      id="IARC01"
      defaultEntityIdType="ID256"
      name="iarc01.imis.si"
      description="Corporate archive server"
      host="iarc01.imis.si:16807"
      idleTimeout="3600000" >
      <security>
        <entry sessionManagement="true">admin</entry>
      </security>
      <address>
        <allow>127.0.0.1</allow>
        <allow>127.0.0.2</allow>
        <deny>127.0.0.3</deny>
        <deny>127.0.0.4</deny>
      </address>
    </storage>
  </config>
  <loadMonitor>
    <availability details="true" maxHealthResponseMs="5000" securityToken="5f0884732d88">
      <index id="CPU_USAGE_30S" weight="1"/>
      <index id="MEMORY_USAGE_30S" weight="1"/>
      <index id="REQUEST_COUNT_5S" weight="5" min="1"/>
      <index id="REQUEST_DURATION_5s" weight="1"/>
    </availability>
  </loadMonitor>
</services>
```

## 4.2 Start up and shut down

IMiS®/Storage Connector Services SOAP start through the start of the Apache Tomcat server. The interface shuts down by the Apache Tomcat server shut down.

## 4.3 Upgrading

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



### 4.3.1 Upgrading process

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

When using the project configuration:

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

When using the path to the configuration file:

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

## 4.4 Removal

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

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

## 5 OBJECTS

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

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

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

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

Characteristics of the SOAP interface for accessing web services:

- Standardized.
- Language, platform and transport independent.
- Makes use of different data transfer modes (synchronous and asynchronous HTTP/HTTPS).
- It provides a standard implementation of data integrity and data privacy and a high security level. In addition to SSL support, SOAP also supports WS-Security, which adds some enterprise security features.
- Provides two-phase commit across distributed transactional environments. Internet applications generally don't need this level of transactional reliability, while enterprise applications sometimes do.
- Build-in error handling. SOAP has retry logic build in and provides reliability.

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

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

## 5.1 Types

### 5.1.1 AdministrationAccess

Object provides information on archive administration access.

*Scheme*

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

*Parameters*

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

### 5.1.2 ArchiveCertificateReadRequest

Object provides request to read archive certificate.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
--------------	--------	---------------------------------------

### 5.1.3 ArchiveCertificateReadResponse

Object provides response to archive certificate read.

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Certificate	base64Binary	Archive certificate.
CertificateContentType	String	Archive certificate type.

### 5.1.4 AccessMode

Object provides information on access mode type.

#### *Scheme*

```
<xsi:simpleType name="AccessMode">
  <xsi:annotation>
    <xsi:documentation>Represents an access mode enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Read"/>
    <xsi:enumeration value="ReadWrite"/>
  </xsi:restriction>
</xsi:simpleType>
```

#### *Parameters*

Read	Enumerator.
ReadWrite	Enumerator.

## 5.1.5 Account

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

### *Scheme*

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

### *Parameters*

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

## 5.1.6 AccountChangePasswordRequest

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

### *Scheme*

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

*Parameters*

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

**5.1.7 AccountChangePasswordResponse**

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

*Scheme*

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

**5.1.8 AccountDataDeleteRequest**

The object provides information on the request to delete the user content of the directory entity of the current user.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the user session (token).

### 5.1.9 AccountDataDeleteResponse

The object provides information on the response to the request to delete the user content of the directory entity of the current user.

#### *Scheme*

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

### 5.1.10 AccountDataReadRequest

The object provides information on the request to read the user content of the directory entity of the current user.

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the user account data.

### 5.1.11 AccountDataReadResponse

The object provides information on the response to the request to read the user content of the directory entity of the current user.

#### *Scheme*

```
<xsi:complexType name="AccountDataReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountDataRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Content" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

ContentType	String	The content type.
Content	base64Binary	The content.
Size	long	The size of the user account data.

**5.1.12 AccountDataUpdateRequest**

The object provides information on the response to the request to change the user content of the directory entity of the current user.

*Scheme*

```
<xsi:complexType name="AccountDataUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountDataUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Content" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the user account data.
ContentType	String	The content type.
Content	base64Binary	The content.

**5.1.13 AccountDataUpdateResponse**

The object provides information on the response to the request to change the user content of the directory entity of the current user.

*Scheme*

```
<xsi:complexType name="AccountDataUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an AccountDataUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```



*Parameters*

ContentType	String	The content type.
Size	long	The size of the user account data.

**5.1.14 AccountReadRequest**

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

*Scheme*

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

*Parameters*

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

**5.1.15 AccountReadResponse**

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

*Scheme*

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

*Parameters*

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

## 5.1.16 ACL

Object provides response to the information on current user directory entity read.

### Scheme

```
<xsi:complexType name="ACL">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a acl properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EntityACLEntry" type="tns:EntityACLEntry" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PropertyACL" type="tns:PropertyACL" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.17 Archive

Object provides information on archive server.

### Scheme

```
<xsi:complexType name="Archive">
  <xsi:annotation>
    <xsi:documentation>Represents a ArchiveRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="Host" type="xsi:string"/>
    <xsi:element name="Capabilities" type="tns:ArchiveCapabilities" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ServiceName" type="xsi:string"/>
    <xsi:element name="ServiceVersion" type="xsi:long"/>
    <xsi:element name="AdministrationAccess" type="tns:AdministrationAccess"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string" use="required"/>
  <xsi:attribute name="auditLogRequired" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

### Parameters

id	String	The unique identifier of the archive server.
Name	String	The name of the archive server.
Description	String	A description of the archive server.
Host	String	The address of the archive server.
Capabilities	<a href="#">ArchiveCapabilities</a>	The information on user roles.
Features	<a href="#">ArchiveFeatures</a>	Object provides information on entity content objects management.

EffectiveRights	<a href="#">EntityRights</a>	Object provides the effective rights of user (optional).														
Secure	Boolean	Specifies whether the iarc protocol is used.														
ServiceName	String	The title of the archive service.														
ServiceVersion	Long	The version of the archive service. The set of values: <table border="1" data-bbox="820 457 1318 793"> <thead> <tr> <th>Value</th> <th>Version</th> </tr> </thead> <tbody> <tr> <td>590</td> <td>9</td> </tr> <tr> <td>670</td> <td>9.7</td> </tr> <tr> <td>685</td> <td>9.8</td> </tr> <tr> <td>690</td> <td>9.9</td> </tr> <tr> <td>695</td> <td>9.10.1904</td> </tr> <tr> <td>700</td> <td>9.10.1910</td> </tr> </tbody> </table>	Value	Version	590	9	670	9.7	685	9.8	690	9.9	695	9.10.1904	700	9.10.1910
Value	Version															
590	9															
670	9.7															
685	9.8															
690	9.9															
695	9.10.1904															
700	9.10.1910															
AdministrationAccess	<a href="#">AdministrationAccess</a>	Object defines administration access.														
auditLogRequired	Boolean	Specifies whether the reason is required.														

## 5.1.18 ArchiveCapabilities

Object provides information on user roles.

### *Scheme*

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

### *Parameters*

auditQuery	Boolean	Allows access to the audit log.
contentManagement	Boolean	Allows content management.
draftManagement	Boolean	Allows draft management.
importExport	Boolean	Allows import and export of the entities.

reports	Boolean	<p>The role allows:</p> <ul style="list-style-type: none"> <li>- Display system reports on export and import.</li> <li>- Display system reports on user access, folders, documents, content and retention policies.</li> <li>- Print information on classes, folders and documents.</li> <li>- Print classes and folders.</li> </ul>
---------	---------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## 5.1.19 ArchiveFeatures

Object provides information on entity content objects management.

### *Scheme*

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

### *Parameters*

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

## 5.1.20 ArchiveConfig

Object provides information on single archive.

### *Scheme*

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

*Parameters*

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

**5.1.21 ArchiveReadRequest**

Object provides request to read the archive.

*Scheme*

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

*Parameters*

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

**5.1.22 ArchiveReadResponse**

Object provides response to the archive read.

*Scheme*

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

*Parameters*

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

### 5.1.23 ArchiveSession

Object provides information on user session.

#### *Scheme*

```
<xsi:complexType name="AuditLogEvent">
  <xsi:annotation>
    <xsi:documentation>Defines an archive session object type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Username" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Impersonate" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="LastActive" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ComputerName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Address" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Account" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Status" type="tns:ArchiveSessionStatusType" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

Id	String	The unique identifier of the session.
Username	String	The name of the user.
Impersonate	String	The username of the user that the session is impersonating (optional).
LastActive	dateTime	Date and time of the last active session.
ComputerName	String	The unique name of the computer device
Address	String	The address of device.
Account	<a href="#">DirectoryEntityInfo</a>	User profile.
Status	<a href="#">ArchiveSessionStatusType</a>	Session status.

### 5.1.24 ArchiveSessionStatusType

Object provides information on status type of the session.

#### *Scheme*

```
<xsi:simpleType name="ArchiveSessionStatusType">
  <xsi:annotation>
    <xsi:documentation>Represents an archive session status raw type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Current"/>
    <xsi:enumeration value="Active"/>
    <xsi:enumeration value="Closed"/>
  </xsi:restriction>
</xsi:simpleType>
```

*Parameters*

Current	Enumerator	Current Session.
Active	Enumerator	Active session.
Closed	Enumerator	Closed session.

**5.1.25 ArchivesReadRequest**

Object provides request to read the archives.

*Scheme*

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

**5.1.26 ArchivesReadResponse**

Object provides response to the archives read.

*Scheme*

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

*Parameters*

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

## 5.1.27 AuditLogEvent

Object provides information on audit log event.

### *Scheme*

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

### *Parameters*

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



## 5.1.28 AuditLogEventType

Object provides information on audit log event type.

### Scheme

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

### Parameters

Invalid	Enumerator
EntityCreate	Enumerator
EntityOpenReadOnly	Enumerator
EntityOpenReadWrite	Enumerator
EntitySave	Enumerator
EntityMove	Enumerator
EntityDelete	Enumerator
AuditLogQuery	Enumerator
ConfigurationChange	Enumerator

PropertyValueChange	Enumerator
ACLEntryChange	Enumerator
PhysicalEntityChange	Enumerator
SecurityClassChange	Enumerator
StatusChange	Enumerator
RetentionChange	Enumerator
ContentPartMove	Enumerator
ContentPartOpenReadOnly	Enumerator
ContentPartOpenReadWrite	Enumerator
ContentPartCreate	Enumerator
ContentPartDelete	Enumerator
ContentPartSave	Enumerator
ContentPartMetadataChange	Enumerator
EntityDisposed	Enumerator
EntityPermanent	Enumerator
EntityTransferred	Enumerator
EntityReviewed	Enumerator
EntityCheckOut	Enumerator
EntityCheckIn	Enumerator
EntityDiscard	Enumerator
EntityTemplateSwitch	Enumerator

## 5.1.29 AuditLogRawReadRequest

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

### *Scheme*

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

*Parameters*

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

**5.1.30 AuditLogRawReadResponse**

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

*Scheme*

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

*Parameters*

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

**5.1.31 AuditLogRawType**

Object provides information on the audit log type.

*Scheme*

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

*Parameters*

CSV	Enumerator.
XML	Enumerator.

## 5.1.32 AuditLogReadResponse

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

### Scheme

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

### Parameters

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

## 5.1.33 AuditLogReadOptions

Object provides information on entity audit log options read.

### Scheme

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

*Parameters*

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

**5.1.34 AuditLogStatistic**

Object provides information on audit log statistic.

*Scheme*

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

*Parameters*

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

**5.1.35 AuditLogStatisticDay**

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

*Scheme*

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

*Parameters*

Date	dateTime	Date.
Events	unsignedInt	Number of events.

**5.1.36 AuditLogStatisticUser**

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

*Scheme*

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

*Parameters*

Date	dateTime	Date.
Users	unsignedInt	Number of users.

### 5.1.37 Authentication

Object provides information on authentication.

*Scheme*

```
<xsi:complexType name="Authentication">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of authentication</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Username" type="xsi:string"/>
    <xsi:element name="Password" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="LDAPPassword" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Kerberos5ServiceTicket" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Username	String	The user name.
Password	String	The password (optional).
LDAPPassword	String	LDAP password (optional).
Kerberos5ServiceTicket	base64Binary	Kerberos5 service ticket (optional).

### 5.1.38 BatchEntity

Object provides information on entity create.

*Scheme*

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

```

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

```

### Parameters

Title	String	The title of the entity.
Template	String	The unique identifier of the entity template.
Description	String	Entity description (optional)
Id	<a href="#">EntityId</a>	The unique identifier of the entity (optional).
ClassificationCode	String	The canonical form of the full classification code.
ChildClassificationCodeMode	<a href="#">ChildClassificationCodeMode</a>	Child entity classification code generation (optional).
Owner	String	The owner of the entity (optional).
Significance	<a href="#">InheritedStringPropertyUpdate</a>	The significance of the entity (optional).
ExternalId	String []	The external identifiers of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
Retention	<a href="#">RetentionUpdate</a>	Retention policies and disposition holds (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity properties (optional).
EmailProperties	<a href="#">EmailPropertiesUpdate</a>	Email properties (optional). Compatibility: IMiS®/ARChive Server 9.10.1910 or lower.
Email	<a href="#">EntityCreateEmail</a>	Email content (optional). Compatibility: IMiS®/ARChive Server 9.10.1910 or lower.



PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties (optional).
Object	<a href="#">ObjectCreate</a> []	Entity object create.
ObjectTransfer	<a href="#">ObjectTransfer</a> []	Collection of objects for transfer (optional).
SecurityClass	<a href="#">InheritedStringPropertyUpdate</a>	The security class of the entity (optional).
Status	<a href="#">InheritedStringPropertyUpdate</a>	The status of the entity (optional).

### 5.1.39 BatchEntityCreate

Object provides information on entity create.

#### *Scheme*

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

#### *Parameters*

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

### 5.1.40 BatchEntityCreateRequest

Object provides information on entity create.

#### *Scheme*

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

*Parameters*

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

**5.1.41 BatchEntityCreateResponse**

Object provides information on entity create.

*Scheme*

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

*Parameters*

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

**5.1.42 BatchEntityRefCreate**

Object provides information on entity reference create.

*Scheme*

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

*Parameters*

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

### 5.1.43 BatchEntityRefCreateRequest

Object provides information on entity reference create.

*Scheme*

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

*Parameters*

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

### 5.1.44 BatchEntityRefCreateResponse

Object provides information on entity reference create.

*Scheme*

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

*Parameters*

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

## 5.1.45 BinaryValue

Object provides information on “Binary” value type.

### Scheme

```
<xsi:complexType name="BinaryValue">
  <xsi:annotation>
    <xsi:documentation>>Represents binary value type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Content" type="xsi:base64Binary"
      xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
      xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Extension" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Content	base64Binary	Content.
ContentType	String	Content type.
Extension	String	Extension of the content object file (optional).
Size	long	The content object size.

## 5.1.46 CacheClearRequest

The object provides information on the request to close currently opened entities.

### Scheme

```
<xsi:complexType name="CacheClearRequest">
  <xsi:annotation>
    <xsi:documentation>>Represents an CacheClear operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="SessionId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entity" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Review" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Draft" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
SessionId	String	The session identifier (optional).
Entity	String []	The collection of temporary entity identifiers (optional).
Review	String []	The collection of temporary review identifiers (optional).
Draft	String []	The collection of temporary draft identifiers (optional).

### 5.1.47 CacheClearResponse

Object provides response to the information on closing currently opened entities.

#### *Scheme*

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

### 5.1.48 CacheEntitiesReadRequest

The object provides information on the request to read currently opened entities.

#### *Scheme*

```
<xsi:complexType name="CacheEntitiesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an CacheEntitiesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="SessionId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageStart" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Field" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	The unique identifier of the session.
SessionId	String	The session identifier (optional).
PageStart	unsignedShort	The page index (optional).
PageSize	unsignedShort	The size of the page (optional).
Field	String []	Defines the fields in the reply (optional).

### 5.1.49 CacheEntitiesReadResponse

Object provides response to the information on reading currently opened entities.

#### *Scheme*

```
<xsi:complexType name="CacheEntitiesReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an CacheEntitiesRead operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Entity" type="tns:Entity" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Entity	<a href="#">Entity</a> []	The collection of open entities.
PageStart	unsignedShort	The page index (optional).
PageSize	unsignedShort	The size of the page (optional).
Size	long	The size of the collection.

**5.1.50 Category**

Object provides information on category.

*Scheme*

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

*Parameters*

name	String	Category name.
size	unsignedInt	Category size.

**5.1.51 CollectionReadRequest**

Object provides request to read the collection.

*Scheme*

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

*Parameters*

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

**5.1.52 CollectionSort**

Object provides the sort order of the collection.

*Scheme*

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

*Parameters*

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

## 5.1.53 ContentOptions

Object provides information on entity content properties.

### Scheme

```
<xsi:complexType name="ContentOptions">
  <xsi:annotation>
    <xsi:documentation>Represents a content options</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Label" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="containerId" type="xsi:string"/>
  <xsi:attribute name="appendOnly" type="xsi:boolean"/>
  <xsi:attribute name="includedInAIP" type="xsi:boolean"/>
  <xsi:attribute name="multiValue" type="xsi:boolean"/>
  <xsi:attribute name="public" type="xsi:boolean"/>
  <xsi:attribute name="readOnly" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCreate" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCheckIn" type="xsi:boolean"/>
  <xsi:attribute name="required" type="xsi:boolean"/>
  <xsi:attribute name="searchable" type="xsi:boolean"/>
  <xsi:attribute name="signatureDisposition" type="tns:SignatureDisposition"/>
  <xsi:attribute name="versionable" type="xsi:boolean"/>
</xsi:complexType>
```

### Parameters

EffectiveRights	<a href="#">PropertyRights</a>	Effective rights (optional).
Label	String	The content label.
Description	String	The description of the content.
containerId	String	The unique identifier of additional entity content object container (optional).
appendOnly	Boolean	The content value can only append.
includedInAIP	Boolean	The content value is part of the archival information package.
multiValue	Boolean	The content has multiple values.
Public	Boolean	Specifies whether the content is public.
readOnly	Boolean	Specifies whether the content is read-only.
readOnlyAfterCreate	Boolean	Specifies whether the content is read-only after check in.
readOnlyAfterCheckIn	Boolean	Specifies whether the content is read-only after create.
required	Boolean	The content is required.
searchable	Boolean	The content value is searchable.
signatureDisposition	<a href="#">SignatureDisposition</a>	Status of the digitally signed content.
versionable	Boolean	Specifies whether the content is versionable.



### 5.1.54 CheckInRequest

Object provides request to check in a draft.

*Scheme*

```
<xsi:complexType name="CheckInRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a CheckIn operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Position" type="xsi:unsignedShort" nillable="true"/>
    <xsi:element name="Comment" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.												
Id	<a href="#">EntityId</a>	The unique identifier of the entity.												
Position	unsignedShort	The position of the version. The set of values: <table border="1" data-bbox="649 993 1369 1285"> <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>3<sup>rd</sup> level (e.g. 2.1.1)</td> </tr> <tr> <td>3</td> <td>4<sup>th</sup> level (e.g. 2.1.1.1)</td> </tr> <tr> <td>null</td> <td>Overwrite current version.</td> </tr> </tbody> </table>	Value	Description	0	Major (e.g. 2)	1	Minor (e.g. 2.1)	2	3 <sup>rd</sup> level (e.g. 2.1.1)	3	4 <sup>th</sup> level (e.g. 2.1.1.1)	null	Overwrite current version.
Value	Description													
0	Major (e.g. 2)													
1	Minor (e.g. 2.1)													
2	3 <sup>rd</sup> level (e.g. 2.1.1)													
3	4 <sup>th</sup> level (e.g. 2.1.1.1)													
null	Overwrite current version.													
Comment	String	Comment to the version (optional).												
Reason	String	The reason for entity check-in.												

### 5.1.55 CheckOutRequest

Object provides request to create a draft.

*Scheme*

```
<xsi:complexType name="CheckOutRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a CheckOut operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity check-out.

**5.1.56 ChildClassificationCodeMode**

Object provides the child entity classification code generation type.

*Scheme*

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

*Parameters*

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

**5.1.57 DeletedEntitiesReadRequest**

Object provides request to read deleted entities.

*Scheme*

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

*Parameters*

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

**5.1.58 DeletedEntitiesReadResponse**

Object provides response to the request to read deleted entities.

*Scheme*

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

*Parameters*

DeletedEntity	<a href="#">DeletedEntity</a> []	The collection of deleted entities.
PageStart	unsignedInt	The beginning of the page (optional).
PageSize	unsignedInt	The size of the page (optional).
Size	long	The size of the deleted entities collection.
Handle	String	Collection handle.

## 5.1.59 DeletedEntity

Object provides information on deleted entity.

### Scheme

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

### Parameters

Agent	<a href="#">DirectoryEntityInfo</a>	Directory entity, which deleted the entity.
ClassificationCode	String	The canonical form of the full classification code.
Container	Boolean	Specifies whether an entity can contain child entities.
ChildCount	long	The number of child entities (optional).
Deleted	dateTime	Date and time of deletion.
Description	String	A description of the deleted entity.
Id	String	The unique identifier of deleted entity.
PublicClassificationCode	String	Entity classification code in the classification scheme.
Reason	String	The reason for entity deletion.
Reference	String	The identifier of the linked entity.
Title	String	The title of the entity.
Type	<a href="#">EntityType</a>	The type of the entity.

## 5.1.60 DeletedEntityReadRequest

Object provides request to read deleted entity.

### *Scheme*

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

### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of deleted entity.

## 5.1.61 DeletedEntityReadResponse

Object provides response to the request to read deleted entity.

### *Scheme*

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

### *Parameters*

DeletedEntity	<a href="#">DeletedEntity</a>	Deleted entity.
---------------	-------------------------------	-----------------

## 5.1.62 DirectoryEntityMembersReadRequest

Object provides request to read the directory entity group members.

### Scheme

```
<xsi:complexType name="DirectoryEntityMembersReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a DirectoryEntityMembersRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="IncludeAvatar" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Enabled" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Deleted" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

### 5.1.63 DirectoryEntity

Object provides information on directory entity.

*Scheme*

```
<xsi:complexType name="DirectoryEntity">
  <xsi:annotation>
    <xsi:documentation>Represents a directory entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="FirstName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="LastName" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Email" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SecurityClassLevel" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Type" type="tns:DirectoryEntityType"/>
    <xsi:element name="Deleted" type="xsi:boolean"/>
    <xsi:element name="Enabled" type="xsi:boolean"/>
    <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="CreatedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ModifiedBy" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Avatar" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="AvatarContentType" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AvatarSize" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Alias" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Groups" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

FirstName	String	The name of the directory entity (optional).
LastName	String	The last name of the directory entity (optional).
Description	String	A description of the directory entity (optional).
Email	String	Email address of the directory entity (optional).
SecurityClassLevel	String	The security class of the directory entity (optional).
Type	<a href="#">DirectoryEntityType</a>	Directory entity type.
Id	String	The unique identifier of the directory entity.
Deleted	Boolean	Specifies whether the directory entity is deleted.

Enabled	Boolean	Specifies whether the directory entity is enabled.
Created	DateTime	Date and time of the directory entity creation.
CreatedBy	<a href="#">DirectoryEntityInfo</a>	The user who created the directory entity.
Modified	DateTime	Date and time of the directory entity update (optional).
ModifiedBy	<a href="#">DirectoryEntityInfo</a>	The user who last modified the directory entity.
Avatar	base64Binary	The image of the user (optional).
AvatarContentType	String	User avatar type (optional).
AvatarSize	long	User avatar size (optional).
Alias	String []	Collection of directory entity aliases.
Groups	<a href="#">DirectoryEntityInfo</a> []	Collection of groups of which the directory entity is a member.

### 5.1.64 DirectoryEntityInfo

Object provides information on directory entity.

*Schema*

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



*Parameters*

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

**5.1.65 DirectoryEntityMembership**

The object defines the membership type of the directory entity.

*Scheme*

```
<xsi:simpleType name="DirectoryEntityMembership">
  <xsi:annotation>
    <xsi:documentation>Represents a directory entity membership
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Explicit"/>
  </xsi:restriction>
</xsi:simpleType>
```

*Parameters*

Explicit	Membership is mentioned explicitly in this directory entity.
----------	--------------------------------------------------------------

**5.1.66 DirectoryEntityType**

Object provides information on directory entity type.

*Scheme*

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

*Parameters*

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

## 5.1.67 DirectoryEntitiesReadRequest

Object provides request to read the directory entities.

### Scheme

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

### Parameters

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

## 5.1.68 DirectoryEntitiesReadResponse

Object provides response to the request to read directory entities.

### Scheme

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

### Parameters

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

## 5.1.69 DispositionHold

Object provides information on entity disposition hold.

### Scheme

```
<xsi:complexType name="DispositionHold">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a disposition hold</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Accessed" type="xsi:dateTime"/>
    <xsi:element name="Modified" type="xsi:dateTime"/>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Reason" type="xsi:string"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

Created	DateTime	Date and time of the entity disposition hold creation.
Accessed	DateTime	Date and time of the entity disposition hold access.
Modified	DateTime	Date and time of the entity disposition hold update.
Name	String	The name of the entity disposition hold.
Reason	String	The reason for the entity disposition hold.
Creator	String	The author of the entity disposition hold.
Description	String	A description of the entity disposition hold (optional).
id	String	The unique identifier of the entity disposition hold (optional).

**5.1.70 DispositionHoldAuditLogReadRequest**

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

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the entity disposition hold.

**5.1.71 DispositionHoldsReadRequest**

Object provides request to read the entity disposition holds.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the disposition hold.

**5.1.72 DispositionHoldsReadResponse**

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

*Scheme*

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

*Parameters*

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

**5.1.73 Draft**

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

*Scheme*

```
<xsi:complexType name="Draft">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an draft</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:DraftStub">
      <xsi:sequence>
        <xsi:element name="EmailProperties" type="tns:EmailProperties" minOccurs="0"
maxOccurs="1"/>
        <xsi:element name="PhysicalProperties" type="tns:PhysicalProperties" minOccurs="0"
maxOccurs="1"/>
        <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

*Parameters*

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

### 5.1.74 DraftDiscardRequest

Object provides request to discard a draft.

#### Scheme

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

#### Parameters

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

### 5.1.75 DraftDiscardResponse

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

#### Scheme

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

### 5.1.76 DraftOpenRequest

Object provides request to open the entity draft.

#### Scheme

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the entity draft.
EditMode	Boolean	Specifies whether the entity draft is open in edit mode.
Reason	String	The reason for entity draft open (optional).

**5.1.77 DraftReadRequest**

Object provides request to read the draft.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity draft.
Reason	String	The reason for entity draft open (optional).

**5.1.78 DraftReadResponse**

Object provides response to the request to read entity draft.

*Scheme*

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

*Parameters*

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

## 5.1.79 DraftsReadResponse

Object provides response to the request to read entity drafts.

### *Scheme*

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

### *Parameters*

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



## 5.1.80 DraftStub

Object provides public information on entity draft.

### Scheme

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

### Parameters

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

Property	<a href="#">Property</a> []	Entity draft properties (optional).
Id	String	The unique identifier of the entity draft.
SourceId	String	The identifier of the entity from which the draft was made.

### 5.1.81 DraftStubReadRequest

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

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the entity draft.

### 5.1.82 DraftStubReadResponse

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

#### *Scheme*

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

#### *Parameters*

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

### 5.1.83 DraftUpdate

Operation updates an entity draft.

#### *Scheme*

```
<xsi:complexType name="DraftUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating draft</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Title" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"
nillable="true"/>
    <xsi:element name="Property" type="tns:PropertyUpdate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PhysicalProperties" type="tns:PhysicalPropertiesUpdate"
minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

Title	String	The title of the entity draft (optional).
Description	String	A description of the entity draft (optional).
Owner	String	The owner of the entity draft (optional).
Keyword	String []	Keywords of the entity draft (optional).
Category	String []	The categories of the entity draft. (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity draft properties (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties (optional).

### 5.1.84 DraftUpdateRequest

Object provides request to update the entity draft.

#### *Scheme*

```
<xsi:complexType name="DraftUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a DraftUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="DraftUpdate" type="tns:DraftUpdate"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity draft.
DraftUpdate	<a href="#">DraftUpdate</a>	Object provides request to update the entity draft
Reason	String	The reason for entity draft update (optional).

**5.1.85 EffectiveRightsReadRequest**

Object provides request to read the effective rights.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity, entity draft or review (optional).
Subject	String	The unique identifier of the directory entity (optional).

**5.1.86 EffectiveRightsReadResponse**

Object provides response to the request to read effective rights.

*Scheme*

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

*Parameters*

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

## 5.1.87 EmailProperties

Object provides information on email properties.

### *Scheme*

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

### *Parameters*

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

## 5.1.88 EmailPropertiesUpdate

Object updates the email properties.

### *Scheme*

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

### *Parameters*

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

## 5.1.89 EntitiesReadRequest

Object provides request to read the entities.

### Scheme

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

### Parameters

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

## 5.1.90 EntitiesReadResponse

Object provides response to the request to read entities.

### Scheme

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

### Parameters

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

## 5.1.91 Entity

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

### Scheme

```
<xsi:complexType name="Entity">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:EntityStub">
      <xsi:sequence>
        <xsi:element name="EmailProperties" type="tns:EmailProperties" minOccurs="0"
maxOccurs="1"/>
        <xsi:element name="PhysicalProperties" type="tns:PhysicalProperties"
minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Object" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="Transfer" type="tns:EntityTransferDetails" minOccurs="0"
maxOccurs="1"/>
        <xsi:element name="HasSaveLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Mode" type="tns:AccessMode" minOccurs="0" maxOccurs="1"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```



*Parameters*

EmailProperties	<a href="#">EmailProperties</a>	Email properties (optional).
PhysicalProperties	<a href="#">PhysicalProperties</a>	The physical content properties (optional).
Object	<a href="#">ObjectItem</a> []	Entity object (optional).
Transfer	<a href="#">EntityTransferDetails</a>	The entity details created prior to entity import (optional).
HasSaveLog	Boolean	Specifies whether a report on saving the entity exists.
Handle	String	The unique identifier of the open entity.
Mode	<a href="#">AccessMode</a>	Defines the mode of accessing the entity.

**5.1.92 EntityACLDeleteEntryRequest**

Object provides request to delete the entity access right.

*Scheme*

```
<xsi:complexType name="EntityACLDeleteEntryRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLDeleteEntry operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="EntryId" type="xsi:string"/>
    <xsi:element name="PropertyId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
DirectoryEntityId	String	The unique identifier of the directory entity.
PropertyId	String	The unique identifier of the entity property (optional).
Reason	String	The reason for entity access right deletion (optional).

### 5.1.93 EntityACLDeleteEntryResponse

Object provides response to the entity access right delete.

#### Scheme

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

### 5.1.94 EntityACLEntriesCreateRequest

Object provides request to create the entity access right.

#### Scheme

```
<xsi:complexType name="EntityACLEntriesCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLEntriesCreate operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="EntityACLEntry" type="tns:EntityACLEntryCreate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PropertyACL" type="tns:PropertyACLCreate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a> []	The unique identifier of the entity.
EntityACLEntry	<a href="#">EntityACLEntryUpdate</a> []	Entity access right update.
PropertyACL	<a href="#">PropertyACLCreate</a> []	Entity property access right create.
Reason	String	The reason for entity access right creation (optional).

## 5.1.95 EntityACLEntriesCreateResponse

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

### Scheme

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

### Parameters

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

## 5.1.96 EntityACLEntry

Object provides information on entity access right.

### Scheme

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

*Parameters*

Subject	String	The unique identifier of the directory entity or attribute.
DirectoryEntity	<a href="#">DirectoryEntityInfo</a>	Directory entity (optional).
EffectiveRights	<a href="#">EntityRights</a>	Effective entity rights (optional).
ExplicitAllowRights	<a href="#">EntityRights</a>	Explicit allow rights (optional).
ExplicitDenyRights	<a href="#">EntityRights</a>	Explicit deny rights (optional).
InheritedAllowRights	<a href="#">EntityRights</a>	Inherited allow rights (optional).
InheritedDenyRights	<a href="#">EntityRights</a>	Inherited deny rights (optional).
id	String	The unique identifier of the entity access right.
type	<a href="#">EntityACLEntryType</a>	The type of the entity access right.

**5.1.97 EntityACLEntryCreate**

Object provides information on the entity access right creation.

*Scheme*

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

*Parameters*

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

## 5.1.98 EntityACLEntryType

Object provides information on the entity access right type.

### Scheme

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

### Parameters

Directory	enumerator	Directory entity.
Attribute	enumerator	An attribute.

## 5.1.99 EntityACLEntryUpdate

Object updates an entity access right.

### Scheme

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

### Parameters

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

### 5.1.100 EntityACLEntryUpdateRequest

Object provides the request to update the entity access right.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
EntityACLEntryUpdate	<a href="#">EntityACLEntryUpdateRequestChoice</a>	Entity access right update (optional).
Reason	String	The reason for entity access right update (optional).

### 5.1.101 EntityACLEntryUpdateRequestChoice

Object provides the information on choice of the entity access right update.

*Scheme*

```
<xsi:complexType name="EntityACLEntryUpdateRequestChoice">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLEntryUpdate request
choice</xsi:documentation>
  </xsi:annotation>
  <xsi:choice>
    <xsi:element name="EntityACLEntry" type="tns:EntityACLEntryUpdate"/>
    <xsi:element name="PropertyACL" type="tns:PropertyACLUpdate"/>
  </xsi:choice>
</xsi:complexType>
```

*Parameters*

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

## 5.1.102 EntityACLEntryUpdateResponse

Object provides the response to the entity access right update.

### Scheme

```
<xsi:complexType name="EntityACLEntryUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityACLEntryUpdate operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EntityACLEntry" type="tns:EntityACLEntry" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="PropertyACL" type="tns:PropertyACL" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.103 EntityACLReadRequest

Object provides request to read the entity access rights.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Reason	String	The reason for entity access right read (optional).

### 5.1.104 EntityACLReadResponse

Object provides response to the entity access rights read.

*Scheme*

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

*Parameters*

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

### 5.1.105 EntityAuditLogReadRequest

Object provides request to read the entity audit log.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Options	<a href="#">AuditLogReadOptions</a>	Audit log options.



## 5.1.106 EntityClassificationCodeUpdateRequest

The object provides information on the request to change the entity classification code.

### *Scheme*

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

### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the entity.
ClassificationCode	String	The canonical form of the full classification code.
Reason	String	The reason for classification code change.

## 5.1.107 EntityClassificationCodeUpdateResponse

The object provides information on the response to changing the entity classification code.

### *Scheme*

```
<xsi:complexType name="EntityClassificationCodeUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityClassificationCodeUpdate operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ClassificationCode" type="xsi:string"/>
    <xsi:element name="PublicClassificationCode" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

ClassificationCode	String	The canonical form of the full classification code.
PublicClassificationCode	String	Entity classification code in the classification scheme.

### 5.1.108 EntityCloseRequest

Object provides request to close the open entity.

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Handle	String	Temporary identifier of the open entity.

### 5.1.109 EntityCloseResponse

Object provides response to the entity close.

#### *Scheme*

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

## 5.1.110 EntityCreate

Object creates the entity.

### Scheme

```
<xsi:complexType name="EntityCreate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Template" type="xsi:string"/>
    <xsi:element name="Title" type="xsi:string"/>
    <xsi:element name="ClassificationCode" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SecurityClass" type="tns:InheritedStringPropertyUpdate"
minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Status" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ChildClassificationCodeMode" type="tns:ChildClassificationCodeMode"
minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Owner" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Significance" type="tns:InheritedStringPropertyUpdate" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ExternalId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Keyword" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Retention" type="tns:RetentionUpdate" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Property" type="tns:PropertyUpdate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="EmailProperties" type="tns:EmailPropertiesUpdate" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Email" type="tns:EntityCreateEmail" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PhysicalProperties" type="tns:PhysicalPropertiesUpdate"
minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Object" type="tns:ObjectCreate" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Template	String	The unique identifier of the template.
Title	String	The title of the entity.
ClassificationCode	String	Classification code in the canonical form.
SecurityClass	<a href="#">InheritedStringPropertyUpdate</a>	Entity security class update (optional).
Status	<a href="#">InheritedStringPropertyUpdate</a>	Entity status update (optional).
ChildClassificationCodeMode	<a href="#">ChildClassificationCodeMode</a>	Child classification code generation (optional).
Description	String	A description of the entity (optional).
Owner	String	The owner of the entity (optional).

Significance	<a href="#">InheritedStringPropertyUpdate</a>	Entity significance update (optional).
ExternalId	String []	External identifier of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
Retention	<a href="#">RetentionUpdate</a>	Entity retention policy and disposition hold update (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity property update (optional).
EmailProperties	<a href="#">EmailPropertiesUpdate</a>	Email properties update (optional). Compatibility: IMiS®/ARChive Server 9.10.1910 or lower.
Email	<a href="#">EntityCreateEmail</a>	Email content. Compatibility: IMiS®/ARChive Server 10.1 or higher.
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties update (optional).
Object	<a href="#">ObjectCreate</a> []	Entity object create (optional).

### 5.1.111 EntityCreateEmail

Object provides information on email content create.

#### *Scheme*

```
<xsi:complexType name="EntityCreateEmail">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating entity email</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Content" type="xsi:base64Binary"
      xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
      xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

ContentType	String	Content object type.
Content	base64Binary	The email content in Base64.

## 5.1.112 EntityCreateRequest

Object provides request to create the entity.

### Scheme

```
<xsi:complexType name="EntityCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="ParentId" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entity" type="tns:EntityCreate"/>
    <xsi:element name="Staged" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
ParentId	<a href="#">EntityId</a>	The unique identifier of the parent entity (optional).
Entity	<a href="#">EntityCreate</a>	Entity creation.
Staged	Boolean	Specifies whether the entity will be opened in editing mode and not saved.
Reason	String	The reason for entity create (optional).

## 5.1.113 EntityCreateResponse

Object provides response to the entity create.

### Scheme

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

### Parameters

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

### 5.1.114 EntityDeleteRequest

Object provides request to delete the entity.

#### *Scheme*

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

#### *Parameters*

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

### 5.1.115 EntityDeleteResponse

Object provides response to the entity delete.

#### *Scheme*

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

## 5.1.116 EntityExportRequest

Object provides request to export the entity.

### Scheme

```
<xsi:complexType name="EntityExportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityExport operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Classes" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Documents" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Folders" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Recursive" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ExportParents" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AdditionalMetadata" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="ASiC" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Version	unsignedShort	The identifier of the entity version (optional).
Classes	boolean	Specifies whether the Class-type entities are exported (default value: true).
Documents	boolean	Specifies whether the Document-type entities are exported (default value: true).
Folders	boolean	Specifies whether the Folder-type entities are exported (default value: true).
AuditLog	boolean	Specifies whether the audit log of each entity is exported (default value: true).
Recursive	boolean	Specifies whether the child entities are exported (default value: true).
ExportParents	boolean	Specifies whether the parent entities are exported (default value: true).
Evidence	boolean	Specifies whether the entity authenticity and integrity proofs are exported (default value: true).
AdditionalMetadata	base64Binary	The dataset of additional metadata on export (XML).
ASiC	boolean	Specifies whether the selected entity is exported in ASiC format (optional, default value: false).
Reason	String	The reason for entity export (optional).

## 5.1.117 EntityExportResponse

Object provides response to the entity export.

### Scheme

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

### Parameters

Output	base64Binary	The dataset of exported entities.
ContentType	string	The type of the dataset of exported files.

## 5.1.118 EntityId

Object provides information on entity identifier.

### Scheme

```
<xsi:complexType name="EntityId">
  <xsi:annotation>
    <xsi:documentation>Represents an entity identifier</xsi:documentation>
  </xsi:annotation>
  <xsi:simpleContent>
    <xsi:extension base="xsi:string">
      <xsi:attribute name="type" type="tns:EntityIdType" use="required">
        <xsi:annotation>
          <xsi:documentation>Specifies the entity identifier type.</xsi:documentation>
        </xsi:annotation>
      </xsi:attribute>
    </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

### Parameters

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



### 5.1.119 EntityIdType

Object provides information on entity identifier type.

#### Scheme

```
<xsi:simpleType name="EntityIdType">
  <xsi:annotation>
    <xsi:documentation>Represents an entity identifier type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Internal"/>
    <xsi:enumeration value="External"/>
    <xsi:enumeration value="ClassificationCode"/>
    <xsi:enumeration value="Handle"/>
  </xsi:restriction>
</xsi:simpleType>
```

#### Parameters

Internal	Internal identifier of the entity.
External	External identifier of the entity.
ClassificationCode	Classification code in the canonical form.
Handle	Temporary identifier of the open entity.

### 5.1.120 EntityImportRequest

Object provides request to import the entity.

#### Scheme

```
<xsi:complexType name="EntityImportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityImport operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Data" type="xsi:base64Binary"
      xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
      xmime:expectedContentTypes="application/zip"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the parent entity.
Data	Base64Binary	Entity import information.
Reason	String	The reason for entity import (optional).

### 5.1.121 EntityImportResponse

Object provides response to the entity import.

#### Scheme

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

### 5.1.122 EntityMoveRequest

Object provides request to move the entity.

#### Scheme

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

#### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ParentId	<a href="#">EntityId</a>	The unique identifier of the parent entity (optional).
ClassificationCode	String	The canonical form of the full classification code (optional).
Reason	String	The reason for entity move.

### 5.1.123 EntityNonrepudiationReadRequest

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

#### Scheme

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Reason	String	The reason for entity authenticity and integrity proofs read (optional).

**5.1.124 EntityNonrepudiationReadResponse**

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

*Scheme*

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

*Parameters*

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

**5.1.125 EntityObjectCreateRequest**

Object provides request to create the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCreate operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Object" type="tns:ObjectCreate" minOccurs="0"
  maxOccurs="unbounded"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Object	<a href="#">ObjectCreate</a> []	Entity object create.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity create (optional).

**5.1.126 EntityObjectCreateResponse**

Object provides response to the entity object create.

*Scheme*

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

*Parameters*

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

**5.1.127 EntityObjectDeleteRequest**

Object provides request to delete the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectDelete operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity delete (optional).

**5.1.128 EntityObjectDeleteResponse**

Object provides response to the entity object delete.

*Scheme*

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

**5.1.129 EntityObjectsReadRequest**

Object provides request to read the entity objects.

*Scheme*

```
<xsi:complexType name="EntityObjectsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectsRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Tree" type="tns:Tree" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Tree	<a href="#">Tree</a>	Specifies whether child objects are shown in a tree structure.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity delete (optional).

### 5.1.130 EntityObjectsReadResponse

Object provides response to the entity objects read.

*Scheme*

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

*Parameters*

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

### 5.1.131 EntityObjectCloseRequest

Object provides information on the request to close the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectCloseRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectClose operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectIndex" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectHandle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object (optional).
ObjectIndex	Integer	Entity object index (optional).
ObjectHandle	String	Entity object handle (optional).

### 5.1.132 EntityObjectCloseResponse

Object provides information on the response to close the entity object.

#### *Scheme*

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

### 5.1.133 EntityObjectUpdateRequest

Object provides the request to update the entity object.

#### *Scheme*

```
<xsi:complexType name="EntityObjectUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectUpdate operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Object" type="tns:ObjectUpdate"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Object	<a href="#">ObjectUpdate</a>	Object provides entity object update.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity update (optional).

### 5.1.134 EntityObjectUpdateResponse

Object provides response to the entity object update.

#### *Scheme*

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

*Parameters*

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

**5.1.135 EntityObjectMoveRequest**

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

*Scheme*

```
<xsi:complexType name="EntityObjectMoveRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectMove operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TargetId" type="tns:EntityId"/>
    <xsi:element name="TargetVersion" type="xsi:unsignedShort" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="TargetContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object.
TargetId	<a href="#">EntityId</a>	The unique identifier of the target entity.
Version	unsignedShort	Entity version (optional).
TargetContainerId	String	The unique identifier of additional entity content object container of target entity (optional).
TargetVersion	unsignedShort	Target entity version (optional).
Reason	String	The reason for entity object move (optional).



### 5.1.136 EntityObjectMoveResponse

Object provides response to move entity object to another entity.

#### Scheme

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

#### Parameters

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

### 5.1.137 EntityObjectCopyRequest

Object provides request to copy entity object to another entity.

#### Scheme

```
<xsi:complexType name="EntityObjectCopyRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectCopy operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TargetId" type="tns:EntityId"/>
    <xsi:element name="TargetVersion" type="xsi:unsignedShort" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="TargetContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object.
Description	String	A description of the entity object (optional).
Version	unsignedShort	Entity version (optional).
TargetId	<a href="#">EntityId</a>	The unique identifier of the target entity.
TargetVersion	unsignedShort	Target entity version (optional).
TargetContainerId	String	The unique identifier of additional entity content object container of target entity (optional).
Reason	String	The reason for entity object copy (optional).

## 5.1.138 EntityObjectCopyResponse

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

### Scheme

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

### Parameters

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

## 5.1.139 EntityObjectManageRequest

Object provides information on request to manage the entity object.

### Scheme

```
<xsi:complexType name="EntityObjectManageRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectManage operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="QueueForIndexing" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="QueueForConversion" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object.
QueueForIndexing	Boolean	Queuing for later indexing (optional).
QueueForConversion	Boolean	Queuing for later conversion (optional).
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity object manage (optional).

### 5.1.140 EntityObjectManageResponse

Object provides information on response to manage the entity object.

*Scheme*

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

*Parameters*

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

### 5.1.141 EntityObjectDetachRequest

Object provides information on request to detach the entity object.

*Scheme*

```
<xsi:complexType name="EntityObjectDetachRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectDetach operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity object detach (optional).

## 5.1.142 EntityObjectDetachResponse

Object provides information on response to detach the entity object.

### Scheme

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

### Parameters

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

## 5.1.143 EntityObjectOpenRequest

Object provides information on the request to open the entity object.

### Scheme

```
<xsi:complexType name="EntityObjectOpenRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectIndex" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object (optional).
ObjectIndex	Integer	Entity object index (optional).
Version	unsignedShort	Entity version (optional).
Reason	String	The reason (optional).

## 5.1.144 EntityObjectOpenResponse

Object provides information on the response to open the entity object.

### Scheme

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

### Parameters

Handle	String	Collection handle.
--------	--------	--------------------

## 5.1.145 EntityObjectReadRequest

Object provides request to read the entity object.

### Scheme

```
<xsi:complexType name="EntityObjectReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityObjectRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ObjectId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectIndex" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectHandle" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="RangeFrom" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="RangeTo" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
ObjectId	String	The unique identifier of the entity object. (optional).
ObjectIndex	Integer	Entity object index (optional).
Version	unsignedShort	Entity version (optional).
RangeFrom	long	The initial position of the content to be read (optional).
RangeTo	long	The final position of the content to be read (optional).
Reason	String	The reason for entity object read (optional).

## 5.1.146 EntityObjectReadResponse

Object provides response to the entity object read.

### Scheme

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

### Parameters

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

## 5.1.147 EntityOpenCreateRequest

Object provides information on request to open entity for creating.

### Scheme

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

### Parameters

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

## 5.1.148 EntityOpenRequest

Object provides request to open the entity.

### Scheme

```
<xsi:complexType name="EntityOpenRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="EditMode" type="xsi:boolean"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Template" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
EditMode	Boolean	Specifies whether the entity is open in edit mode.
Version	unsignedShort	Entity version (optional).
Template	String	New entity template (IMiS®/ARChive Server 9.9 or higher).
Reason	String	The reason for entity open (optional).

## 5.1.149 EntityOpenResponse

Object provides response to the entity open.

### Scheme

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

### Parameters

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

## 5.1.150 EntityPropertyCreateRequest

Object provides information on request to add the entity property value.

### Scheme

```
<xsi:complexType name="EntityPropertyCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityPropertyCreate operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="PropertyId" type="xsi:string"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Inherited" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="BinaryValue" type="tns:BinaryValue" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="BooleanValue" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DateValue" type="xsi:date" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DateTimeValue" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DecimalValue" type="xsi:decimal" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DirectoryEntityValue" type="xsi:string" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="DoubleValue" type="xsi:double" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int8Value" type="xsi:byte" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int16Value" type="xsi:short" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int32Value" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int64Value" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int128Value" type="xsi:integer" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="StringValue" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TimeValue" type="xsi:time" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt8Value" type="xsi:short" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt16Value" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt32Value" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt64Value" type="xsi:integer" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt128Value" type="xsi:integer" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
PropertyId	String	The identifier of the property.
Version	unsignedShort	Entity version (optional).
Reason	String	Reason (optional).
Inherited	Boolean	Specifies whether the value is inherited (optional).
BinaryValue	<a href="#">BinaryValue</a>	Binary value.
BooleanValue	Boolean	Boolean value.
DateValue	date	Date.
DateTimeValue	dateTime	Date and time.
DecimalValue	decimal	Decimal value.



DirectoryEntityValue	String	Unique identifier of the directory entity.
DoubleValue	double	Double value.
Int8Value	byte	8-bit integer.
Int16Value	short	16-bit integer.
Int32Value	int	32-bit integer.
Int64Value	long	64-bit integer.
Int128Value	integer	128-bit integer.
StringValue	String	Set.
TimeValue	time	Time.
UInt8Value	short	8-bit unsigned integer.
UInt16Value	int	16-bit unsigned integer.
UInt32Value	long	32-bit unsigned integer.
UInt64Value	integer	64-bit unsigned integer.
UInt128Value	integer	128-bit unsigned integer.

### 5.1.151 EntityPropertyDeleteRequest

Object provides information on request to delete the entity property value.

#### *Scheme*

```
<xsi:complexType name="EntityPropertyDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityPropertyDelete operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="PropertyId" type="xsi:string"/>
    <xsi:element name="Index" type="xsi:int"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
PropertyId	String	Property identifier.
Index	int	Index of property value to be deleted.
Version	unsignedShort	Entity version (optional).
Reason	String	Reason (optional).

## 5.1.152 EntityPropertyDeleteResponse

Object provides response to the request to delete the entity property value.

### Scheme

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

## 5.1.153 EntityPropertyReadRequest

Object provides information on request to read the entity property.

### Scheme

```
<xsi:complexType name="EntityPropertyReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityPropertyRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="PropertyId" type="xsi:string"/>
    <xsi:element name="Stub" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
PropertyId	String	Property identifier.
Stub	Boolean	Specifies whether the entity is read in the mode for reading publicly available metadata (optional). Default value is <i>false</i> .
Version	unsignedShort	Entity version (optional).
Reason	String	Reason (optional).

## 5.1.154 EntityPropertyReadResponse

Object provides response to the request to read the entity property.

### Scheme

```
<xsi:complexType name="EntityPropertyReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityPropertyRead operation
  response</xsi:documentation>
</xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Property" type="tns:Property"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Property	<a href="#">Property</a>	Entity property.
----------	--------------------------	------------------

## 5.1.155 EntityPropertyUpdateRequest

Object provides information on request to change the entity property value.

### Scheme

```
<xsi:complexType name="EntityPropertyCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityPropertyUpdate operation
  request</xsi:documentation>
</xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="PropertyId" type="xsi:string"/>
    <xsi:element name="Index" type="xsi:int"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Inherited" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="BinaryValue" type="tns:BinaryValue" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="BooleanValue" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DateValue" type="xsi:date" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DateTimeValue" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DecimalValue" type="xsi:decimal" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DirectoryEntityValue" type="xsi:string" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="DoubleValue" type="xsi:double" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int8Value" type="xsi:byte" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int16Value" type="xsi:short" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int32Value" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int64Value" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Int128Value" type="xsi:integer" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="StringValue" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="TimeValue" type="xsi:time" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt8Value" type="xsi:short" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt16Value" type="xsi:int" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt32Value" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt64Value" type="xsi:integer" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="UInt128Value" type="xsi:integer" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
PropertyId	String	The identifier of the property.
Index	int	Property value index.
Version	unsignedShort	Entity version (optional).
Reason	String	Reason (optional).
Inherited	Boolean	Specifies whether the value is inherited (optional).
BinaryValue	<a href="#">BinaryValue</a>	Binary value.
BooleanValue	Boolean	Boolean value.
DateValue	Date	Date.
DateTimeValue	DateTime	Date and time.
DecimalValue	Decimal	Decimal value.
DirectoryEntityValue	String	Unique identifier of the directory entity.
DoubleValue	Double	Double value.
Int8Value	Byte	8-bit integer.
Int16Value	Short	16-bit integer.
Int32Value	Int	32-bit integer.
Int64Value	Long	64-bit integer.
Int128Value	integer	128-bit integer.
StringValue	String	Set.
TimeValue	time	Time.
UInt8Value	short	8-bit unsigned integer.
UInt16Value	int	16-bit unsigned integer.
UInt32Value	long	32-bit unsigned integer.
UInt64Value	integer	64-bit unsigned integer.
UInt128Value	integer	128-bit unsigned integer.

## 5.1.156 EntityReadRequest

Object provides request to read the entity.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity read (optional).

## 5.1.157 EntityReadResponse

Object provides response to the entity read.

### Scheme

```
<xsi:complexType name="EntityReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Entity" type="tns:Entity"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

### 5.1.158 EntityReference

Object provides information on the entity reference.

*Scheme*

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

*Parameters*

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

### 5.1.159 EntityReferenceCreateRequest

Object provides request to create entity reference.

*Scheme*

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

*Parameters*

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

**5.1.160 EntityReferenceCreateResponse**

Object provides response to the entity reference create.

*Scheme*

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

*Parameters*

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

**5.1.161 EntityReferenceDeleteRequest**

Object provides request to delete the entity reference.

*Scheme*

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

*Parameters*

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

**5.1.162 EntityReferenceDeleteResponse**

Object provides response to the entity reference delete.

*Scheme*

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

**5.1.163 EntityReferencesReadRequest**

Object provides request to read the entity references.

*Scheme*

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

*Parameters*

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



### 5.1.164 EntityReferencesReadResponse

Object provides response to the entity references read.

*Scheme*

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

*Parameters*

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

### 5.1.165 EntityReferenceUpdateRequest

Object provides the request to update the entity reference.

*Scheme*

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

*Parameters*

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

## 5.1.166 EntityRetentionDispositionHoldEntriesCreateRequest

Object provides request to create the entity disposition hold.

### Scheme

```
<xsi:complexType name="EntityRetentionDispositionHoldEntriesCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionDispositionHoldEntriesCreate operation
    request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntryUpdate"
    minOccurs="1" maxOccurs="unbounded"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
DispositionHold	<a href="#">RetentionDispositionHoldEntryUpdate</a> []	Entity disposition holds.
Reason	String	The reason for entity disposition hold create (optional).

## 5.1.167 EntityRetentionDispositionHoldEntriesCreateResponse

Object provides response to the entity disposition hold create.

### Scheme

```
<xsi:complexType name="EntityRetentionDispositionHoldEntriesCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionDispositionHoldEntriesCreate operation
    response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntry"
    minOccurs="1" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.168 EntityRetentionDispositionHoldEntryDeleteRequest

Object provides request to delete the entity disposition hold.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
DispositionHoldId	String	The unique identifier of the entity disposition hold.
Reason	String	The reason for entity disposition hold delete (optional).

## 5.1.169 EntityRetentionDispositionHoldEntryDeleteResponse

Object provides response to the entity disposition hold delete.

### Scheme

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

## 5.1.170 EntityRetentionPolicyEntriesCreateRequest

Object provides request to create the entity retention policies.

### Scheme

```
<xsi:complexType name="EntityRetentionPolicyEntriesCreateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntriesCreate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate" minOccurs="1" maxOccurs="unbounded"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a> []	Entity retention policy update.
Reason	String	The reason for entity retention policy create (optional).

**5.1.171 EntityRetentionPolicyEntriesCreateResponse**

Object provides response to the entity retention policies create.

*Scheme*

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

*Parameters*

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

**5.1.172 EntityRetentionPolicyEntriesUpdateRequest**

Object provides request to change multiple entity retention policies.

*Scheme*

```
<xsi:complexType name="EntityRetentionPolicyEntriesUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntriesUpdate operation
    request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate" minOccurs="1"
    maxOccurs="unbounded"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a> []	A Collection of retention policies.
Reason	String	The reason for entity retention policy update (optional).

**5.1.173 EntityRetentionPolicyEntriesUpdateResponse**

Object provides response to change multiple entity retention policies.

*Scheme*

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

*Parameters*

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

**5.1.174 EntityRetentionPolicyEntryDeleteRequest**

Object provides request to delete the entity retention policy.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
RetentionPolicyId	String	The unique identifier of the retention policy.
Reason	String	The reason for entity retention policy delete (optional).

### 5.1.175 EntityRetentionPolicyEntryDeleteResponse

Object provides response to the entity retention policy deletion.

#### *Scheme*

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

### 5.1.176 EntityRetentionPolicyEntryUpdateRequest

Object provides request to update the entity retention policy.

#### *Scheme*

```
<xsi:complexType name="EntityRetentionPolicyEntryUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntryUpdate operation
    request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntryUpdate"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
RetentionPolicy	<a href="#">RetentionPolicyEntryUpdate</a>	Entity retention policy update.
Reason	String	The reason for entity retention policy update (optional).

### 5.1.177 EntityRetentionPolicyEntryUpdateResponse

Object provides response to the entity retention policy update.

#### *Scheme*

```
<xsi:complexType name="EntityRetentionPolicyEntryUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityRetentionPolicyEntryUpdate operation
    response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="RetentionPolicy" type="tns:RetentionPolicyEntry"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.178 EntityReport**

Object provides information on entity report response.

*Scheme*

```
<xsi:complexType name="EntityReport">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity report</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:Entity">
      <xsi:sequence>
        <xsi:element name="ACL" type="tns:ACL" minOccurs="0" maxOccurs="1"/>
        <xsi:element name="Right" type="tns:EntityRightsReport" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="Error" type="tns:EntityReportError" minOccurs="0"
maxOccurs="1"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

*Parameters*

ACL	<a href="#">ACL</a>	A collection of entity access rights.
Right	<a href="#">EntityRightsReport</a> []	A collection of entity access rights.
Error	<a href="#">EntityReportError</a>	An error when opening the entity.

**5.1.179 EntityReportError**

Object provides information on entity error message.

*Scheme*

```
<xsi:complexType name="EntityReportError">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity report error
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Status" type="xsi:int"/>
    <xsi:element name="Message" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Details" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Status	int	The error status.
Message	String	The error message.
Details	String	Details of an error.

## 5.1.180 EntityRights

Object provides information on entity access rights.

### *Scheme*

```
<xsi:complexType name="EntityRights">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity rights</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ValidFrom" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ValidTo" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="readAccess" type="xsi:boolean"/>
  <xsi:attribute name="writeAccess" type="xsi:boolean"/>
  <xsi:attribute name="moveAccess" type="xsi:boolean"/>
  <xsi:attribute name="deleteAccess" type="xsi:boolean"/>
  <xsi:attribute name="changeRights" type="xsi:boolean"/>
  <xsi:attribute name="createReferences" type="xsi:boolean"/>
  <xsi:attribute name="createSubEntities" type="xsi:boolean"/>
  <xsi:attribute name="changeSecurityClass" type="xsi:boolean"/>
  <xsi:attribute name="changeStatus" type="xsi:boolean"/>
  <xsi:attribute name="changeRetention" type="xsi:boolean"/>
  <xsi:attribute name="delegateContext" type="xsi:boolean"/>
  <xsi:attribute name="enabledForSubtree" type="xsi:boolean"/>
  <xsi:attribute name="enabledForThis" type="xsi:boolean"/>
</xsi:complexType>
```

### *Parameters*

ValidFrom	DateTime	The validity of the attribute property access rights from a given date and time (optional).
ValidTo	DateTime	The validity of the attribute property access rights until a given date and time (optional).
readAccess	Boolean.	The right to read the entity.
writeAccess	Boolean.	The right to write the entity.
moveAccess	Boolean	The right to move the entity.
deleteAccess	Boolean	The right to delete the entity.
changeRights	Boolean	The right to change entity access rights.
createReferences	Boolean	The right to create references.
createSubEntities	Boolean	The right to create sub-entities.
changeSecurityClass	Boolean	The right to change entity security class.
changeStatus	Boolean	The right to change entity status.
changeRetention	Boolean	The right to change the entity retention policies and disposition holds.



delegateContext	Boolean	Specifies whether the access right applies to the user who will log in on behalf of a delegated user (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForSubtree	Boolean	Specifies whether the inheritance of access right on contained entities is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForThis	Boolean	Specifies whether the access right on the current entity is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.

### 5.1.181 EntityRightsReport

Object provides information on entity rights definition.

#### *Scheme*

```
<xsi:complexType name="EntityRightsReport">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity rights
report</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:EntityRights">
      <xsi:sequence>
        <xsi:element name="DirectoryEntity" type="tns:DirectoryEntityInfo" minOccurs="0"
maxOccurs="1"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

#### *Parameters*

DirectoryEntity	<a href="#">DirectoryEntityInfo</a>	The directory entity to which the access permission applies
-----------------	-------------------------------------	-------------------------------------------------------------

### 5.1.182 EntitySaveLogReadRequest

Object provides request to read the entity save log.

#### *Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Reason	String	The reason for entity Save log read (optional).

**5.1.183 EntitySaveLogReadResponse**

Object provides response to the entity save log read.

*Scheme*

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

*Parameters*

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

**5.1.184 EntitySearchHit**

Object provides public entity information as search result.

*Scheme*

```
<xsi:complexType name="EntitySearchHit">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity search hit</xsi:documentation>
  </xsi:annotation>
  <xsi:complexContent>
    <xsi:extension base="tns:EntityStub">
      <xsi:sequence>
        <xsi:element name="Object" type="tns:EntitySearchHitObject" minOccurs="0"
maxOccurs="unbounded"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

*Parameters*

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

## 5.1.185 EntitySearchHitObject

Object provides information on entity content object as search result.

### Scheme

```
<xsi:complexType name="EntitySearchHitObject">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity search hit
    object</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Created" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Accessed" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Modified" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ContentType" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Extension" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Signed" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Indexed" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="VersionLabel" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

### Parameters

ContainerId	String	The unique identifier of additional entity content object container of target entity (optional).
Description	String	A description of the entity content object (optional).
Size	long	The size of the content (in bytes).
Created	dateTime	Date and time of the object creation.
Accessed	dateTime	Date and time of the entity object access.
Modified	dateTime	Date and time of the object update.
ContentType	String	The content type.
Extension	String	Extension of the content object file.
Signed	Boolean	Value that shows whether the content is electronically signed.
Indexed	Boolean	Value that shows whether the content is indexed.
Version	unsignedShort	The entity version (optional).
VersionLabel	String	The label of the entity version (optional).
id	String	Entity content object identifier (optional).

## 5.1.186 EntitySearchRequest

Object provides request to search the entity.

### Scheme

```
<xsi:complexType name="EntitySearchRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntitySearch operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Expression" type="xsi:string"/>
    <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="MaxElements" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="MaxDepth" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Recursive" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="CategoryProperty" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Category" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ExactMatch" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity (optional).
Expression	String	Search expression.
Filter	<a href="#">EntityStubFilter</a>	Entity search filter (optional).
Paging	<a href="#">EntityStubPaging</a>	Entity paging information (optional).
Sort	<a href="#">CollectionSort</a>	Sorting of entities (optional).
MaxElements	unsignedInt	Maximum number of search elements (optional).
MaxDepth	unsignedInt	Specifies the maximum level in the entity hierarchy under which the search will be performed (optional).
Recursive	Boolean	Specifies whether recursive search will be performed under the selected source. Default value is true (optional).
CategoryProperty	String	The property used to request the categorization of the entity collection. 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).
Handle	String	Collection handle.
ExactMatch	Boolean	Defines whether an exact-match search is performed.

## 5.1.187 EntitySearchResponse

Object provides response to the entity search.

### Scheme

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

### Parameters

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

## 5.1.188 EntitySecurityClassUpdateRequest

Object provides request to update the entity security class.

### Scheme

```
<xsi:complexType name="EntitySecurityClassUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntitySecurityClassUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="SecurityClass" type="tns:InheritedStringPropertyUpdate"
nillable="true"/>
    <xsi:element name="Reason" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.189 EntitySecurityClassUpdateResponse**

Object provides response to the entity security class update.

*Scheme*

```
<xsi:complexType name="EntitySecurityClassUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntitySecurityClassUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SecurityClass" type="tns:InheritedStringProperty"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.190 EntityStatusUpdateRequest**

Object provides request to update the entity status.

*Scheme*

```
<xsi:complexType name="EntityStatusUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityStatusUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Status" type="tns:InheritedStringPropertyUpdate"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

## 5.1.191 EntityStatusUpdateResponse

Object provides response to the entity status update.

### Scheme

```
<xsi:complexType name="EntityStatusUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityStatusUpdate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Status" type="tns:InheritedStringProperty"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

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

## 5.1.192 EntityStub

Object provides public entity information.

### Scheme

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

```

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

*Parameters*

ClassificationCode	String	The canonical form of the full classification code.
PublicClassificationCode	String	Entity classification code in the classification scheme.
Title	String	The title of the entity.
Type	<a href="#">EntityType</a>	Entity type.
Description	String	A description of the entity (optional).
Permanent	Boolean	The permanent entity (optional).
ChildCount	unsignedLong	The number of child entities (optional).
Creator	String	The author of the entity (optional).
Owner	String	The owner of the entity (optional).
Template	String	Template type (optional).
Created	DateTime	Date and time of the entity creation (optional).
Accessed	DateTime	Date and time of the entity access (optional).
Modified	DateTime	Date and time of the entity update (optional).
ModifiedBy	<a href="#">DirectoryEntityInfo</a>	The user who last modified the entity.
Closed	DateTime	Date and time of the entity status update to Closed (optional).
Opened	DateTime	Date and time of the entity status update to Opened (optional).



SecurityClass	<a href="#">InheritedStringProperty</a>	The security class of the entity (optional).
Significance	<a href="#">InheritedStringProperty</a>	The significance of the entity (optional).
Status	<a href="#">InheritedStringProperty</a>	The status of the entity (optional).
Retention	<a href="#">Retention</a>	The retention policies and disposition holds of the entity (optional).
SubEntityTemplate	String []	Templates for sub-entities creation (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
ExternalId	String []	External identifier of the entity.
ChildClassificationCodeMode	<a href="#">ClassClassificationMode</a>	Child classification code generation (optional).
ParentId	<a href="#">EntityId</a>	The unique identifier of the parent entity (optional).
EffectiveRights	<a href="#">EntityRights</a>	Effective rights to access directory entity (optional).
Property	<a href="#">Property</a> []	Entity property (optional).
id	String	The unique identifier of the entity.
AIP	Boolean	Specifies whether the entity has authenticity and integrity proofs.
HasReferences	Boolean	Specifies whether the entity has references.
VersionLabel	String	The label of the version.
Version	unsignedShort	Entity version.
CheckInComment	String	The comment of the entity version.
DraftCreator	<a href="#">DirectoryEntityInfo</a>	The author of the draft.
HasVersions	Boolean	Specifies whether the entity has versions.
HasDraft	Boolean	Specifies whether the entity has draft.
DraftId	String	The identifier if the draft

### 5.1.193 EntityStubFilter

Object provides public entity information filter.

#### Scheme

```
<xsi:complexType name="EntityStubFilter">
  <xsi:annotation>
    <xsi:documentation>Represents an entity stub filter</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Field" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="all" type="xsi:boolean"/>
  <xsi:attribute name="properties" type="xsi:boolean"/>
  <xsi:attribute name="templates" type="xsi:boolean"/>
  <xsi:attribute name="classes" type="xsi:boolean"/>
  <xsi:attribute name="folders" type="xsi:boolean"/>
  <xsi:attribute name="documents" type="xsi:boolean"/>
</xsi:complexType>
```

#### Parameters

Fields	String []	Defines the fields in the reply.
All	Boolean	Public entity information and included templates.
Properties	Boolean	Public entity properties.
Templates	Boolean	Templates to create sub entities.
Classes	Boolean	Specifies whether the response sends class-type entities. Default value is false if the 'folders' or 'documents' parameter is present; otherwise is true (optional).
Folders	Boolean	Specifies whether the response sends folder-type entities. Default value is false if the 'classes' or 'documents' parameter is present; otherwise is true (optional).
Documents	Boolean	Specifies whether the response sends document-type entities. Default value is false if the 'classes' or 'folders' parameter is present; otherwise is true (optional).

### 5.1.194 EntityStubPaging

Object provides paging of the public entity information.

#### Scheme

```
<xsi:complexType name="EntityStubPaging">
  <xsi:annotation>
    <xsi:documentation>Represents an entity stub paging</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="PageStart" type="xsi:unsignedInt"/>
    <xsi:element name="PageSize" type="xsi:unsignedInt"/>
    <xsi:element name="Refresh" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.195 EntityStubReadRequest**

Object provides request to read public entity information.

*Scheme*

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

*Parameters*

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

**5.1.196 EntityStubReadResponse**

Object provides response to the public entity information read.

*Scheme*

```
<xsi:complexType name="EntityStubReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityStubRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EntityStub" type="tns:EntityStub"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

### 5.1.197 EntityTransferDetails

The object provides the entity information created prior to the entity import.

*Scheme*

```
<xsi:complexType name="EntityTransferDetails">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity transfer details
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="AuditLog" type="xsi:boolean"/>
    <xsi:element name="ClassificationCode" type="xsi:string"/>
    <xsi:element name="Date" type="xsi:dateTime"/>
    <xsi:element name="Evidence" type="xsi:boolean"/>
    <xsi:element name="Moved" type="tns:EntityTransferDetailsMove" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="SystemId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

AuditLog	Boolean	Specifies whether the audit log of imported entity exist.
ClassificationCode	String	The canonical form of the full classification code.
Date	dateTime	Date of the entity import.
Evidence	Boolean	Specifies whether the authenticity and integrity proofs of imported entity exist.
Moved	<a href="#">EntityTransferDetailsMove</a> []	A collection of details regarding the moves of the imported entity.
SystemId	String	System identifier.

### 5.1.198 EntityTransferDetailsMove

The object provides information on entity moves created prior to the entity import.

*Scheme*

```
<xsi:complexType name="EntityTransferDetailsMove">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of an entity transfer details move
properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Agent" type="xsi:string"/>
    <xsi:element name="ClassificationCode" type="xsi:string"/>
    <xsi:element name="Date" type="xsi:dateTime"/>
    <xsi:element name="Reason" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Agent	String	Directory entity that moved an entity.
ClassificationCode	String	The canonical form of the full classification code.
Date	dateTime	Date of the entity move.
Reason	String	The reason for entity move.

**5.1.199 EntityTransferDetailsReadRequest**

The object provides the request to read information on the entity, the authenticity and integrity proofs, and the audit log created prior to the entity import.

*Scheme*

```
<xsi:complexType name="EntityTransferDetailsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityTransferDetailsRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Version" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
Version	unsignedShort	The entity version (optional).
AuditLog	Boolean	Specifies whether the audit log of the entity is exist.
Evidence	Boolean	Specifies whether the entity authenticity and integrity proofs are returned.
Reasons	String	The reason for entity read.

### 5.1.200 EntityTransferDetailsReadResponse

Object provides response to the public entity information read.

*Scheme*

```
<xsi:complexType name="EntityTransferDetailsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityTransferDetailsRead operation
  response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Transfer" type="tns:EntityTransferDetails" minOccurs="0"
  maxOccurs="1"/>
    <xsi:element name="AuditLog" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
  xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
  xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Evidence" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
  xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
  xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Transfer	<a href="#">EntityTransferDetails</a>	The entity details created prior to entity import (optional).
AuditLog	base64Binary	Audit log created prior to entity import.
Evidence	base64Binary	Authenticity evidence created prior to entity import.

### 5.1.201 EntityType

Object provides information on entity type.

*Scheme*

```
<xsi:simpleType name="EntityType">
  <xsi:annotation>
    <xsi:documentation>Represents an entity type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Class"/>
    <xsi:enumeration value="Folder"/>
    <xsi:enumeration value="Document"/>
  </xsi:restriction>
</xsi:simpleType>
```

*Parameters*

Class	Entity type is class.
Folder	Entity type is folder.
Document	Entity type is document.

## 5.1.202 EntityUpdate

Object updates an entity.

### Scheme

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

### Parameters

Title	String	The title of the entity (optional).
ChildClassificationCodeMode	<a href="#">ChildClassificationCodeMode</a>	Child classification code generation (optional).
Description	String	The description of the entity (optional).
Owner	String	The owner of the entity (optional).
Significance	<a href="#">InheritedStringPropertyUpdate</a>	The significance of the entity update (optional).
ExternalId	String []	External identifier of the entity (optional).
Keyword	String []	Keywords of the entity (optional).
Category	String []	Categories of the entity (optional).
Property	<a href="#">PropertyUpdate</a> []	Entity property (optional).
PhysicalProperties	<a href="#">PhysicalPropertiesUpdate</a>	Physical content properties update.

### 5.1.203 EntityUpdateRequest

Object provides request to update the entity.

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity.
EntityUpdate	<a href="#">EntityUpdate</a>	Entity update information.
Version	unsignedShort	Entity version (optional).
Reason	String	The reason for entity update (optional).

### 5.1.204 EntityUpdateResponse

Object provides response to update the entity.

#### *Scheme*

```
<xsi:complexType name="EntityUpdateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an EntityUpdate operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Entity" type="tns:Entity"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

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



### 5.1.205 EntityVersionsReadRequest

Object provides request to read entity versions.

#### *Scheme*

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

#### *Parameters*

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

### 5.1.206 EntityVersionsReadResponse

Object provides response to the entity versions read.

#### *Scheme*

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

#### *Parameters*

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

### 5.1.207 FormatType

Object defines the format type.

#### *Scheme*

```
<xsi:simpleType name="FormatType">
  <xsi:annotation>
    <xsi:documentation>Represents an format type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="CSV"/>
    <xsi:enumeration value="XML"/>
  </xsi:restriction>
</xsi:simpleType>
```

#### *Parameters*

CSV	The format type is CSV.
XML	The format type is XML.

### 5.1.208 IdEncodingType

Object defines the type of encoding format identifier.

#### *Scheme*

```
<xsi:simpleType name="IdEncodingType">
  <xsi:annotation>
    <xsi:documentation>Represents an identifier encoding type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Base16"/>
    <xsi:enumeration value="Base64"/>
  </xsi:restriction>
</xsi:simpleType>
```

#### *Parameters*

Base16	Base16 encoding format.
Base64	Base64 encoding format.

## 5.1.209 IdType

Object defines the identifier type.

### *Scheme*

```
<xsi:simpleType name="IdType">
  <xsi:annotation>
    <xsi:documentation>Represents an identifier type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="ID192"/>
    <xsi:enumeration value="ID256"/>
  </xsi:restriction>
</xsi:simpleType>
```

### *Parameters*

ID192	ID192 identifier type.
ID256	ID256 identifier type.

## 5.1.210 InheritedStringProperty

Object provides information on inherited “String” property type.

### *Scheme*

```
<xsi:complexType name="InheritedStringProperty">
  <xsi:simpleContent>
    <xsi:extension base="xsi:string">
      <xsi:attribute name="inherited" type="xsi:boolean"/>
    </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
```

### *Parameters*

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

## 5.1.211 InheritedStringPropertyUpdate

Object updates the inherited “String” property type.

### *Scheme*

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

*Parameters*

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

**5.1.212 ObjectCloseRequest**

Object provides information on entity object close.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Handle	String	Temporary identifier of the object.

**5.1.213 ObjectCloseResponse**

Object provides response to close the entity object.

*Scheme*

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

**5.1.214 ObjectCreate**

Object creates content object.

*Scheme*

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

*Parameters*

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

**5.1.215 ObjectCreateRequest**

Object provides request to create the entity object.

*Scheme*

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

*Parameters*

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

### 5.1.216 ObjectCreateResponse

Object provides response to create the entity object.

#### Scheme

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

#### Parameters

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

### 5.1.217 ObjectDeleteRequest

Object provides request to delete the entity object.

#### Scheme

```
<xsi:complexType name="ObjectDeleteRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectDelete operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity object.
Reason	String	The reason for entity object delete (optional).

### 5.1.218 ObjectDeleteResponse

Object provides response to delete the entity object.

#### Scheme

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

### 5.1.219 ObjectItem

Object provides information on content object.

*Scheme*

```
<xsi:complexType name="ObjectItem">
  <xsi:annotation>
    <xsi:documentation>Represents an object item</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="ContainerId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:unsignedInt"/>
    <xsi:element name="ChildCount" type="xsi:long"/>
    <xsi:element name="Indexed" type="xsi:boolean"/>
    <xsi:element name="Signed" type="xsi:boolean"/>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Accessed" type="xsi:dateTime"/>
    <xsi:element name="Modified" type="xsi:dateTime"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Extension" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Content" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmimeType="application/octet-stream"/>
    <xsi:element name="Children" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="ParentId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

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

ParentId	String	The unique identifier of the parent physical content (optional).
id	String	The unique identifier of the content.
EffectiveRights	<a href="#">PropertyRights</a>	Effective property rights (optional).

## 5.1.220 ObjectOpenRequest

Object provides information on entity object open.

### Scheme

```
<xsi:complexType name="ObjectOpenRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectOpen operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the object.
Reason	String	The reason (optional).

## 5.1.221 ObjectOpenResponse

Object provides response to open the entity object.

### Scheme

```
<xsi:complexType name="ObjectOpenResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectOpen operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="tns:EntityId"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

Id	<a href="#">EntityId</a>	Temporary identifier of the object.
----	--------------------------	-------------------------------------



### 5.1.222 ObjectReadRequest

Object provides request to read the entity object.

#### *Scheme*

```
<xsi:complexType name="ObjectReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a ObjectRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="RangeFrom" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="RangeTo" type="xsi:long" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity object.
RangeFrom	Long	The initial position of the content to be read (optional).
RangeTo	Long	The final position of the content to be read (optional).
Reason	String	The reason for entity object read (optional).

### 5.1.223 ObjectReadResponse

Object provides response to read the entity object.

#### *Scheme*

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

#### *Parameters*

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

### 5.1.224 ObjectTransfer

Object transfers the content object.

*Scheme*

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

*Parameters*

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

### 5.1.225 ObjectUpdate

Object updates the content object.

*Scheme*

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

*Parameters*

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

## 5.1.226 ObjectUpdateRequest

Object provides request to update the entity object.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity object.
Content	base64Binary	The content (optional).
ExternalId	String	External identifier of the entity (optional).
Reason	String	The reason for entity object read (optional).

## 5.1.227 ObjectUpdateResponse

Object provides response to update the entity object.

### Scheme

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

### Parameters

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

## 5.1.228 PhysicalProperties

Object provides information on physical content properties.

### *Scheme*

```
<xsi:complexType name="PhysicalProperties">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a physical properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="CurrentLocation" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Custodian" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="HomeLocation" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Status" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ReturnDue" type="xsi:date" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="StatusChange" type="xsi:dateTime" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

CurrentLocation	String	Current location of the physical content (optional).
Custodian	String	The custodian of the content (optional).
Description	String	A description of the content (optional).
HomeLocation	String	Home location of the content (optional).
Id	String	The identifier of the physical content (optional).
Status	String	The status of the content (optional).
ReturnDue	Date	Return date of the issued content (optional).
StatusChange	DateTime	Date and time of the content status change (optional).

## 5.1.229 PhysicalPropertiesUpdate

Object updates the physical content properties.

### *Scheme*

```
<xsi:complexType name="PhysicalPropertiesUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for updating physical properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="CurrentLocation" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Custodian" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="HomeLocation" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Id" type="xsi:string" nillable="true" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Status" type="xsi:string" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ReturnDue" type="xsi:date" nillable="true" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

CurrentLocation	String	Current location of the physical content (optional).
Custodian	String	The custodian of the content (optional).
Description	String	A description of the content (optional).
HomeLocation	String	Home location of the content (optional).
Id	String	The identifier of the physical content (optional).
Status	String	The status of the content (optional).
ReturnDue	Date	Return date of the issued content (optional).

## 5.1.230 Property

Object provides information on property.

### *Schema*

```

<xsi:complexType name="Property">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a property</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Options" type="tns:PropertyOptions"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Type" type="tns:PropertyType"/>
    <xsi:element name="EffectiveRights" type="tns:PropertyRights" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Inherited" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="BinaryValue" type="tns:BinaryValue" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="BooleanValue" minOccurs="0" maxOccurs="unbounded">
      <xsi:complexType>
        <xsi:simpleContent>
          <xsi:extension base="xsi:boolean">
            <xsi:attribute name="key" type="xsi:string">
              <xsi:annotation>
                <xsi:documentation>Represents a pick list value
key</xsi:documentation>
              </xsi:annotation>
            </xsi:attribute>
          </xsi:extension>
        </xsi:simpleContent>
      </xsi:complexType>
    </xsi:element>
    <xsi:element name="DateValue" minOccurs="0" maxOccurs="unbounded">
      <xsi:complexType>
        <xsi:simpleContent>
          <xsi:extension base="xsi:date">
            <xsi:attribute name="key" type="xsi:string">
              <xsi:annotation>
                <xsi:documentation>Represents a pick list value key</xsi:documentation>
              </xsi:annotation>
            </xsi:attribute>
          </xsi:extension>
        </xsi:simpleContent>
      </xsi:complexType>
    </xsi:element>
    <xsi:element name="DateTimeValue" minOccurs="0" maxOccurs="unbounded">
      <xsi:complexType>
        <xsi:simpleContent>
          <xsi:extension base="xsi:dateTime">
            <xsi:attribute name="key" type="xsi:string">
              <xsi:annotation>
                <xsi:documentation>Represents a pick list value key</xsi:documentation>
              </xsi:annotation>
            </xsi:attribute>
          </xsi:extension>
        </xsi:simpleContent>
      </xsi:complexType>
    </xsi:element>
    <xsi:element name="DecimalValue" minOccurs="0" maxOccurs="unbounded">
      <xsi:complexType>
        <xsi:simpleContent>
          <xsi:extension base="xsi:decimal">
            <xsi:attribute name="key" type="xsi:string">
              <xsi:annotation>
                <xsi:documentation>Represents a pick list value key</xsi:documentation>
              </xsi:annotation>
            </xsi:attribute>
          </xsi:extension>
        </xsi:simpleContent>
      </xsi:complexType>
    </xsi:element>
  </xsi:sequence>

```

```

    </xsi:extension>
  </xsi:simpleContent>
</xsi:complexType>
</xsi:element>
<xsi:element name="DirectoryEntityValue" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:complexContent>
      <xsi:extension base="tns:DirectoryEntityInfo">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:complexContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="DoubleValue" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:double">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="Int8Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:byte">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="Int16Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:short">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="Int32Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:int">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="Int64Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>

```

```

<xsi:simpleContent>
  <xsi:extension base="xsi:long">
    <xsi:attribute name="key" type="xsi:string">
      <xsi:annotation>
        <xsi:documentation>Represents a pick list value key</xsi:documentation>
      </xsi:annotation>
    </xsi:attribute>
  </xsi:extension>
</xsi:simpleContent>
</xsi:complexType>
</xsi:element>
<xsi:element name="Int128Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:integer">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="StringValue" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:string">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="TimeValue" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:time">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="UInt8Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:short">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>
<xsi:element name="UInt16Value" minOccurs="0" maxOccurs="unbounded">
  <xsi:complexType>
    <xsi:simpleContent>
      <xsi:extension base="xsi:int">
        <xsi:attribute name="key" type="xsi:string">
          <xsi:annotation>
            <xsi:documentation>Represents a pick list value key</xsi:documentation>
          </xsi:annotation>
        </xsi:attribute>
      </xsi:extension>
    </xsi:simpleContent>
  </xsi:complexType>
</xsi:element>

```



```

        </xsi:attribute>
    </xsi:extension>
</xsi:simpleContent>
</xsi:complexType>
</xsi:element>
<xsi:element name="UInt32Value" minOccurs="0" maxOccurs="unbounded">
    <xsi:complexType>
        <xsi:simpleContent>
            <xsi:extension base="xsi:long">
                <xsi:attribute name="key" type="xsi:string">
                    <xsi:annotation>
                        <xsi:documentation>Represents a pick list value key</xsi:documentation>
                    </xsi:annotation>
                </xsi:attribute>
            </xsi:extension>
        </xsi:simpleContent>
    </xsi:complexType>
</xsi:element>
<xsi:element name="UInt64Value" minOccurs="0" maxOccurs="unbounded">
    <xsi:complexType>
        <xsi:simpleContent>
            <xsi:extension base="xsi:integer">
                <xsi:attribute name="key" type="xsi:string">
                    <xsi:annotation>
                        <xsi:documentation>Represents a pick list value key</xsi:documentation>
                    </xsi:annotation>
                </xsi:attribute>
            </xsi:extension>
        </xsi:simpleContent>
    </xsi:complexType>
</xsi:element>
<xsi:element name="UInt128Value" minOccurs="0" maxOccurs="unbounded">
    <xsi:complexType>
        <xsi:simpleContent>
            <xsi:extension base="xsi:integer">
                <xsi:attribute name="key" type="xsi:string">
                    <xsi:annotation>
                        <xsi:documentation>Represents a pick list value key</xsi:documentation>
                    </xsi:annotation>
                </xsi:attribute>
            </xsi:extension>
        </xsi:simpleContent>
    </xsi:complexType>
</xsi:element>
</xsi:sequence>
<xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>

```

*Parameters*

Options	<a href="#">PropertyOptions</a>	Property options.
Description	String	A description of the property.
Type	<a href="#">PropertyType</a>	Property type.
EffectiveRights	<a href="#">PropertyRights</a>	Effective rights to access the property (optional).
id	String	The unique identifier of the property.
Inherited	Boolean	Specifies whether the value is inherited.
BinaryValue	<a href="#">BinaryValue</a> []	Binary value.

BooleanValue	Boolean []	Boolean value.
DateValue	date []	Date value.
DateTimeValue	dateTime []	Date and time value.
DecimalValue	decimal []	Decimal value.
DirectoryEntityValue	<a href="#">DirectoryEntityInfo</a> []	Directory entity value.
DoubleValue	double []	Double value.
Int8Value	byte []	8-bit integer value.
Int16Value	short []	16-bit integer value.
Int32Value	int []	32-bit integer value.
Int64Value	long []	64-bit integer value.
Int128Value	integer []	128-bit integer value.
StringValue	string []	Set of values.
TimeValue	time []	Time value.
UInt8Value	short []	8-bit unsigned integer value.
UInt16Value	int []	16-bit unsigned integer value.
UInt32Value	long []	32-bit unsigned integer value.
UInt64Value	integer []	64-bit unsigned integer value.
UInt128Value	integer []	128-bit unsigned integer value.

### 5.1.231 PropertyACL

Object provides information on entity property right.

#### *Scheme*

```
<xsi:complexType name="PropertyACL">
  <xsi:annotation>
    <xsi:documentation>Represents a property ACL</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="PropertyACLEntry" type="tns:PropertyACLEntry" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="propertyId" type="xsi:string"/>
</xsi:complexType>
```

#### *Parameters*

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

### 5.1.232 PropertyACLCreate

Object creates the entity property access right.

#### *Scheme*

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

#### *Parameters*

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

### 5.1.233 PropertyACLEntry

Object provides information on directory entity property access right.

#### *Scheme*

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

*Parameters*

Subject	String	The unique identifier of the directory entity or attribute.
DirectoryEntityInfo	<a href="#">DirectoryEntityInfo</a>	Directory entity information (optional).
ExplicitAllowRights	<a href="#">PropertyRights</a>	Explicit allow right (optional).
ExplicitDenyRights	<a href="#">PropertyRights</a>	Explicit deny right (optional).
InheritedAllowRights	<a href="#">PropertyRights</a>	Inherited allow right (optional).
InheritedDenyRights	<a href="#">PropertyRights</a>	Inherited deny right (optional).
id	String	The unique identifier of the access right.
type	<a href="#">EntityACLEntryType</a>	The type of the access right.

**5.1.234 PropertyACLEntryCreate**

Object creates the directory entity property access right.

*Scheme*

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

*Parameters*

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

### 5.1.235 PropertyACLEntryUpdate

Object updates the directory entity property access right.

#### *Scheme*

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

#### *Parameters*

ExplicitAllowRights	<a href="#">PropertyRights</a>	Explicit allow right (optional).
ExplicitDenyRights	<a href="#">PropertyRights</a>	Explicit deny right (optional).
Id	String	The unique identifier of the access right.

### 5.1.236 PropertyACLUpdate

Object updates the directory entity property access right.

#### *Scheme*

```
<xsi:complexType name="PropertyACLUpdate">
  <xsi:annotation>
    <xsi:documentation>Defines a type for creating property ACL</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="PropertyACLEntry" type="tns:PropertyACLEntryUpdate" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="propertyId" type="xsi:string"/>
</xsi:complexType>
```

#### *Parameters*

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

### 5.1.237 PropertyOptions

Object provides information on entity property options.

*Scheme*

```
<xsi:complexType name="PropertyOptions">
  <xsi:annotation>
    <xsi:documentation>Represents a container of property options</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="appendOnly" type="xsi:boolean"/>
  <xsi:attribute name="includedInAIP" type="xsi:boolean"/>
  <xsi:attribute name="inherited" type="xsi:boolean"/>
  <xsi:attribute name="multiValue" type="xsi:boolean"/>
  <xsi:attribute name="pickList" type="xsi:boolean"/>
  <xsi:attribute name="public" type="xsi:boolean"/>
  <xsi:attribute name="readOnly" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCheckIn" type="xsi:boolean"/>
  <xsi:attribute name="readOnlyAfterCreate" type="xsi:boolean"/>
  <xsi:attribute name="required" type="xsi:boolean"/>
  <xsi:attribute name="searchable" type="xsi:boolean"/>
  <xsi:attribute name="unique" type="xsi:boolean"/>
  <xsi:attribute name="versionable" type="xsi:boolean"/>
</xsi:complexType>
```

*Parameters*

appendOnly	Boolean	Entity property value can append only.
includedInAIP	Boolean	Entity property value is included in archival information package (AIP).
Inherited	Boolean	Entity property value is inherited.
multivalued	Boolean	Entity property can have more than one value.
picklist	Boolean	Entity property has predefined values.
Public	Boolean	Entity property is public.
readOnly	Boolean	Entity property is read only.
readOnlyAfterCheckIn	Boolean	Entity property is read only after new version creation.
readOnlyAfterCreate	Boolean	Entity property is read only after entity creation.
required	Boolean	Entity property is required.
searchable	Boolean	Entity property value can be searched.
unique	Boolean	Entity property value is unique.
versionable	Boolean	Entity property is versionable.

## 5.1.238 PropertyRights

Object provides information on entity property rights.

### *Scheme*

```
<xsi:complexType name="PropertyRights">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a entity acl property
right</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="validFrom" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="validTo" type="xsi:dateTime" nillable="true" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
  <xsi:attribute name="createAccess" type="xsi:boolean"/>
  <xsi:attribute name="deleteAccess" type="xsi:boolean"/>
  <xsi:attribute name="readAccess" type="xsi:boolean"/>
  <xsi:attribute name="writeAccess" type="xsi:boolean"/>
  <xsi:attribute name="delegateContext" type="xsi:boolean"/>
  <xsi:attribute name="enabledForSubtree" type="xsi:boolean"/>
  <xsi:attribute name="enabledForThis" type="xsi:boolean"/>
</xsi:complexType>
```

### *Parameters*

validFrom	dateTime	The validity of the attribute property access rights until a given date and time (optional).
validTo	dateTime	The validity of the attribute property access rights from a given date and time (optional).
createAccess	Boolean	The right to create attribute property.
deleteAccess	Boolean	The right to delete attribute property.
readAccess	Boolean	The right to read attribute property.
writeAccess	Boolean	The right to write attribute property.
delegateContext	Boolean	Specifies whether the access right applies to the user who will log in on behalf of a delegated user (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForSubtree	Boolean	Specifies whether the inheritance of access right on contained entities is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.
enabledForThis	Boolean	Specifies whether the access right on the current entity is enabled (optional). IMiS®/ARChive Server 9.10.1910 or higher.

## 5.1.239 PropertyType

Object provides information on entity property type.

### *Scheme*

```
<xsi:simpleType name="PropertyType">
  <xsi:annotation>
    <xsi:documentation>Represents a property type enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="DirectoryEntity"/>
    <xsi:enumeration value="Bool"/>
    <xsi:enumeration value="Int8"/>
    <xsi:enumeration value="UInt8"/>
    <xsi:enumeration value="Int16"/>
    <xsi:enumeration value="UInt16"/>
    <xsi:enumeration value="Int32"/>
    <xsi:enumeration value="UInt32"/>
    <xsi:enumeration value="Int64"/>
    <xsi:enumeration value="UInt64"/>
    <xsi:enumeration value="Int128"/>
    <xsi:enumeration value="UInt128"/>
    <xsi:enumeration value="Double"/>
    <xsi:enumeration value="Date"/>
    <xsi:enumeration value="Time"/>
    <xsi:enumeration value="DateTime"/>
    <xsi:enumeration value="String10"/>
    <xsi:enumeration value="String20"/>
    <xsi:enumeration value="String30"/>
    <xsi:enumeration value="String40"/>
    <xsi:enumeration value="String50"/>
    <xsi:enumeration value="String100"/>
    <xsi:enumeration value="String200"/>
    <xsi:enumeration value="StringMax"/>
    <xsi:enumeration value="Decimal1"/>
    <xsi:enumeration value="Decimal2"/>
    <xsi:enumeration value="Decimal3"/>
    <xsi:enumeration value="Decimal4"/>
    <xsi:enumeration value="Decimal5"/>
    <xsi:enumeration value="Decimal6"/>
    <xsi:enumeration value="Decimal7"/>
    <xsi:enumeration value="Decimal8"/>
    <xsi:enumeration value="Decimal9"/>
    <xsi:enumeration value="Decimal10"/>
    <xsi:enumeration value="Binary"/>
  </xsi:restriction>
</xsi:simpleType>
```

### *Parameters*

DirectoryEntity	Enumerator
Bool	Enumerator
Int8	Enumerator
UInt8	Enumerator
Int16	Enumerator
UInt16	Enumerator
Int32	Enumerator



UInt32	Enumerator
Int64	Enumerator
UInt64	Enumerator
Int128	Enumerator
UInt128	Enumerator
Double	Enumerator
Date	Enumerator
Time	Enumerator
DateTime	Enumerator
String10	Enumerator
String20	Enumerator
String30	Enumerator
String40	Enumerator
String50	Enumerator
String100	Enumerator
String200	Enumerator
StringMax	Enumerator
Decimal1	Enumerator
Decimal2	Enumerator
Decimal3	Enumerator
Decimal4	Enumerator
Decimal5	Enumerator
Decimal6	Enumerator
Decimal7	Enumerator
Decimal8	Enumerator
Decimal9	Enumerator
Decimal10	Enumerator
Binary	Enumerator

## 5.1.240 PropertyUpdate

Object updates a property.

### Scheme

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

### Parameters

id	string	The unique identifier of the entity property.
Inherited	Boolean	Specifies whether the value is inherited.
BinaryValue	<a href="#">BinaryValue</a> []	Binary value.
BooleanValue	Boolean []	Boolean value.
DateValue	date []	Date value.
DateTimeValue	dateTime []	Date and time value.
DecimalValue	decimal []	Decimal value.
DirectoryEntityValue	string []	The unique identifier of the directory entity.
DoubleValue	double []	Double value.
Int8Value	byte []	8-bit integer value.

Int16Value	short []	16-bit integer value.
Int32Value	int []	32-bit integer value.
Int64Value	long []	64-bit integer value.
Int128Value	integer []	128-bit integer value.
StringValue	string []	Set of values.
TimeValue	time []	Time value.
UInt8Value	short []	8-bit unsigned integer value.
UInt16Value	int []	16-bit unsigned integer value.
UInt32Value	long []	32-bit unsigned integer value.
UInt64Value	integer []	64-bit unsigned integer value.
UInt128Value	integer []	128-bit unsigned integer value.

## 5.1.241 ReportRequest

Object provides request to read the entities report.

### *Scheme*

```
<xsi:complexType name="ReportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an Report operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Expression" type="xsi:string"/>
    <xsi:element name="Filter" type="tns:EntityStubFilter" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Paging" type="tns:EntityStubPaging" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="MaxDepth" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Recursive" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="ACL" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="AccessAll" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Access" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity (optional).
Expression	String	Search expression (optional).
Filter	<a href="#">EntityStubFilter</a>	Filter (optional).
Paging	<a href="#">EntityStubPaging</a>	Entity paging information (optional).
Sort	<a href="#">CollectionSort</a>	Sorting of entities (optional).
MaxDepth	unsignedInt	Specifies the maximum level in the entity hierarchy under which the search will be performed (optional).
Recursive	Boolean	Specifies whether recursive search will be performed under the selected source. Default value is true (optional).
ACL	Boolean	Specifies whether the list of access permissions under a given entity within the collection is returned. Default value is <i>false</i> (optional).
AccessAll	Boolean	Specifies whether effective permissions are returned for all directory entities under a given entity within the collection. Default value is <i>false</i> (optional).
Access	String []	Specifies whether effective permissions are returned for specific directory entities under a given entity within the collection. Values are represented by the unique identifier of the directory entity.
Reason	String	The reason for opening entities when reading the report.
Handle	String	Collection handle.

**5.1.242 ReportResponse**

Object provides response to the entities report read.

*Scheme*

```
<xsi:complexType name="ReportResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an Report operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entity" type="tns:EntityReport" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Size" type="xsi:long"/>
    <xsi:element name="Handle" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

PageStart	unsignedInt	The beginning of the page.
PageSize	unsignedShort	The size of the page.
Entity	<a href="#">EntityReport</a> []	The entity report collection.
Size	Long	The size of the entities.
Handle	String	Collection handle.

**5.1.243 Retention**

Object provides information on entity retention policies and disposition holds.

*Scheme*

```
<xsi:complexType name="Retention">
  <xsi:annotation>
    <xsi:documentation>Represents a retention object, a collection of retention policy and
    disposition hold entries attached to an entity</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Policy" type="tns:RetentionPolicyEntry" minOccurs="0"
    maxOccurs="unbounded"/>
    <xsi:element name="DispositionHold" type="tns:RetentionDispositionHoldEntry"
    minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

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

**5.1.244 RetentionDispositionHoldEntry**

Object provides information on entity disposition hold.

*Scheme*

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

*Parameters*

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

**5.1.245 RetentionDispositionHoldEntryUpdate**

Object updates an entity disposition hold.

*Scheme*

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

*Parameters*

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

**5.1.246 RetentionPoliciesReadRequest**

Object provides request to read the entity retention policies or single retention policy.

*Scheme*

```
<xsi:complexType name="RetentionPoliciesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a RetentionPoliciesRead operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the retention policy (optional).

## 5.1.247 RetentionPoliciesReadResponse

Object provides response to the entity retention policies read.

### Scheme

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

### Parameters

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

## 5.1.248 RetentionPolicy

Object provides information on entity retention policy.

### Scheme

```
<xsi:complexType name="RetentionPolicy">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a retention policy</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Accessed" type="xsi:dateTime"/>
    <xsi:element name="Created" type="xsi:dateTime"/>
    <xsi:element name="Modified" type="xsi:dateTime"/>
    <xsi:element name="Action" type="xsi:string"/>
    <xsi:element name="Creator" type="tns:DirectoryEntityInfo"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="DetailedDescription" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string"/>
    <xsi:element name="Trigger" type="xsi:string"/>
    <xsi:element name="Mandates" type="tns:ObjectItem" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

*Parameters*

Name	String	The name of the retention policy.
Accessed	dateTime	Date and time of the retention policy access (optional).
Created	dateTime	Date and time of the retention policy creation (optional).
Modified	dateTime	Date and time of the retention policy update (optional).
Action	String	The default action of the retention policy.
Creator	<a href="#">DirectoryEntityInfo</a>	The author of the retention policy.
Description	String	A description of the retention policy.
DetailedDescription	String	Detailed description of the retention policy.
Reason	String	The reason for retention policy creation.
Trigger	String	Search string to determine a time frame of a retention period.
Mandates	<a href="#">ObjectItem</a> []	The information on retention policy mandate (optional).
id	String	Unique identifier of the retention policy.

**5.1.249 RetentionPolicyAuditLogReadRequest**

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

*Scheme*

```
{code:xml}<xsi:complexType name="RetentionPolicyAuditLogReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an RetentionPolicyAuditLogRead operation
  request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the retention policy.



## 5.1.250 RetentionPolicyEntry

Object provides information on entity retention policy.

### Scheme

```
<xsi:complexType name="RetentionPolicyEntry">
  <xsi:annotation>
    <xsi:documentation>Represents a retention policy entry</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Name" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="ExplicitContext" type="tns:RetentionPolicyEntryContext"
      minOccurs="0" maxOccurs="1"/>
    <xsi:element name="InheritedContext" type="tns:RetentionPolicyEntryContext"
      minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>
```

### Parameters

Name	String	The name of the retention policy.
Description	String	A description of the retention policy.
ExplicitContext	<a href="#">RetentionPolicyEntryContext</a>	Explicit context of the retention policy.
InheritedContext	<a href="#">RetentionPolicyEntryContext</a> []	Inherited context of the retention policy.
id	String	The unique identifier of the retention policy.

## 5.1.251 RetentionPolicyEntryContext

Object provides information on entity retention policy context.

### Scheme

```
<xsi:complexType name="RetentionPolicyEntryContext">
  <xsi:annotation>
    <xsi:documentation>Represents a retention policy entry context</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Filter" type="tns:RetentionPolicyEntryFilter"/>
  </xsi:sequence>
  <xsi:attribute name="effective" type="xsi:boolean"/>
  <xsi:attribute name="scope" type="tns:RetentionPolicyEntryScopeType"/>
</xsi:complexType>
```

*Parameters*

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

**5.1.252 RetentionPolicyEntryFilter**

Object provides information on entity retention policy filter.

*Scheme*

```
<xsi:complexType name="RetentionPolicyEntryFilter">
  <xsi:annotation>
    <xsi:documentation>Represents a retention policy entry filter</xsi:documentation>
  </xsi:annotation>
  <xsi:attribute name="classes" type="xsi:boolean" use="required"/>
  <xsi:attribute name="documents" type="xsi:boolean" use="required"/>
  <xsi:attribute name="folders" type="xsi:boolean" use="required"/>
</xsi:complexType>
```

*Parameters*

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

**5.1.253 RetentionPolicyEntryScopeType**

Object provides information on entity retention policy scope type.

*Scheme*

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

*Parameters*

Allow	Allowed.
Deny	Denied.

## 5.1.254 RetentionPolicyEntryUpdate

Object updates the retention policy.

### Scheme

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

### Parameters

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

## 5.1.255 RetentionPolicyObjectsReadRequest

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

### Scheme

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

### Parameters

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

## 5.1.256 RetentionPolicyObjectsReadResponse

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

### Scheme

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

### Parameters

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

## 5.1.257 RetentionUpdate

Object updates an entity retention policy and disposition hold.

### Scheme

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

### Parameters

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

## 5.1.258 Review

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

### Scheme

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

        <xsi:element name="Item" type="tns:ReviewItemEntry" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="Members" type="xsi:string" minOccurs="0"
maxOccurs="unbounded"/>
        <xsi:element name="QueryExpression" type="xsi:string" minOccurs="0"
maxOccurs="1"/>
        <xsi:element name="RetentionPolicy" type="tns:RetentionPolicy" minOccurs="0"
maxOccurs="unbounded"/>
      </xsi:sequence>
    </xsi:extension>
  </xsi:complexContent>
</xsi:complexType>
```

### Parameters

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

## 5.1.259 ReviewAuditLogReadRequest

Object provides request to read the review audit log.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the review.

## 5.1.260 ReviewCreate

Object provides information on the review creation.

### Scheme

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

*Parameters*

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

**5.1.261 ReviewCreateRequest**

Object provides request to create review.

*Scheme*

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

*Parameters*

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

## 5.1.262 ReviewEntityStub

Object provides information on the entity at the review page.

### *Scheme*

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

### *Parameters*

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



## 5.1.263 ReviewOpenRequest

Object provides request to open the review.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the review.
EditMode	Boolean	Specifies whether the review is open in edit mode.
Reason	String	The reason for review open (optional).

## 5.1.264 ReviewItem

Object provides information on the review page.

### Scheme

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

*Parameters*

Accessed	dateTime	Date and time of the review access.
Action	String []	The actions on the review page.
Created	dateTime	Date and time of the review creation.
Entity	<a href="#">ReviewEntityStub</a> []	The collection of entities of the review page.
Id	String	The identifier of the review page.
Modified	dateTime	Date and time of the review modification.
Title	String	The title of the review.
PageStart	unsignedInt	The beginning of the review page.
PageSize	unsignedShort	The review page size.
Size	Long	Size of the collection of entities of the review page.

**5.1.265 ReviewItemEntityUpdate**

Object updates an entity of the review page.

*Scheme*

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

*Parameters*

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

## 5.1.266 ReviewItemEntry

Object provides information on the review page.

### Scheme

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

### Parameters

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

## 5.1.267 ReviewItemExportRequest

Object provides information on request to export the review page.

### Scheme

```
<xsi:complexType name="ReviewItemExportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemExport operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Type" type="tns:FormatType"/>
    <xsi:element name="ItemId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the review.
Type	<a href="#">FormatType</a>	Export type.
ItemId	String	The identifier of the review page.
Reason	String	The reason for review export.
Sort	<a href="#">CollectionSort</a>	Sorting the review pages.

**5.1.268 ReviewItemExportResponse**

Object provides information on response to export the review page.

*Scheme*

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

*Parameters*

Output	base64Binary	Dataset of the review page export.
ContentType	string	Type of the review page data export.

**5.1.269 ReviewItemImportRequest**

Object provides information on request to import the review page.

*Scheme*

```
<xsi:complexType name="ReviewItemImportRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemImport operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="Type" type="tns:FormatType"/>
    <xsi:element name="ItemId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Data" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the review.
Type	<a href="#">FormatType</a>	The export type.
ItemId	String	The identifier of the review page.
Data	base64Binary	Dataset of the review page import.
Reason	String	The reason for review export

**5.1.270 ReviewItemImportResponse**

Object provides information on response to import the review page.

*Scheme*

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

**5.1.271 ReviewItemReadRequest**

Object provides request to read the review page.

*Scheme*

```
<xsi:complexType name="ReviewItemReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ItemId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Search" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sort" type="tns:CollectionSort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the review.
ItemId	String	The identifier of the page review.
Search	String	Search string.
Sort	<a href="#">CollectionSort</a>	Sorting the review pages.
PageStart	unsignedInt	The beginning of the review page.
PageSize	unsignedShort	The review page size.
Reason	String	The reason for review page read (optional).

**5.1.272 ReviewItemReadResponse**

Object provides response to the review page read.

*Scheme*

```
<xsi:complexType name="ReviewItemReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Item" type="tns:ReviewItem"/>
    <xsi:element name="Entity" type="tns:ReviewEntityStub" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Size" type="xsi:long" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Item	<a href="#">ReviewItem</a>	Review page.
Entity	<a href="#">ReviewEntityStub</a> []	The collection of review entities.
PageStart	unsignedInt	The beginning of the review page.
PageSize	unsignedShort	The review page size.
Size	long	Size of the collection of entities of the review page.

### 5.1.273 ReviewItemUpdateRequest

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

#### Scheme

```
<xsi:complexType name="ReviewItemUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewItemUpdate operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="ItemId" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Entity" type="tns:ReviewItemEntityUpdate" minOccurs="0"
maxOccurs="unbounded"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

#### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the review.
ItemId	String	The identifier of the page review.
Entity	<a href="#">ReviewItemEntityUpdate</a> []	The collection of review entities.
Reason	String	The reason for review page update (optional).

### 5.1.274 ReviewReadRequest

Object provides request to read the review.

#### Scheme

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

#### Parameters

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

## 5.1.275 ReviewReadResponse

Object provides response to the review read.

### Scheme

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

### Parameters

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

## 5.1.276 ReviewsReadResponse

Object provides response to the reviews read.

### Scheme

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

### Parameters

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



## 5.1.277 ReviewStub

Object provides public information on the review.

### *Scheme*

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

### *Parameters*

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

Owner	<a href="#">DirectoryEntityInfo</a>	The owner of the review.
State	string	The review state.
Status	<a href="#">InheritedStringProperty</a>	The status of the review.
Title	string	The title of the review.

### 5.1.278 ReviewStubReadRequest

Object provides request to read the review public information.

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the review.

### 5.1.279 ReviewStubReadResponse

Object provides response to the review public information read.

#### *Scheme*

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

#### *Parameters*

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

## 5.1.280 ReviewTemplateReadRequest

Object provides request to read the review template.

### *Scheme*

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

### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the review.

## 5.1.281 ReviewTemplateReadResponse

Object provides response to the review template read.

### *Scheme*

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

### *Parameters*

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

## 5.1.282 ReviewTransferRequest

Object provides request to transfer entities of the review.

### *Scheme*

```
<xsi:complexType name="ReviewTransferRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an ReviewTransfer operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="AuditLog" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Evidence" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="AdditionalMetadata" type="xsi:base64Binary" minOccurs="0"
maxOccurs="1" xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Reason" type="xsi:string" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the review.
AuditLog	Boolean	Specifies whether the audit log of each entity is exported (default value: true).
Evidence	Boolean	Specifies whether the authenticity and integrity proofs are exported for each entity (default value: true).
AdditionalMetadata	base64Binary	The dataset of additional metadata on transfer (XML).
Reason	String	The reason for review transfer (optional).

## 5.1.283 ReviewUpdate

Object updates a review.

### *Scheme*

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

### *Parameters*

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

## 5.1.284 ReviewUpdateRequest

Object provides request to update the review.

### Scheme

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

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the review.
Review	<a href="#">ReviewUpdate</a>	The review.
Reason	String	The reason for review update (optional).

## 5.1.285 SessionCloseRequest

Object provides request to close the session.

### Scheme

```
<xsi:complexType name="SessionCloseRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a SessionClose operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="SessionId" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
SessionId	String []	The session identifier with which the user session can be closed (optional).

## 5.1.286 SessionCloseResponse

Object provides response to the session close.

### Scheme

```
<xsi:complexType name="SessionCloseResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a SessionClose operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence/>
</xsi:complexType>
```

## 5.1.287 SessionOpenOptions

Object provides information on additional settings when opening a session.

### Scheme

```
<xsi:complexType name="SessionOpenOptions">
  <xsi:annotation>
    <xsi:documentation>Represents an session open options</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="EntityIdEncoding" type="tns:IdEncodingType" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="EntityIdType" type="tns:IdType" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectIdEncoding" type="tns:IdEncodingType" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ObjectIdType" type="tns:IdType" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="ObjectStagingIdEncoding" type="tns:IdEncodingType" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="ObjectStagingIdType" type="tns:IdType" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

EntityIdEncoding	<a href="#">IdEncodingType</a>	Encoding entity identifiers.
EntityIdType	<a href="#">IdType</a>	Type of entity identifier.
ObjectIdEncoding	<a href="#">IdEncodingType</a>	Encoding entity object identifiers.
ObjectIdType	<a href="#">IdType</a>	Type of entity object identifiers.
ObjectStagingIdEncoding	<a href="#">IdEncodingType</a>	Encoding object identifiers.
ObjectStagingIdType	<a href="#">IdType</a>	Type of object identifiers.

## 5.1.288 SessionOpenRequest

Object provides request to open the session.

### *Scheme*

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

### *Parameters*

ArchiveId	String	The unique identifier of the archive.
Authentications	<a href="#">Authentication</a>	The authentication information.
ComputerName	String	The unique name of the computer device (optional).
ApplicationName	String	The unique name of the application (optional).
ApiVersion	int	API version (optional).
Impersonate	String	The username of the user being impersonated (optional).
Address	String	IP address of session.
Options	<a href="#">SessionOpenOptions</a>	Additional settings when opening a session.



## 5.1.289 SessionsReadRequest

Object provides information on request to read a sessions collection.

### Scheme

```
<xsi:complexType name="SessionsReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a SessionsRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"
nillable="true"/>
    <xsi:element name="Search" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Username" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Closed" type="xsi:boolean" minOccurs="0" maxOccurs="1"
nillable="true"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
PageStart	unsignedInt	The beginning of the page
PageSize	unsignedShort	The size of the page.
Search	String	Search string (optional)
Username	String	Defines the username or alias of the collection of user sessions that we are searching for (optional).
Closed	Boolean	Specifies whether sessions that were closed are returned. Default value is <i>true</i> .

## 5.1.290 SessionsReadResponse

Object provides response to the request to read the sessions collection.

### Scheme

```
<xsi:complexType name="SessionsReadResponse">
  <xsi:annotation>
    <xsi:documentation>Represents a SessionRead operation response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Size" type="xsi:unsignedInt"/>
    <xsi:element name="PageStart" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PageSize" type="xsi:unsignedShort" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Sessions" type="tns:ArchiveSession" minOccurs="0"
maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Size	unsignedInt	Size of the sessions collection.
PageStart	unsignedInt	The beginning of the page
PageSize	unsignedShort	The size of the page.
Sessions	<a href="#">ArchiveSession</a> []	Sessions collection.

**5.1.291 SignatureDisposition**

The object defines the content signature mode, which the server can verify.

*Scheme*

```
<xsi:simpleType name="EntityStubSortOrderType">
  <xsi:annotation>
    <xsi:documentation>Represents a signature disposition type
enumeration</xsi:documentation>
  </xsi:annotation>
  <xsi:restriction base="xsi:string">
    <xsi:enumeration value="Signed"/>
    <xsi:enumeration value="Valid"/>
  </xsi:restriction>
</xsi:simpleType>
```

*Parameters*

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 is allowed. and which is valid at the moment of verification (a valid digital signature, a certificate valid at the moment of verification, etc.).

**5.1.292 SortOrderType**

Object provides the sort direction of the collection.

*Scheme*

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

*Parameters*

Ascending	Ascending sort order.
Descending	Descending sort order.

**5.1.293 SessionOpenResponse**

Object provides response to the session open.

*Scheme*

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

*Parameters*

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

**5.1.294 StagedObject**

Object provides information on entity object.

*Scheme*

```
<xsi:complexType name="StagedObject">
  <xsi:annotation>
    <xsi:documentation>Defines a staged object type</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Size" type="xsi:long"/>
    <xsi:element name="ContentType" type="xsi:string"/>
    <xsi:element name="Extension" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Content" type="xsi:base64Binary" minOccurs="0" maxOccurs="1"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
    <xsi:element name="Staged" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Id	string	The unique identifier of the entity object.
Size	long	The content object size (in bytes).
ContentType	string	Content object type.
Extension	string	Extension of the content object file.
Content	base64Binary	The content of the entity (optional).
Staged	Boolean	Defines whether the object is located in unstructured storage.

**5.1.295 SystemProperties**

Object provides information on system metadata.

*Scheme*

```

<xsi:complexType name="SystemProperties">
  <xsi:annotation>
    <xsi:documentation>Represents a definition of a system properties</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Title" type="tns:Property"/>
    <xsi:element name="Description" type="tns:Property"/>
    <xsi:element name="Keywords" type="tns:Property"/>
    <xsi:element name="Status" type="tns:Property"/>
    <xsi:element name="SecurityClass" type="tns:Property"/>
    <xsi:element name="Owner" type="tns:Property"/>
    <xsi:element name="ExternalIds" type="tns:Property"/>
    <xsi:element name="Opened" type="tns:Property"/>
    <xsi:element name="Closed" type="tns:Property"/>
    <xsi:element name="Creator" type="tns:Property"/>
    <xsi:element name="Significance" type="tns:Property"/>
    <xsi:element name="ModifiedBy" type="tns:Property" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PhysicalProperties" type="tns:TemplatePhysicalProperties"
minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EmailProperties" type="tns:TemplateEmailProperties" minOccurs="0"
maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>

```

*Parameters*

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

**5.1.296 Template**

Object provides information on template.

*Scheme*

```

<xsi:complexType name="Template">
  <xsi:annotation>
    <xsi:documentation>Represents a template</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Label" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EntityType" type="tns:EntityType" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Description" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EntityCount" type="xsi:unsignedInt" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="PhysicalProperties" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="EmailProperties" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Versionable" type="xsi:boolean" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="SystemProperties" type="tns: SystemProperties" minOccurs="0"
maxOccurs="1"/>
    <xsi:element name="Property" type="tns:Property" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
  <xsi:attribute name="id" type="xsi:string"/>
</xsi:complexType>

```

*Parameters*

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

### 5.1.297 TemplateEmailProperties

Object provides information on email system metadata.

*Scheme*

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

*Parameters*

Subject	<a href="#">Property</a>	Email subject.
From	<a href="#">Property</a>	Email address of the sender.
To	<a href="#">Property</a>	Email addresses of the recipients.
CC	<a href="#">Property</a>	Email addresses of the carbon copy recipients.
BCC	<a href="#">Property</a>	Email addresses of the hidden recipients.
Date	<a href="#">Property</a>	Date and time of email.

MessageId	<a href="#">Property</a>	Email identifier.
Priority	<a href="#">Property</a>	Email significance.
Signed	<a href="#">Property</a>	Property that shows whether an email is electronically signed.

## 5.1.298 TemplateInfo

Object provides information on the template.

### Scheme

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

### Parameters

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

## 5.1.299 TemplatePhysicalProperties

Object provides information on system metadata of physical properties.

### Scheme

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

*Parameters*

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

**5.1.300 TemplatesReadRequest**

Object provides request to read templates.

*Scheme*

```
<xsi:complexType name="TemplatesReadRequest">
  <xsi:annotation>
    <xsi:documentation>Represents a TemplatesRead operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="xsi:string" minOccurs="0" maxOccurs="1"/>
    <xsi:element name="Field" type="xsi:string" minOccurs="0" maxOccurs="unbounded"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	String	The unique identifier of the template (optional).
Field	String []	Defines the fields in the reply.

**5.1.301 TemplatesReadResponse**

Object provides response to the templates read.

*Scheme*

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



*Parameters*

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

**5.1.302 UploadSessionCreateRequest**

The object provides information on the request to create an upload session.

*Scheme*

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

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity (supported Handle type only).
ContentType	String	The content type.

**5.1.303 UploadSessionCreateResponse**

The object provides information on the response to the request to create an upload session.

*Scheme*

```
<xsi:complexType name="UploadSessionCreateResponse">
  <xsi:annotation>
    <xsi:documentation>Represents an UploadSessionCreate operation
response</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="Id" type="xsi:string"/>
    <xsi:element name="Parts" type="xsi:long" minOccurs="0" maxOccurs="1"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

Id	String	Identifier of an upload session.
Parts	long	Number of parts in an upload session.

### 5.1.304 UploadSessionDeleteRequest

The object provides information on the request to delete an upload session.

#### *Scheme*

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

#### *Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity (supported Handle type only).
SessionId	String	Identifier of an upload session.

### 5.1.305 UploadSessionDeleteResponse

The object provides information on the response to the request to delete an upload session.

#### *Scheme*

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

### 5.1.306 UploadSessionSaveRequest

The object provides information on the request to save an upload session.

#### *Scheme*

```
<xsi:complexType name="UploadSessionSaveRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an UploadSessionSave operation request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="SessionId" type="xsi:string"/>
    <xsi:element name="Description" type="xsi:string"/>
    <xsi:element name="ContainerId" type="xsi:string"/>
  </xsi:sequence>
</xsi:complexType>
```

*Parameters*

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity (supported Handle type only).
SessionId	String	Identifier of an upload session.
Description	String	The content description.
ContainerId	String	The unique identifier of additional entity content object container (optional).

**5.1.307 UploadSessionSaveResponse**

The object provides information on the response to the request to save an upload session.

*Scheme*

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

*Parameters*

Object	<a href="#">ObjectItem</a>	An object that has been saved.
--------	----------------------------	--------------------------------

**5.1.308 UploadSessionUpdateRequest**

The object provides information on the request to add content to an upload session.

*Scheme*

```
<xsi:complexType name="UploadSessionUpdateRequest">
  <xsi:annotation>
    <xsi:documentation>Represents an UploadSessionUpdate operation
request</xsi:documentation>
  </xsi:annotation>
  <xsi:sequence>
    <xsi:element name="SessionToken" type="xsi:string"/>
    <xsi:element name="Id" type="tns:EntityId"/>
    <xsi:element name="SessionId" type="xsi:string"/>
    <xsi:element name="RangeFrom" type="xsi:long"/>
    <xsi:element name="RangeTo" type="xsi:long"/>
    <xsi:element name="Content" type="xsi:base64Binary"
xmlns:xmime="http://www.w3.org/2005/05/xmlmime"
xmime:expectedContentTypes="application/octet-stream"/>
  </xsi:sequence>
</xsi:complexType>
```

### Parameters

SessionToken	String	The unique identifier of the session.
Id	<a href="#">EntityId</a>	The unique identifier of the entity (supported for Handle type only).
SessionId	String	The session identifier.
RangeFrom	long	The initial position of the content to be read (optional).
RangeTo	long	The final position of the content to be read (optional).
Content	base64Binary	Content to be added.

## 5.2 Start page

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

**IMiS/StorageConnector Services SOAP**

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

**Service definition**

**Archives**

```

iarc96.imis.si
  Id IARC96
  Name iarc96.imis.si
  Host iarc96.imis.si:16807

iarc971
  Id IARC97
  Name iarc971
  Host iarc971.imis.si:16807

iarc98.imis.si
  Id IARC98
  Name iarc98.imis.si
  Host iarc98.imis.si:16807

dev-jure1
  Id IARCJ1
  Name dev-jure1
  Host dev-jure1.imis.si:16807

```

**More Information**

Imaging Systems Inc.  
+386 59 070 000  
info@imis.eu

IMiS®/StorageConnector Services SOAP v9.1.1712.101

Image 1: Start page of SOAP interface

## 5.3 Web.xml configuration

An example of web.xml configuration is given below.

### *Scheme*

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

### *Parameters*

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

## 5.4 Archives

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

Operation with the archive is described below.

### 5.4.1.1 Archives read

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

#### Request

See chapter [ArchivesReadRequest](#)

#### Response

See chapter [ArchivesReadResponse](#)

**Example**Request

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

Response

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

**5.4.2 Archive read**

Operation reads the archive server and user roles.

Request

See chapter [ArchiveReadRequest](#)

Response

See chapter [ArchiveReadResponse](#)

## Example

### Request

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

### Response

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

### 5.4.2.1 Archive certificate read

Operation obtains the archive server certificate.

#### Request

See chapter [ArchiveCertificateReadRequest](#)

#### Response

See chapter [ArchiveCertificateReadResponse](#)

## Example

### Request

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

### Response

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

<Certificate>LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tDQpNSU1ET2pDQ0FpSUNDUURPQS96VnhGTGNUEkFOQmd
rcWhraUc5dzBCQVFeZrRkFEQmZNUmN3R1FZRFZRUUREQTVwDQpZWEpqt1RndWFXMXBjeTV6YVRFU01BNEdBmVVFQ3d3SFU
yVnlkbVZ5Y3pFbE1DTUdBMVVFQ2d3Y1NVmXBEVt1CDQpVa05vYVhabElGTjBiM0poWjJVZ1UyVnlkbVZ5Y3pFTE1Ba0d
BMVVFQmhnQ1ZWTXIdIaGN0TVRjd05ESTRNVE0wDQpOek16V2hjTk1qY3dOREk1TVRNME56SXpXakJmTVJjd0ZRURWUVF
EREElcFlYsmpPVGdlYVcxcGN5NXphVEVRDQpNQTRHQTFRVUN3d0hVM1Z5ZG1WeWN6RWxNQ01HQTFVRUNnd2NTVTFwVXk
5Q1VrTm9hWFpsSUZOMGIzSmhaM1VndQpVM1Z5ZG1WeWN6RUxNQWtHQTFVRUJoTUNWVk13Z2dFaU1BMEgDU3FHU01iM0R
RRUJBUUVBQTRJQkR3QXdnZ0VLDQpBb01CQVFDQ0FF3ZTBBN0hGcHROOTBzcU03U0RnRERGYUZ5dVd2RXFQTUVEc1JpPds9
maEh3ZTRFUTBsNWpWZmRFDQptU28rUFVEZnJqR31WbGVsQm9SbkhVUkJsSzk3dH1qb1JEM1I1ZFlZTT15Qz1NemtjdUw
rT0QxdGQ3ZU9zTzhtDQovVmcyTV1VaksrejZJRzNOAGtvUEMwc3dCZGxYSVVoWkhNbk5QSVRYjNjdmV0a25haHE1d0N
YaU96eDVESVdoDQpic2FIQm9BWng1d2ltOVFEajU3WFNxcERRRzJtdnU3dXZtMHZzOEJuM1JzY1N1N1puM3NEbXcvbG0
xYnc2STBODQpvsGntcWNFTHdhRXc5dUZWcmF4c2ZRaGJxV2RuNkF6cn1JN1p2QnVhK1pwMDBJZ1pvS3J5VWNRK2tSe1V
SQ1RWDQp2cHEyY0pWMDh6YzFOak1PazgwSmpRRDnrMnBCQWdNqkFBRXdEUVlKS29aSWh2Y05BUUVMQlFBRGdnRUJBR1J
1DQpNSXR1dXcxRGVPTk9pSTQrOVNLb3ZOM31wSkFZVm1oNGRnSWh0Nk9WUES4chQvYitjSS9LdXZ2WnF3Y2p4L1ZHDQp
2TG1UR2g4TXgwZTNIUnhFNVlvYVJndVVDQy9vUjJ2ZUVzNVZLOTE4ejBxbEVlc31zTmZ5NUdZ2xPRUI0SWp0DQpaOXJ
0SFFkaUt5bnZIWT1UUjBNU1RUK3dDbmhiMVZObmk4eWV5NmZSzk5VYW1FQ3NabG95U2tDRFREYkRnZi8rDQpiQVhhMmx
kTzZteHbnV2JqNgdIZElwVTdsNWdmdERGZSthalzkTExuV1hBTvVhU3Z2Z01TMUpsZ2VCRkZ1dDk0DQpld1d6YmNLMzV
UWjRnS0VLWUppZnIvbnhGNHcrTDI3ZjZLSGFqcZBMMnowc3c4OXQWWhpSWFNRMGVDck1qZFYyDQo4RGLXdlA2ekhSQzZ
zSFpRYmdBPQ0KLS0tLS1FTkQpQ0VSVelGSUNBEUtLS0tLQ==</Certificate>
    </ArchiveCertificateReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.5 Session

### 5.5.1 Session open

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

#### Request

See chapter [SessionOpenRequest](#)

#### Response

See chapter [SessionOpenResponse](#)



## Example of the session open

### Request

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

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <SessionOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <SessionToken>8zLphtCBKj2QjLHJrz2WDaeZ8D808ZL4JA80S09keJRihUHHJ</SessionToken>
      <ApiVersion>6</ApiVersion>
      <ServiceName>IMiS/ARChive Storage Server 9.10.1910.700</ServiceName>
      <ServiceVersion>700</ServiceVersion>
    </SessionOpenResponse>
  </S:Body>
</S:Envelope>
```

## 5.5.2 Session close

Operation closes the session.

### Request

See chapter [SessionCloseRequest](#)

### Response

See chapter [SessionCloseResponse](#)

## Example of the session close

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:SessionCloseRequest>
      <ser:SessionToken>d93dc19a-0acb-42ce-8b0b-0dddb62592dc</ser:SessionToken>
    </ser:SessionCloseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

### **5.5.3 User sessions read**

Operation retrieves a collection of all the user sessions opened by the user. The response never sends a “session token” for a specific session but a unique identifier which can be used to close the session. The user can see only their own sessions that were opened with the same user profile. The administrator profile can view all user sessions. The sessions collection read enables reading by pages and searching for sessions.

#### Request

See chapter [SessionsReadRequest](#)

#### Response

See chapter [SessionsReadResponse](#)

## **5.6 Entity**

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

### **5.6.1 Entities read**

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

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

## Request

See chapter [EntitiesReadRequest](#)

## Response

See chapter [EntitiesReadResponse](#)

## Example of the entities read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitiesReadRequest>
      <ser:SessionToken>1f8a087c-b749-49eb-b65c-16598cf42a18</ser:SessionToken>
    </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

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

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

**Response****Scheme**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitiesReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <EntityStub id="gYq2dIJTWPzK2HKMrgcvZ25OvR4q4KndHGwYVfDg-jM">
        <ClassificationCode>C=60^D=00010</ClassificationCode>
        <PublicClassificationCode>60/00010</PublicClassificationCode>
        <Title>Business plan September</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="gsPSVmGksmrUCCetPtMvi8onjbnIT4beZTW3NbSIM_g">
        <ClassificationCode>C=60^D=00012</ClassificationCode>
        <PublicClassificationCode>60/00012</PublicClassificationCode>
        <Title>Business plan October</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="GOgodd_8wz_z8dyj5ZAJXr6W8RkSzPSKzSpVTvVRaso">
        <Description>Opis...</Description>
        <ClassificationCode>C=60^D=00102</ClassificationCode>
        <PublicClassificationCode>60/00102</PublicClassificationCode>
        <Title>Business plan November</Title>
        <Type>Document</Type>
      </EntityStub>
      <EntityStub id="aIgT0BJxPaMCjwKsMnr0YlrMwKyWyKLzkyHMz1szQ9E">
        <ClassificationCode>C=60^D=00106</ClassificationCode>
        <PublicClassificationCode>60/00106</PublicClassificationCode>
        <Title>Business plan December</Title>
        <Type>Document</Type>
      </EntityStub>
    </EntitiesReadResponse>
  </S:Body>
</S:Envelope>
```

## Example of the entities read with filter and paging

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitiesReadRequest>
      <ser:SessionToken>86Nr7fwQhgd6Ob15rowm1VGiaE6m707qDCu0M9c</ser:SessionToken>
      <ser:Filter all="true"/>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
        <ser:Refresh>>false</ser:Refresh>
      </ser:Paging>
    </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="5QU235hDXyEJ0uJ8_Z_XY-DWTaHK7cpR">
        <ClassificationCode>C=01</ClassificationCode>
        <PublicClassificationCode>01</PublicClassificationCode>
        <Title>Administration</Title>
        <Type>Class</Type>
        <Description>Company documentation and correspondence</Description>
        <Permanent>>false</Permanent>
        <ChildCount>6</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="jturner">
          <FirstName>Jerry</FirstName>
          <LastName>Turner</LastName>
          <Email>jerry.turner@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </Template>
        <Created>2019-01-10T18:18:35.541Z</Created>
        <Accessed>2019-05-07T10:05:41.630Z</Accessed>
        <Modified>2019-05-06T10:16:04.340Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2019-01-10T18:18:35.541Z</Opened>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Status inherited="true">Opened</Status>
        <SubEntityTemplate id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </SubEntityTemplate>
        <SubEntityTemplate id="Case">
```

```

    <Label>Case</Label>
    <EntityType>Folder</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="Email">
    <Label>E-mail</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="Document">
    <Label>Document</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="doc02">
    <Label>Document 2</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <Keyword>admin</Keyword>
  <Keyword>aaa</Keyword>
  <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>true</AIP>
  <HasReferences>false</HasReferences>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</EntityStub>
<EntityStub id="8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS">
  <ClassificationCode>C=02</ClassificationCode>
  <PublicClassificationCode>02</PublicClassificationCode>
  <Title>Finance</Title>
  <Type>Class</Type>
  <Description>Account payable, Accounts receiveable, Banking, Budgeting,
Payments</Description>
  <Permanent>false</Permanent>
  <ChildCount>6</ChildCount>
  <Creator id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </Creator>
  <Template id="Class">
    <Label>Class</Label>
    <EntityType>Class</EntityType>
  </Template>
  <Created>2019-01-10T18:18:43.513Z</Created>
  <Accessed>2019-05-07T10:05:36.732Z</Accessed>
  <Modified>2019-04-24T07:09:45.978Z</Modified>
  <ModifiedBy id="jturner">
    <FirstName>Jerry</FirstName>
    <LastName>Turner</LastName>
    <Email>jerry.turner@acme.com</Email>
    <Type>User</Type>
  </ModifiedBy>
  <Opened>2019-01-10T18:18:43.513Z</Opened>
  <SecurityClass inherited="true"/>
  <Significance inherited="true"/>
  <Status inherited="true">Opened</Status>
  <SubEntityTemplate id="Class">
    <Label>Class</Label>
    <EntityType>Class</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="Case">
    <Label>Case</Label>
    <EntityType>Folder</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="Email">
    <Label>E-mail</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="Document">

```

```

    <Label>Document</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="doc02">
    <Label>Document 2</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>true</AIP>
  <HasReferences>true</HasReferences>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</EntityStub>
<PageStart>0</PageStart>
<PageSize>2</PageSize>
<Size>15</Size>
</EntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.6.2 Entity public information read

Operation reads the entity public information on single entity.

### Request

See chapter [EntityStubReadRequest](#)

### Response

See chapter [EntityStubReadResponse](#)

### Example of the entity public information read

#### Request

```

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

```

Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityStubReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="q9uOxrl_VCmwraHqTau5QOXF5bTWHowM">
        <ClassificationCode>C=05</ClassificationCode>
        <PublicClassificationCode>05</PublicClassificationCode>
        <Title>Human Resources and Payroll</Title>
        <Type>Class</Type>
        <Description>Employee records</Description>
        <Permanent>>false</Permanent>
        <ChildCount>9</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </Template>
        <Created>2018-11-13T12:27:04.000Z</Created>
        <Accessed>2018-11-27T07:32:37.000Z</Accessed>
        <Modified>2018-11-13T12:27:04.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2018-11-13T12:27:04.000Z</Opened>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Status inherited="true">Opened</Status>
        <Retention>
          <Policy id="6tYEePqNjXQcdXj1Xqd014IREiQxQfzJ">
            <Name>Permanent</Name>
            <Description>Permanent retention</Description>
            <ExplicitContext effective="true" scope="Allow">
              <Filter classes="true" documents="true" folders="true"/>
            </ExplicitContext>
          </Policy>
        </Retention>
        <SubEntityTemplate id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </SubEntityTemplate>
        <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>true</HasReferences>
        <HasVersions>>false</HasVersions>
        <HasDraft>>false</HasDraft>
      </EntityStub>
    </EntityStubReadResponse>
  </S:Body>
</S:Envelope>

```



### 5.6.3 Entity open

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

#### Request

See chapter [EntityOpenRequest](#)

#### Response

See chapter [EntityOpenResponse](#)

#### Example of the entity open for reading

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityOpenRequest>
      <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=108</ser:Id>
      <ser:EditMode>false</ser:EditMode>
    </ser:EntityOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityOpenResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Id type="Handle">1zQghtYD2ysVfs7C</Id>
    </EntityOpenResponse>
  </S:Body>
</S:Envelope>
```

#### Example of the entity open for editing

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityOpenRequest>
      <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=108</ser:Id>
      <ser:EditMode>true</ser:EditMode>
    </ser:EntityOpenRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

## 5.6.4 Entity open for creating

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

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

## Request

See chapter [EntityOpenCreateRequest](#)

## Response

See chapter [EntityOpenResponse](#)

## Example of the entity create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityOpenCreateRequest>
      <ser:SessionToken>dd238f19-e822-435e-9969-0967f18e8127</ser:SessionToken>
      <ser:ParentId type="Internal">k-QWhTOaNaBMZU0P60p8F1boaktvbxFw</ser:ParentId>
      <ser:Template>Class</ser:Template>
    </ser:EntityOpenCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.6.5 Entity close

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

### Request

See chapter [EntityCloseRequest](#)

### Response

See chapter [EntityCloseResponse](#)

### Example of the entity close

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityCloseRequest>
      <ser:SessionToken>a90b757a-91f5-497d-8a94-204769f87c4f</ser:SessionToken>
      <Id type="Handle">168568e1-950e-4553-9619-7acbb781238f</Id>
    </ser:EntityCloseRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

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

## 5.6.6 Entity read

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

### Request

See chapter [EntityReadRequest](#)

## Response

See chapter [EntityReadResponse](#)

## Example of the entity read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
    </ser:EntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS">
        <ClassificationCode>C=02</ClassificationCode>
        <PublicClassificationCode>02</PublicClassificationCode>
        <Title>Finance</Title>
        <Type>Class</Type>
        <Description>Account payable, Accounts receiveable, Banking, Budgeting,
Payments</Description>
        <Permanent>>false</Permanent>
        <ChildCount>6</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </Template>
        <Created>2019-01-10T18:18:43.513Z</Created>
        <Accessed>2019-05-08T13:51:23.560Z</Accessed>
        <Modified>2019-04-24T07:09:45.978Z</Modified>
        <ModifiedBy id="jturner">
          <FirstName>Jerry</FirstName>
          <LastName>Turner</LastName>
          <Email>jerry.turner@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2019-01-10T18:18:43.513Z</Opened>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Status inherited="true">Opened</Status>
        <Retention>
          <Policy id="7i4QHR5OcoMJzYr8EglUp5wGr3TS00ez">
            <Name>Permanent</Name>
            <Description>Permanent retention</Description>
            <ExplicitContext effective="true" scope="Allow">
              <Filter classes="true" documents="true" folders="true"/>
            </ExplicitContext>
          </Policy>
        </Retention>
```

```

<SubEntityTemplate id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Case">
  <Label>Case</Label>
  <EntityType>Folder</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Email">
  <Label>E-mail</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Document">
  <Label>Document</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="doc02">
  <Label>Document 2</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>true</AIP>
  <HasReferences>true</HasReferences>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
</EntityReadResponse>
</S:Body>
</S:Envelope>

```

## Example of the document read

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReadRequest>
      <ser:SessionToken>nf10Uq0JttekFGqJ3XF6VjJTdG9NOsJ6OW8divuQbdxXT9z</ser:SessionToken>
      <ser:Id>tK2lu6VnyhTvjFP0opd-edNhfy5quorV</ser:Id>
    </ser:EntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

### Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="tK2lu6VnyhTvjFP0opd-edNhfy5quorV">
        <ClassificationCode>C=02^C=01^C=02^F=2019-000037^D=000002</ClassificationCode>
        <PublicClassificationCode>02.01.02-2019-000037/000002</PublicClassificationCode>
        <Title>NE Meeting!</Title>
        <Type>Document</Type>
        <Description>3.592824.LORERLSUCB2NWUZPLOZIOM0YS0R42C0PB</Description>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
      </Entity>
    </EntityReadResponse>
  </S:Body>
</S:Envelope>

```

```

<Owner id="anelson">
  <FirstName>Alex</FirstName>
  <LastName>Nelson</LastName>
  <Email>alex.nelson@acme.com</Email>
  <Type>User</Type>
</Owner>
<Template id="FiledDocument">
  <Label>Filed Document</Label>
  <EntityType>Document</EntityType>
</Template>
<Created>2002-11-30T08:00:00.000Z</Created>
<Accessed>2019-05-08T13:54:36.732Z</Accessed>
<Modified>2019-01-10T19:06:43.885Z</Modified>
<ModifiedBy id="admin">
  <FirstName/>
  <LastName>Administrator</LastName>
  <Email>admin@acme.com</Email>
  <Type>User</Type>
</ModifiedBy>
<SecurityClass inherited="true"/>
<Significance inherited="true"/>
<ParentId type="Internal">yum-2s1EFudCqzUJ5AR1Mpbo8d6e-bV3</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<AIP>true</AIP>
<HasReferences>false</HasReferences>
<HasVersions>false</HasVersions>
<HasDraft>false</HasDraft>
<PhysicalProperties/>
<Object id="GxeHz0tfRn2quAbwJtj77e4Gik2uQFP5">
  <Description>01101.pdf</Description>
  <Size>373408</Size>
  <ChildCount>0</ChildCount>
  <Indexed>true</Indexed>
  <Signed>false</Signed>
  <Created>2019-01-10T19:06:43.886Z</Created>
  <Accessed>2019-02-14T07:59:56.821Z</Accessed>
  <Modified>2019-01-10T19:06:43.886Z</Modified>
  <ContentType>application/pdf</ContentType>
  <Extension>.pdf</Extension>
</Object>
</Entity>
</EntityReadResponse>
</S:Body>
</S:Envelope>

```

## 5.6.7 Entity create

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

### Request

See chapter [EntityCreateRequest](#)

### Response

See chapter [EntityCreateResponse](#)

**Example of the entity create on the archive root**Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityCreateRequest>
      <ser:SessionToken>ZoJD0eXvvEvXGr1xMKNetFNOgDT7Xfd1bGi8CqKnjNfzqGUw</ser:SessionToken>
      <ser:EntityCreate>
        <ser:Template>Class</ser:Template>
        <ser:Title>Supply Chain management</ser:Title>
        <ser:Retention>
          <ser:Policy scope="Allow" id="6IxWCwZuYSq1N79iiNsSSpSV62aMbl5j">
            <ser:Filter classes="true" documents="true" folders="true"/>
          </ser:Policy>
        </ser:Retention>
      </ser:EntityCreate>
    </ser:EntityCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="72Rt0SkHkIQGfKpPQYMLBvNKu15rCgbf">
        <ClassificationCode>C=27</ClassificationCode>
        <PublicClassificationCode>27</PublicClassificationCode>
        <Title>Supply Chain management</Title>
        <Type>Class</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="Class">
          <Label>Class</Label>
          <EntityType>Class</EntityType>
        </Template>
        <Created>2019-05-08T14:43:10.344Z</Created>
        <Accessed>2019-05-08T14:43:10.344Z</Accessed>
        <Modified>2019-05-08T14:43:10.344Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Opened>2019-05-08T14:43:10.344Z</Opened>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Status inherited="true">Opened</Status>
        <Retention>
          <Policy id="6IxWCwZuYSq1N79iiNsSSpSV62aMbl5j">
            <Name>10 years</Name>
            <Description>Dispose after 10 years retention</Description>
            <ExplicitContext effective="true" scope="Allow">
              <Filter classes="true" documents="true" folders="true"/>
            </ExplicitContext>
          </Policy>
        </Retention>
      </Entity>
    </EntityCreateResponse>
  </S:Body>
</S:Envelope>
```

```

<SubEntityTemplate id="Class">
  <Label>Class</Label>
  <EntityType>Class</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Case">
  <Label>Case</Label>
  <EntityType>Folder</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Email">
  <Label>E-mail</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="Document">
  <Label>Document</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="doc02">
  <Label>Document 2</Label>
  <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>false</AIP>
  <HasReferences>false</HasReferences>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
</EntityCreateResponse>
</S:Body>
</S:Envelope>

```

## Example of the document with content create

### Request

```

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

```



**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="-GSj8MuVJIzrzhtYeOgejDlMq1NQVgox">
        <ClassificationCode>C=01^C=06^F=2019-000002^D=000007</ClassificationCode>
        <PublicClassificationCode>01.06-2019-000002/000007</PublicClassificationCode>
        <Title>Document</Title>
        <Type>Document</Type>
        <Description>Text document</Description>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-05-09T07:34:54.083Z</Created>
        <Accessed>2019-05-09T07:34:54.083Z</Accessed>
        <Modified>2019-05-09T07:34:54.083Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Keyword>Text</Keyword>
        <ParentId type="Internal">5SYVgNVXCHHWvti8z8LSVuGmN6G08X0U</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>false</AIP>
        <HasReferences>false</HasReferences>
        <HasVersions>false</HasVersions>
        <HasDraft>false</HasDraft>
        <PhysicalProperties/>
        <Object id="u6iN-JBPizWkX3fbYrjfVIIhI9bLbLy7">
          <Description>Data</Description>
          <Size>18</Size>
          <ChildCount>0</ChildCount>
          <Indexed>false</Indexed>
          <Signed>false</Signed>
          <Created>2019-05-09T07:34:54.083Z</Created>
          <Accessed>2019-05-09T07:34:54.083Z</Accessed>
          <Modified>2019-05-09T07:34:54.083Z</Modified>
          <ContentType>text/plain</ContentType>
          <Extension>.txt</Extension>
        </Object>
      </Entity>
    </EntityCreateResponse>
  </S:Body>
</S:Envelope>

```

## 5.6.8 Creating an entity from an email message

The operation creates an entity under the selected entity from the email message content.

Compatibility: IMiS®/ARChive Server 10.1 or higher.

### Request

See chapter [EntityCreateRequest](#)

### Response

See chapter [EntityCreateResponse](#)

## 5.6.9 Entity delete

Operation deletes an entity.

### Request

See chapter [EntityDeleteRequest](#)

### Response

See chapter [EntityDeleteResponse](#)

### **Example of the entity delete**

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityDeleteRequest>
      <ser:SessionToken>66f818c2-d4ba-47b0-8000-9ce5e73ea06b</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=216^C=39</ser:Id>
      <ser:Reason>Class with folders and documents won't be needed any more</ser:Reason>
    </ser:EntityDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

## 5.6.10 Entity update

Operation updates an entity attributes.

### Request

See chapter [EntityUpdateRequest](#)

### Response

See chapter [EntityUpdateResponse](#)

## Example of the entity update

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityUpdateRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgU3</ser:SessionToken>
      <ser:Id type="Internal">-GSj8MuVJIzrzhtYeOgejD1Mq1NQVgox</ser:Id>
      <ser:EntityUpdate>
        <ser:Title>Text document</ser:Title>
        <ser:Description>Monthly finance reports</ser:Description>
        <ser:Owner>kclay</ser:Owner>
        <ser:Keyword>text</ser:Keyword>
        <ser:Keyword>finance</ser:Keyword>
      </ser:EntityUpdate>
    </ser:EntityUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Entity id="-GSj8MuVJIzrzhTYeOgejDlMq1NQVgox">
        <ClassificationCode>C=01^C=06^F=2019-000002^D=000007</ClassificationCode>
        <PublicClassificationCode>01.06-2019-000002/000007</PublicClassificationCode>
        <Title>Text document</Title>
        <Type>Document</Type>
        <Description>Monthly finance reports</Description>
        <Permanent>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="kclay">
          <FirstName>Keira</FirstName>
          <LastName>Clay</LastName>
          <Email>keira.clay@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-05-09T07:34:54.083Z</Created>
        <Accessed>2019-05-09T07:51:47.917Z</Accessed>
        <Modified>2019-05-09T07:52:52.793Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <Significance inherited="true"/>
        <Keyword>text</Keyword>
        <Keyword>finance</Keyword>
        <ParentId type="Internal">5SYVgNVXCHHWVti8z8LSVuGmN6GO8X0U</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>true</AIP>
        <HasReferences>false</HasReferences>
        <HasVersions>false</HasVersions>
        <HasDraft>false</HasDraft>
        <PhysicalProperties/>
        <Object id="u6iN-JBPizWkX3fbYrjfVIIhI9bLbLy7">
          <Description>Data</Description>
          <Size>18</Size>
          <ChildCount>0</ChildCount>
          <Indexed>true</Indexed>
          <Signed>false</Signed>
          <Created>2019-05-09T07:34:54.083Z</Created>
          <Accessed>2019-05-09T07:45:41.277Z</Accessed>
          <Modified>2019-05-09T07:34:54.083Z</Modified>
          <ContentType>text/plain</ContentType>
          <Extension>.txt</Extension>
        </Object>
      </Entity>
    </EntityUpdateResponse>
  </S:Body>
</S:Envelope>

```

## 5.6.11 Entity status update

Operation updates an entity status.

### Request

See chapter [EntityStatusUpdateRequest](#)

### Response

See chapter [EntityStatusUpdateResponse](#)

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

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityStatusUpdateRequest>
      <ser:SessionToken>3e5751cd-b68c-43cd-9496-5713a46964f4</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=216^C=40</ser:Id>
      <ser:Status>Closed</ser:Status>
    </ser:EntityStatusUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

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

## 5.6.12 Entity security class update

Operation updates an entity security class.

### Request

See chapter [EntitySecurityClassUpdateRequest](#)

### Response

See chapter [EntitySecurityClassUpdateResponse](#)

## Example of the entity security class update

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitySecurityClassUpdateRequest>
      <ser:SessionToken>39adbc4b-ac3d-43e2-b88d-e0a848593310</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=216^C=40</ser:Id>
      <ser:SecurityClass>Confidential</ser:SecurityClass>
      <ser:Reason>Test</ser:Reason>
    </ser:EntitySecurityClassUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.6.13 Entity classification code update

Operation updates an entity classification code.

### Request

See chapter [EntityClassificationCodeUpdateRequest](#)

### Response

See chapter [EntityClassificationCodeUpdateResponse](#)

## 5.6.14 Entity retention policy create

Operation creates an entity retention policy.

### Request

See chapter [EntityRetentionPolicyEntriesCreateRequest](#)

### Response

See chapter [EntityRetentionPolicyEntriesCreateResponse](#)

## Example of the entity retention policy create

### Request

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

### Response

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

## 5.6.15 Entity retention policy update

Operation updates an entity retention policy.

### Request

See chapter [EntityRetentionPolicyUpdateRequest](#)

### Response

See chapter [EntityRetentionPolicyUpdateResponse](#)

## Example of the entity retention policy update

### Request

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

### Response

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

## 5.6.16 Entity retention policy update

Operation executes an entity retention policies update.

### Request

See chapter [EntityRetentionPolicyEntriesUpdateRequest](#)

### Response

See chapter [EntityRetentionPolicyEntriesUpdateResponse](#)



## Example of the entity retention policies update

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityRetentionPolicyEntriesUpdateRequest>
      <ser:SessionToken>374e5ab5-3f18-48ab-8643-f010f0dcbdd1</ser:SessionToken>
      <ser:Id>tIw_CODIQQTSR6to1-y6vbojo6ZFT9bS</ser:Id>
      <ser:RetentionPolicy scope="Allow" id="lavMancW_MtTbRwpr3p456GYLmDY8SCF">
        <ser:Filter classes="false" documents="true" folders="false"/>
      </ser:RetentionPolicy>
      <ser:RetentionPolicy scope="Allow" id="q96Sd-Ms1X4pIZEBeTm6Jvz1GyKN3oOk">
        <ser:Filter classes="false" documents="true" folders="false"/>
      </ser:RetentionPolicy>
    </ser:EntityRetentionPolicyEntriesUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityRetentionPolicyEntriesUpdateResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <RetentionPolicy id="lavMancW_MtTbRwpr3p456GYLmDY8SCF">
        <Name>5 years</Name>
        <Description>Action after 5 years retention</Description>
        <ExplicitContext effective="true" scope="Allow">
          <Filter classes="false" documents="true" folders="false"/>
        </ExplicitContext>
      </RetentionPolicy>
      <RetentionPolicy id="q96Sd-Ms1X4pIZEBeTm6Jvz1GyKN3oOk">
        <Name>3 years</Name>
        <Description>Action after 3 years retention</Description>
        <ExplicitContext effective="true" scope="Allow">
          <Filter classes="false" documents="true" folders="false"/>
        </ExplicitContext>
      </RetentionPolicy>
    </EntityRetentionPolicyEntriesUpdateResponse>
  </S:Body>
</S:Envelope>
```

## 5.6.17 Entity retention policy delete

Operation deletes an entity retention policy.

### Request

See chapter [EntityRetentionPolicyEntryDeleteRequest](#)

### Response

See chapter [EntityRetentionPolicyEntryDeleteResponse](#)

## Example of the entity retention policy delete

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityRetentionPolicyDeleteRequest>
      <ser:SessionToken>a2bc6818-64df-4491-b668-9d4199c628a6</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=191</ser:Id>
      <ser:RetentionPolicyId>Pqc5zK58VmPaRlQ-
pIaVhOV15shGuLwvS40vEkzd3JE</ser:RetentionPolicyId>
    </ser:EntityRetentionPolicyDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.6.18 Entity disposition hold create

Operation creates an entity disposition hold.

### Request

See chapter [EntityRetentionDispositionHoldEntriesCreateRequest](#)

### Response

See chapter [EntityRetentionDispositionHoldEntriesCreateResponse](#)

## Example of the entity disposition hold create

### Request

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

## Response

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

## 5.6.19 Entity disposition hold delete

Operation deletes an entity disposition hold.

### Request

See chapter [EntityRetentionDispositionHoldEntryDeleteRequest](#)

### Response

See chapter [EntityRetentionDispositionHoldEntryDeleteResponse](#)

## Example of the entity disposition hold delete

### Request

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

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

### Response

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

## 5.6.20 Entity move

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

### Request

See chapter [EntityMoveRequest](#)

### Response

See chapter [EntityStubReadResponse](#)

## Example of the entity move

### Request

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

### Response

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

```

</ModifiedBy>
<Opened>2019-05-09T08:15:17.526Z</Opened>
<SecurityClass inherited="false">Secret</SecurityClass>
<Significance inherited="true"/>
<Status inherited="true">Opened</Status>
<Retention>
  <Policy id="6IxWCwZuYSq1N79iiNsSSpSV62aMbl5j">
    <Name>10 years</Name>
    <Description>Dispose after 10 years retention</Description>
    <InheritedContext effective="true" scope="Allow">
      <Filter classes="true" documents="true" folders="true"/>
    </InheritedContext>
  </Policy>
</Retention>
<ParentId type="Internal">-ndjwS7vkwYRu50AwLmCvIeUUhjGAM7w</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<AIP>false</AIP>
<HasReferences>false</HasReferences>
<HasVersions>false</HasVersions>
<HasDraft>false</HasDraft>
</EntityStub>
</EntityMoveResponse>
</S:Body>
</S:Envelope>

```

## 5.6.21 Entity save log read

Operation provides an entity save log.

### Request

See chapter [EntitySaveLogReadRequest](#)

### Response

See chapter [EntitySaveLogReadResponse](#)

### Example

#### Request

```

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

```

## Response

```

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

```

### 5.6.22 Batch entity create

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

#### Request

See chapter [BatchEntityCreateRequest](#)

#### Response

See chapter [BatchEntityCreateResponse](#)

### 5.6.23 Batch entity with references create

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

#### Request

See chapter [BatchEntityRefCreateRequest](#)

#### Response

See chapter [BatchEntityRefCreateResponse](#)

### 5.6.24 Entity property value read

Operation retrieves metadata and the entity property value.

#### Request

See chapter [EntityPropertyReadRequest](#)

#### Response

See chapter [EntityPropertyReadResponse](#)

### 5.6.25 Entity property value create

Operation adds the entity property value to the end of the collection of values.

#### Request

See chapter [EntityPropertyCreateRequest](#)

#### Response

See chapter [EntityPropertyReadResponse](#)

### 5.6.26 Entity property value update

Operation changes the value of an individual entity property at a given position within the collection of values.

#### Request

See chapter [EntityPropertyUpdateRequest](#)

#### Response

See chapter [EntityPropertyReadResponse](#)

## 5.6.27 Entity property value delete

Operation deletes the value of an individual entity property at a given position within the collection of values.

### Request

See chapter [EntityPropertyDeleteRequest](#)

### Response

See chapter [EntityPropertyDeleteResponse](#)

## 5.7 Access right

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

A user with the right to define access rights for an entity (Change permissions) can assign an Access Control List to a user or a user group access rights to an entity and special access rights to the attributes. The access right can be assigned to users or a user group for each entity separately by assigning the right associated with the attribute of the directory entity type (Attribute ACL Entry).

An authorized user can explicitly set Allow or Deny for each group of rights. These values are valid for an individual right within the group, and can also be set for a limited period of time.

Operation with entities is described below.

### 5.7.1 Entity access rights read

Operation reads a directory entity access rights on the entity.

#### Request

See chapter [EntityACLReadRequest](#)

#### Response

See chapter [EntityACLReadResponse](#)



**Example of the entity and entity property access right read****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLReadRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgUrW79P</ser:SessionToken>
      <ser:Id>8gRFJFNaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
    </ser:EntityACLReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityACLReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityACLEntry id="AAAAAWp0dXJuZXI" type="Directory">
        <Subject>jturner</Subject>
        <DirectoryEntity id="jturner">
          <FirstName>Jerry</FirstName>
          <LastName>Turner</LastName>
          <Email>jerry.turner@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="false"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
        <InheritedAllowRights readAccess="true" writeAccess="false" moveAccess="false"
deleteAccess="false" changeRights="true" createReferences="true" createSubEntities="false"
changeSecurityClass="true" changeStatus="true" changeRetention="true"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAW13ZWxjaA" type="Directory">
        <Subject>mwelch</Subject>
        <DirectoryEntity id="mwelch">
          <FirstName>Marco</FirstName>
          <LastName>Welch</LastName>
          <Email>marco.welch@acme.com</Email>
          <Type>User</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="true"
changeSecurityClass="false" changeStatus="false" changeRetention="false"/>
        <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="false" createReferences="false" createSubEntities="true"
changeSecurityClass="false" changeStatus="false" changeRetention="false"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
      </EntityACLEntry>
      <EntityACLEntry id="AAAAAXN5czpBZGlpbmlzdHJhdG9ycw" type="Directory">
        <Subject>sys:Administrators</Subject>
        <DirectoryEntity id="sys:Administrators">
          <FirstName/>
          <LastName>System Administrators</LastName>
          <Email/>
          <Type>Group</Type>
        </DirectoryEntity>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    </EntityACLReadResponse>
  </S:Body>
</S:Envelope>
```

```

    <InheritedAllowRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"
delegateContext="false" enabledForSubtree="true" enabledForThis="true" />
  </EntityACLEntry>
</EntityACLReadResponse>
</S:Body>
</S:Envelope>

```

## 5.7.2 Directory entity access rights read

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

### Request

See chapter [EffectiveRightsReadRequest](#)

### Response

See chapter [EffectiveRightsReadResponse](#)

### Example of the directory entity access rights read

#### Request

```

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

```

#### Response

```

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

```

### 5.7.3 Entity access right create

Operation creates an entity and entity properties access right.

#### Request

See chapter [EntityACLEntriesCreateRequest](#)

#### Response

See chapter [EntityACLEntriesCreateResponse](#)

#### Example of the entity access right create

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntriesCreateRequest>
      <ser:SessionToken>Clog5quo8Bk2nJKyhKhZpnKFCFvjrt6CV4PgU3Zk7dErW79P</ser:SessionToken>
      <ser:Id>8gRFJFnaXWsM2HdmfbGoEm_N0s8aOSkS</ser:Id>
      <ser:EntityACLEntry subject="jsmith" type="Directory">
        <ser:ExplicitAllowRights readAccess="true" writeAccess="true"/>
        <ser:ExplicitDenyRights deleteAccess="true"/>
      </ser:EntityACLEntry>
    </ser:EntityACLEntriesCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

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

## 5.7.4 Entity or entity property access right update

Operation updates an entity or entity property explicit access right.

### Request

See chapter [EntityACLEntryUpdateRequest](#)

### Response

See chapter [EntityACLEntryUpdateResponse](#)

### Example of the entity access right update

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLEntryUpdateRequest>
      <ser:SessionToken>Ljth9KQpelzc9gxnQicZt2u1YMhtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZ04p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:ACLEntryUpdate>
        <ser:EntityACLEntry id="AAAAAWpzbWl0aA">
          <ser:ExplicitAllowRights readAccess="true" writeAccess="true" moveAccess="true"/>
          <ser:ExplicitDenyRights deleteAccess="true"/>
        </ser:EntityACLEntry>
      </ser:ACLEntryUpdate>
    </ser:EntityACLEntryUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

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

## 5.7.5 Entity or entity property access right delete

Operation deletes an entity or entity property access right.

### Request

See chapter [EntityACLDeleteEntryRequest](#)

### Response

See chapter [EntityACLDeleteEntryResponse](#)

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

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityACLDeleteEntryRequest>
      <ser:SessionToken>Ljth9KQpelzc9gxnQicZt2u1YMhtOrEsumXFVtwf</ser:SessionToken>
      <ser:Id>gCL_1dZ04p07LFHQmzPejP8XSGEu2rmz</ser:Id>
      <ser:EntryId>AAAAAWpzbWl0aA</ser:EntryId>
    </ser:EntityACLDeleteEntryRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.8 Template

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

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

## 5.8.1 Templates or template read

Operation reads templates or template.

### Request

See chapter [TemplatesReadRequest](#)

### Response

See chapter [TemplatesReadResponse](#)

### **Example**

An example of the templates or template read.

### Request

#### *Scheme*

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

### Response

#### *Scheme*

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <TemplatesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Template id="Case">
        <Label>Folder</Label>
        <EntityType>Folder</EntityType>
        <Description>Folder/Case entity</Description>
        <EntityCount>3960</EntityCount>
        <PhysicalProperties>true</PhysicalProperties>
        <EmailProperties>>false</EmailProperties>
        <Versionable>>false</Versionable>
        <SystemProperties>
          <Title id="sys:Title">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true" searchable="true"
unique="false" versionable="false"/>
            <Description>Entity title</Description>
            <Type>String200</Type>
          </Title>
          <Description id="sys:Description">
            <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
```

```

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

```

```

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

```



```

readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
  <Description>Home location of physical entity</Description>
  <Type>String100</Type>
</HomeLocation>
<CurrentLocation id="sys:prm:CurrentLocation">
  <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
  <Description>Current location of physical entity</Description>
  <Type>String100</Type>
</CurrentLocation>
<Custodian id="sys:prm:Custodian">
  <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
  <Description>Current physical entity custodian; internal personnel if
status is 'CheckedIn' [normally Owner] or external if status is 'CheckedOut'</Description>
  <Type>String100</Type>
</Custodian>
<ReturnDue id="sys:prm:ReturnDue">
  <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="false" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
  <Description>The date when 'CheckedOut' physical entity is due to be
'CheckedIn'</Description>
  <Type>Date</Type>
</ReturnDue>
</PhysicalProperties>
</SystemProperties>
</Template>
<Template id="Document">
  <Label>Document</Label>
  <EntityType>Document</EntityType>
  <Description>Standalone document entity</Description>
  <EntityCount>6</EntityCount>
  <PhysicalProperties>true</PhysicalProperties>
  <EmailProperties>>false</EmailProperties>
  <Versionable>>false</Versionable>
  <SystemProperties>
    <Title id="sys:Title">
      <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="true" searchable="true"
unique="false" versionable="false"/>
      <Description>Entity title</Description>
      <Type>String200</Type>
    </Title>
    <Description id="sys:Description">
      <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="false"
unique="false" versionable="false"/>
      <Description>Entity brief description</Description>
      <Type>String200</Type>
    </Description>
    <Keywords id="sys:Keywords">
      <Options appendOnly="false" includedInAIP="false" inherited="false"
multiValue="true" nonEmpty="true" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
      <Description>Entity keywords</Description>
      <Type>String30</Type>
    </Keywords>
    <Status id="sys:Status">
      <Options appendOnly="false" includedInAIP="false" inherited="true"
multiValue="false" nonEmpty="false" pickList="true" public="true" readOnly="false"

```

```

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

```

```

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

```

```

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

```

## 5.9 Directory

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

Operation with the directory is described below.

### 5.9.1 Directory entities or directory entity read

Operation reads directory entities or directory entity.

#### Request

See chapter [DirectoryEntitiesReadRequest](#)

#### Response

See chapter [DirectoryEntitiesReadResponse](#)

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

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntitiesReadRequest>
      <ser:SessionToken>4XOS6OpaitBF0ThCh77UMWKruGa0SSCdEFRehtn7</ser:SessionToken>
    </ser:DirectoryEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Size>3</Size>
      <DirectoryEntity id="IMiS Users">
        <FirstName/>
        <LastName/>
        <Description/>
        <Email/>
        <SecurityClassLevel>Unspecified</SecurityClassLevel>
        <Type>Group</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
      <DirectoryEntity id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Description>Archive administrator</Description>
        <Email>admin@acme.com</Email>
        <SecurityClassLevel>1</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
      <DirectoryEntity id="anelson">
        <FirstName>Alex</FirstName>
        <LastName>Nelson</LastName>
        <Description>Sales - Controlling</Description>
        <Email>alex.nelson@acme.com</Email>
        <SecurityClassLevel>Restricted</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>>false</Deleted>
        <Enabled>>true</Enabled>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
      </DirectoryEntity>
    </DirectoryEntitiesReadResponse>
  </S:Body>
</S:Envelope>

```

```

</CreatedBy>
<Modified>2019-10-08T06:30:00.236Z</Modified>
<ModifiedBy id="sys:Server">
  <FirstName/>
  <LastName>System Service</LastName>
  <Email/>
  <Type>User</Type>
</ModifiedBy>
</DirectoryEntity>
</DirectoryEntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## Example of the directory entity search

### Request

```

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

```

### Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DirectoryEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>4</Size>
      <DirectoryEntity id="admin">
        <FirstName/>
        <LastName>Administrator</LastName>
        <Description>Archive administrator</Description>
        <Email>admin@acme.com</Email>
        <SecurityClassLevel>1</SecurityClassLevel>
        <Type>User</Type>
        <Deleted>false</Deleted>
        <Enabled>true</Enabled>
        <Avatar>iVBORw0KGgoAAAANSUhEUgAAAIAAAAhkiAAAAA1VORK5CYII=</Avatar>
        <Created>2019-10-07T13:30:00.338Z</Created>
        <CreatedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </CreatedBy>
        <Modified>2019-10-08T06:30:00.236Z</Modified>
        <ModifiedBy id="sys:Server">
          <FirstName/>
          <LastName>System Service</LastName>
          <Email/>
          <Type>User</Type>
        </ModifiedBy>
      </DirectoryEntity>
      <DirectoryEntity id="cirwin">
        <FirstName>Caroline</FirstName>
        <LastName>Irwin</LastName>

```

```

<Description>IT - System Administration 1</Description>
<Email>caroline.irwin@acme.com</Email>
<SecurityClassLevel>Confidential</SecurityClassLevel>
<Type>User</Type>
<Deleted>>false</Deleted>
<Enabled>>true</Enabled>
<Created>2019-10-03T13:30:00.338Z</Created>
<CreatedBy id="sys:Server">
  <FirstName/>
  <LastName>System Service</LastName>
  <Email/>
  <Type>User</Type>
</CreatedBy>
<Modified>2019-10-08T06:30:00.236Z</Modified>
<ModifiedBy id="sys:Server">
  <FirstName/>
  <LastName>System Service</LastName>
  <Email/>
  <Type>User</Type>
</ModifiedBy>
</DirectoryEntity>
</DirectoryEntitiesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.9.2 Directory entity members read

Operation reads members of the selected directory entity group.

### Request

See chapter [DirectoryEntityMembersReadRequest](#)

### Response

See chapter [DirectoryEntitiesReadResponse](#)

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

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DirectoryEntityMembersReadRequest>
      <ser:SessionToken>qc9g0OCehwOki5sjWXtMn5MZA17XSWvzVC8CWoP</ser:SessionToken>
      <ser:Id>users</ser:Id>
    </ser:DirectoryEntityMembersReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

**Response**

```

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

```



```

    </CreatedBy>
    <Modified>2019-10-08T06:30:00.236Z</Modified>
    <ModifiedBy id="sys:Server">
      <FirstName/>
      <LastName>System Service</LastName>
      <Email/>
      <Type>User</Type>
    </ModifiedBy>
  </DirectoryEntity>
</DirectoryEntityMembersReadResponse>
</S:Body>
</S:Envelope>

```

### 5.9.3 Current user read

Operation obtains a directory entity of current user.

#### Request

See chapter [AccountReadRequest](#)

#### Response

See chapter [AccountReadResponse](#)

#### Example of the current user read

##### Request

```

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

```

##### Response

```

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

```

```

<Modified>2019-10-08T06:30:00.236Z</Modified>
<ModifiedBy id="sys:Server">
  <FirstName/>
  <LastName>System Service</LastName>
  <Email/>
  <Type>User</Type>
</ModifiedBy>
<DescriptionEditable>true</DescriptionEditable>
<EmailEditable>true</EmailEditable>
<FirstNameEditable>true</FirstNameEditable>
<IconEditable>true</IconEditable>
<LastNameEditable>true</LastNameEditable>
</DirectoryEntity>
</AccountReadResponse>
</S:Body>
</S:Envelope>

```

## 5.9.4 Password update

Operation changes a password of current user.

### Request

See chapter [AccountChangePasswordRequest](#)

### Response

See chapter [AccountChangePasswordResponse](#)

### Example of the password update

#### Request

```

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

```

#### Response

```

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

```

### 5.9.5 User account read

Operation reads the user profile of the current user with the profile unique identifier.

Compatibility: IMiS®/ARChive Server 10.1 or higher.

#### Request

See chapter [AccountDataReadRequest](#)

#### Response

See chapter [AccountDataReadResponse](#)

### 5.9.6 User account create and update

Operation creates and updates the user profile of the current user with the profile unique identifier.

Compatibility: IMiS®/ARChive Server 10.1 or higher.

#### Request

See chapter [AccountDataUpdateRequest](#)

#### Response

See chapter [AccountDataUpdateResponse](#)

### 5.9.7 User account delete

Operation deletes the user profile of the current user with the profile unique identifier.

Compatibility: IMiS®/ARChive Server 10.1 or higher.

#### Request

See chapter [AccountDataDeleteRequest](#)

## Response

See chapter [AccountDataDeleteResponse](#)

## 5.10 Retention

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

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

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

### 5.10.1 Entity retention policies or policy read

Operation reads an entity retention policies.

## Request

See chapter [RetentionPoliciesReadRequest](#)

## Response

See chapter [RetentionPoliciesReadResponse](#)

### Example of the entity retention policies read

## Request

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

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <RetentionPoliciesReadResponse xmlns="http://www.imis.si/storageconnector/services">
      <RetentionPolicy id="AywTRqKdetY4sSZhfzUNuhA-4_raqO601b01C_r4Ipw">
        <Name>10 years</Name>
        <Accessed>2016-07-25T07:44:33.016Z</Accessed>
        <Created>2015-09-25T08:30:41.052Z</Created>
        <Modified>2016-07-25T07:44:33.018Z</Modified>
        <Action>Dispose</Action>
        <Description>Dispose after 10 years</Description>
        <DetailedDescription>opis</DetailedDescription>
        <Reason>Dispose entities after 10 years</Reason>
        <Trigger>[EntityClosed] +10Y &lt; @NOW@</Trigger>
      </RetentionPolicy>
      <RetentionPolicy id="C6bEPblO8V0K1UBwi4eUWPFmIXZyb6M8mJXTRVBnHxk">
        <Name>Permanent</Name>
        <Accessed>2016-08-22T08:39:33.606Z</Accessed>
        <Created>2015-09-24T13:50:09.346Z</Created>
        <Modified>2016-08-22T08:39:33.616Z</Modified>
        <Action>Permanent</Action>
        <Description>Permanent retention</Description>
        <DetailedDescription/>
        <Reason>Policy reason</Reason>
        <Trigger/>
      </RetentionPolicy>
    </RetentionPoliciesReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.10.2 Entity retention policy objects read

Operation reads an entity retention policy objects.

### Request

See chapter [RetentionPolicyObjectsReadRequest](#)

### Response

See chapter [RetentionPolicyObjectsReadResponse](#)

### Example of the entity retention policy objects read

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:RetentionPolicyObjectsReadRequest>
      <ser:SessionToken>b82c38af-93ec-4e47-8d9e-3d4d6e42f337</ser:SessionToken>
      <ser:Id>VatMcHFEEaf6tYBh_w-xWoYsr2gfhjCiQXlOZF-W8BpE</ser:Id>
    </ser:RetentionPolicyObjectsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <RetentionPolicyObjectsReadResponse
xmlns="http://www.imis.si/storageconnector/services">
      <Object id="100663636">
        <Description>Invoice 2009968</Description>
        <Size>83164</Size>
        <Created>2015-10-12T13:10:04.077Z</Created>
        <Accessed>2015-10-12T13:10:04.077Z</Accessed>
        <Modified>2015-10-12T13:10:04.077Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
      <Object id="100663637">
        <Description>Invoice 0607972</Description>
        <Size>92539</Size>
        <Created>2015-10-12T13:10:04.083Z</Created>
        <Accessed>2015-10-12T13:10:04.083Z</Accessed>
        <Modified>2015-10-12T13:10:04.083Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
    </RetentionPolicyObjectsReadResponse>
  </S:Body>
</S:Envelope>
```

### 5.10.3 Entity retention policy audit log read

Operation reads an entity retention policy audit log.

#### Request

See chapter [RetentionPolicyAuditLogReadRequest](#)

#### Response

See chapter [AuditLogReadResponse](#)

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

#### Request

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

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <RetentionPolicyAuditLogReadResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:27:24Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:27:24Z" type="ContentPartSave">
        <Details>Research report_Perception of Income requirements in retirement
[h8bwNAiVUjhc9Q32itlL7NVB8HNpZmL2]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:27:24Z" type="ContentPartCreate">
        <Details>Research report_Perception of Income requirements in retirement
[h8bwNAiVUjhc9Q32itlL7NVB8HNpZmL2]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:26:45Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-27T14:26:45Z" type="PropertyValueChange">
        <Details>Changed properties: sys:ret:pol:Trigger</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="JURE" localAddress="20.1.1.1"
publicAddress="2a01:260:4086:1280:d5b8:5c30:859c:1b4a" time="2018-11-13T10:06:26Z"
type="PropertyValueChange">

```

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

## 5.11 Content objects

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

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

### 5.11.1 Entity content object read

Object provides request to read the entity content object.

#### Request

See chapter [EntityObjectReadRequest](#)

#### Response

See chapter [EntityObjectReadResponse](#)



## Example of the entity content object read

### Request

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

### Response

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

        <Content>JVBERi0xLjQKJeLjz9MKMSAwIG9iago8PC9DcmVhdGlvbkRhdGUoRDoyMDEyMTAyOTE1MzU0MyswMScwMCC
pL1Byb2R1Y2VyKFBERiBYcGFuc2lvbiA4Ljg...</Content>
      </Object>
    </EntityObjectReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.2 Entity content object create

Operation creates an entity content object.

### Request

See chapter [EntityObjectCreateRequest](#)

### Response

See chapter [EntityObjectCreateResponse](#)

## Example of the entity content object create

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectCreateRequest>
      <ser:SessionToken>096a208e-1f3c-4839-bdea-dad7b4216c94</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=147^D=00002</ser:Id>
      <ser:Object>
        <ser:Description>Organizational_chart_Production.tiff</ser:Description>
        <ser:ContentType>image/tiff</ser:ContentType>
        <ser:Content>YXNkZmEgYXNkZiBhc2Rm</ser:Content>
      </ser:Object>
    </ser:EntityObjectCreateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectCreateResponse xmlns="http://www.imis.si/storageconnector/services">
      <Object id="100707404">
        <Description>Organizational_chart_Finance.tiff</Description>
        <Size>97752</Size>
        <Created>2016-10-10T10:55:50.684Z</Created>
        <Accessed>2016-10-10T10:55:50.684Z</Accessed>
        <Modified>2016-10-10T10:55:50.684Z</Modified>
        <ContentType>image/tiff</ContentType>
        <Extension>.tif</Extension>
      </Object>
      <Object id="100707405">
        <Description>Organizational_chart_Production.tiff</Description>
        <Size>15</Size>
        <Created>2016-10-10T10:56:13.496Z</Created>
        <Accessed>2016-10-10T10:56:13.496Z</Accessed>
        <Modified>2016-10-10T10:56:13.496Z</Modified>
        <ContentType>image/tiff</ContentType>
        <Extension>.tif</Extension>
      </Object>
    </EntityObjectCreateResponse>
  </S:Body>
</S:Envelope>
```

## 5.11.3 Content object update

Operation updates an entity content and description.

### Request

See chapter [EntityObjectUpdateRequest](#)

### Response

See chapter [EntityObjectUpdateResponse](#)

## Example of the entity content object update

### Request

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

### Response

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

## 5.11.4 Entity content object delete

Operation deletes an entity content object.

### Request

See chapter [EntityObjectDeleteRequest](#)

### Response

See chapter [EntityObjectDeleteResponse](#)

## Example of the entity content object delete

### Request

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

### Response

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

## 5.11.5 Entity object move

Operation moves an entity object.

### Request

See chapter [EntityObjectMoveRequest](#)

### Response

See chapter [EntityObjectMoveResponse](#)

## Example of the entity object move

### Request

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

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

## Response

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

## 5.11.6 Entity object copy

Operation copies an entity object.

### Request

See chapter [EntityObjectCopyRequest](#)

### Response

See chapter [EntityObjectCopyResponse](#)

## Example of the entity object copy

### Request

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

      <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cd1a9390</ser:Object
Id>
      <ser:ParentId
type="Internal">25d61795ed3e08e89251eda8212c76f6cble3c733fc9718fbd1cbe996985b0d3</ser:Parent
Id>
      <ser:Description>test1</ser:Description>
    </ser:EntityObjectCopyRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

## 5.11.7 Entity object management

Operation marks an entity object for later indexing or conversion.

### Request

See chapter [EntityObjectManageRequest](#)

### Response

See chapter [EntityObjectManageResponse](#)

## Example of the entity object management

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityObjectManageRequest>
      <ser:SessionToken>236f2f3d-6d46-49ec-b22a-40f7a3c42303</ser:SessionToken>
      <ser:Id
        type="Internal">25d61795ed3e08e89251eda8212c76f6cble3c733fc9718fbd1cbe996985b0d3</ser:Id>

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

## Response

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

## 5.11.8 Entity object detach

Operation detaches an entity object.

### Request

See chapter [EntityObjectDetachRequest](#)

### Response

See chapter [EntityObjectDetachResponse](#)

## Example of the entity object detach

### Request

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

      <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390</ser:Object
        Id>
      </ser:EntityObjectDetachRequest>
    </soapenv:Body>
  </soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityObjectDetachResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object id="197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390">
        <Description>test1p.pdf</Description>
        <Size>74714</Size>
        <ChildCount>0</ChildCount>
        <Indexed>>false</Indexed>
        <Signed>>false</Signed>
        <Created>2017-07-19T12:08:32.213Z</Created>
        <Accessed>2017-07-19T12:08:32.213Z</Accessed>
        <Modified>2017-07-19T12:08:32.213Z</Modified>
        <ContentType>application/pdf</ContentType>
        <Extension>.pdf</Extension>
      </Object>
    </EntityObjectDetachResponse>
  </S:Body>
</S:Envelope>
```

## Example

### Request

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

      <ser:ObjectId>197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390</ser:Object
Id>
    </ser:EntityObjectDetachRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>S:Server</faultcode>
      <faultstring>Server reported an error processing request (Reason:
code=ERR_IAS_ERROR, message='Value
'197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390' cannot be detached
because it is not contained under parent.*)</faultstring>
      <detail>
        <SystemFault:SystemFault xmlns="http://www.imis.eu/storageconnector/services"
xmlns:SystemFault="http://www.imis.eu/storageconnector/services">
          <Code>500</Code>
          <Message>Server reported an error processing request (Reason:
code=ERR_IAS_ERROR, message='Value
'197447ee876406b6a04f490cde4d39cf290a7aef17a15bdc85c77b7cdala9390' cannot be detached
because it is not contained under parent.*)</Message>
        </SystemFault:SystemFault>
      </detail>
    </S:Fault>
  </S:Body>
</S:Envelope>
```



### 5.11.9 Opening a content object by parts

Operation retrieves the entity object handle for reading by parts.

#### Request

See chapter [EntityObjectOpenRequest](#)

#### Response

See chapter [EntityObjectOpenResponse](#)

### 5.11.10 Closing a content object by parts

Operation closes the content object for reading by parts with the entity object handle.

#### Request

See chapter [EntityObjectCloseRequest](#)

#### Response

See chapter [EntityObjectCloseResponse](#)

### 5.11.11 Creating a session for uploading content by parts

Operation creates a session for uploading content by parts. Uploading content by parts takes place in several steps; the upload session is created first, followed by the sequential upload of content by parts. The upload finish operation is called to save the object. The delete operation is called to cancel the session for uploading content by parts (the entity close operation deletes all sessions for uploading content by parts).

#### Request

See chapter [UploadSessionCreateRequest](#)

#### Response

See chapter [UploadSessionCreateResponse](#)

### **5.11.12 Content upload in the session for uploading content by parts**

Operation adds content to the session for uploading content by parts. Each part must be uploaded sequentially. The request header must send the size of the content part and the position of the content part in which the dataset is located.

#### Request

See chapter [UploadSessionUpdateRequest](#)

#### Response

See chapter [UploadSessionCreateResponse](#)

### **5.11.13 Saving content in the session for uploading content by parts**

Operation saves the content from the session for uploading content by parts to the entity. The request content can send a description of the content and the content container identifier. After a successful save, the session for uploading content by parts is removed.

#### Request

See chapter [UploadSessionSaveRequest](#)

#### Response

See chapter [UploadSessionSaveResponse](#)

### **5.11.14 Canceling the session for uploading content by parts**

Operation deletes the session for uploading content by parts.

#### Request

See chapter [UploadSessionDeleteRequest](#)

## Response

See chapter [UploadSessionDeleteResponse](#)

## 5.12 Authenticity

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

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

### 5.12.1 Entity authenticity and integrity proofs read

Operation reads an entity authenticity and integrity proofs

#### Request

See chapter [EntityNonrepudiationReadRequest](#)

#### Response

See chapter [EntityNonrepudiationReadResponse](#)

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

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityNonrepudiationReadRequest>
      <ser:SessionToken>66f818c2-d4ba-47b0-8000-9ce5e73ea06b</ser:SessionToken>
      <ser:Id type="ClassificationCode">C=72^D=00025</ser:Id>
    </ser:EntityNonrepudiationReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```



## 5.12.2 Reading entity authenticity and integrity proofs created prior to import

The operation retrieves information on entity authenticity and integrity proofs created prior to the entity import.

### Request

See chapter [EntityTransferDetailsReadRequest](#)

### Response

See chapter [EntityTransferDetailsReadResponse](#)

## 5.13 Audit log

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

### 5.13.1 Entity audit log read

Operation reads an entity audit log.

### Request

See chapter [EntityAuditLogReadRequest](#)

See chapter [AuditLogReadResponse](#)

### Example of the entity audit log read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityAuditLogReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fply7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>6Y4hxeHBOR_C-wiGqGZ99zyrgercaXCm</ser:Id>
    </ser:EntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityAuditLogReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="MARKOPC" localAddress="169.254.237.238"
publicAddress="192.168.80.64" time="2018-11-27T12:30:02Z" type="EntityOpenReadOnly">
        <Delegate id="cirwin">
          <FirstName>Caroline</FirstName>
          <LastName>Irwin</LastName>
          <Email>caroline.irwin@acme.com</Email>
          <Type>User</Type>
        </Delegate>
        <User id="anelson">
          <FirstName>Alex</FirstName>
          <LastName>Nelson</LastName>
          <Email>alex.nelson@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="EntitySave">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="StatusChange">
        <Details>Opened [1]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="PropertyValueChange">
        <Details>Changed properties: sys:Title</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="RetentionChange">
        <Details>Added policies:'2 years'</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-26T08:59:24Z" type="EntityCreate">
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
    </EntityAuditLogReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.13.2 Reading the entity audit log in different formats

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

### Request

See chapter [AuditLogRawReadRequest](#)

### Response

See chapter [AuditLogRawReadResponse](#)

### Example of the entity audit log in different formats

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:AuditLogRawReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fply7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>q9uOxr1_VCmwraHqTau5QOXF5bTWHowM</ser:Id>
      <ser:Type>CSV</ser:Type>
    </ser:AuditLogRawReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <AuditLogRawReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <AuditLog>Time;User;Address;Computer;InternalAddress;EventType;EventDetails;Delegate
2018-11-27T07:32:37Z;admin;192.168.80.67;MARKOPC;192.168.80.67;ENTITY_OPEN_READ_WRITE;;
2018-11-27T07:32:12Z;admin;192.168.80.67;MARKOPC;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-23T11:15:04Z;kclay;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-23T11:15:03Z;kclay;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-
23T10:52:35Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
23T10:36:54Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-23T10:16:52Z;admin;192.168.80.64;beno;169.254.237.238;ENTITY_OPEN_READ_WRITE;;
2018-11-
22T14:46:58Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
21T08:13:14Z;admin;192.168.50.15;apps01.imis.si;192.168.80.64;ENTITY_OPEN_READ_WRITE;;
2018-11-
16T13:39:56Z;admin;192.168.50.15;apps01.imis.si;2a01:260:4086:1280:ec3f:24a9:b72:3621;ENTITY
_OPEN_READ_ONLY;;
2018-11-
15T09:39:32Z;admin;192.168.50.15;apps01.imis.si;192.168.80.51;ENTITY_OPEN_READ_ONLY;;
2018-11-
14T10:00:57Z;admin;192.168.50.15;apps01.imis.si;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
2018-11-
14T09:08:14Z;admin;192.168.50.15;apps01.imis.si;192.168.80.67;ENTITY_OPEN_READ_ONLY;;
```

```

2018-11-13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;ENTITY_SAVE;;
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;PROPERTY_VALUE_CHANGE
;Changed properties: sys:Creator, sys:Description, sys:Title;
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;RETENTION_CHANGE;Adde
d policies: 'Permanent';
2018-11-
13T12:27:04Z;admin;2a01:260:4086:1280:3cca:8b29:f39:6147;JURE;20.1.1.1;ENTITY_CREATE;;</Audi
tLog>
  </AuditLogRawReadResponse>
</S:Body>
</S:Envelope>

```

## 5.14 Search

Search enables metadata and entity content search.

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

### 5.14.1 Entity search

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

#### Request

See chapter [EntitySearchRequest](#)

#### Response

See chapter [EntitySearchResponse](#)

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

#### Request

```

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

```



## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntitySearchResponse xmlns="http://www.imis.eu/storageconnector/services">
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <SearchHit id="nxhEfAJJsEoEyDr0is9byflDhC0bPxUdQ">
        <ClassificationCode>C=01^C=02^C=03^F=2019-000018^D=000001</ClassificationCode>
        <PublicClassificationCode>01.02.03-2019-000018/000001</PublicClassificationCode>
        <Title>Test</Title>
        <Type>Document</Type>
        <Description>3.363183.FEZJLH3ZML00AE1SISMP32A00T5TOUNMA</Description>
        <Object>
          <Description>00258.pdf</Description>
          <Size>258344</Size>
          <Created>2020-10-02T12:42:21.920Z</Created>
          <Accessed>2020-10-02T12:42:21.920Z</Accessed>
          <Modified>2020-10-02T12:42:21.920Z</Modified>
          <ContentType>application/pdf</ContentType>
          <Extension>.pdf</Extension>
          <Signed>>false</Signed>
          <Indexed>>true</Indexed>
          <Version>3</Version>
          <VersionLabel>1.2</VersionLabel>
        </Object>
      </SearchHit>
      <SearchHit id="YCDKAjPA8Du3CFoH5bfeRyrbBkisZ-Ze">
        <ClassificationCode>C=01^C=02^C=03^F=2019-000021^D=000001</ClassificationCode>
        <PublicClassificationCode>01.02.03-2019-000021/000001</PublicClassificationCode>
        <Title>Anjam Conf Call 47 2321 2000 Grand Hotel, Oslo and my mobile number is 07747 868131</Title>
        <Type>Document</Type>
        <Description>3.363991.GROK5B2QWAUPYHNGF04BLLF30P2AOV2GB</Description>
        <Object>
          <Description>00258.pdf</Description>
          <Size>258344</Size>
          <Created>2020-10-02T12:42:21.920Z</Created>
          <Accessed>2020-10-02T12:42:21.920Z</Accessed>
          <Modified>2020-10-02T12:42:21.920Z</Modified>
          <ContentType>application/pdf</ContentType>
          <Extension>.pdf</Extension>
          <Signed>>false</Signed>
          <Indexed>>true</Indexed>
          <Version>3</Version>
          <VersionLabel>1.2</VersionLabel>
        </Object>
      </SearchHit>
      <Size>10</Size>
      <MaxElements>10</MaxElements>
      <Truncated>>true</Truncated>
    </EntitySearchResponse>
  </S:Body>
</S:Envelope>

```

## 5.15 Reports

Reports enable reading an entity collection by opening the entities for reading. The results can be limited with parameters for searching by metadata, entity content, access permissions, entity type and effective user permissions.

Below is a description of entity search operations.

### 5.15.1 Reports read

The operation performs the reading of a report throughout the archive or under the selected entity and retrieves entity information.

#### Request

See chapter [ReportRequest](#)

#### Response

See chapter [ReportResponse](#)

## 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 Entity disposition hold read

Operation reads an entity disposition holds or disposition hold.

#### Request

See chapter [DispositionHoldsReadRequest](#)

#### Response

See chapter [DispositionHoldsReadResponse](#)

### Example of the entity disposition holds read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldsReadRequest>
      <ser:SessionToken>wGHCMCGTM6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
    </ser:DispositionHoldsReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

### 5.16.2 Entity disposition hold audit log read

Operation reads an entity disposition hold audit log.

#### Request

See chapter [DispositionHoldAuditLogReadRequest](#)

#### Response

See chapter [DispositionHoldsReadResponse](#)

### Example of the entity disposition hold audit log read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DispositionHoldAuditLogReadRequest>
      <ser:SessionToken>wGHCMT6cU2RKdfS2fp1y7UvSdzSh4aHn4kh34</ser:SessionToken>
      <ser:Id>7i4QHR5OcoMJzr8EglUp5wGr3TS00ez</ser:Id>
    </ser:DispositionHoldAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```

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

```

## 5.17 References

References link multiple entities.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### 5.17.1 Entity references read

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

Compatibility: IMiS®/ARChive Server 9.9 or higher.

## Request

See chapter [EntityReferencesReadRequest](#)

## Response

See chapter [EntityReferencesReadResponse](#)

## Example of the entity references read

### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferencesReadRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtyQF7n36xL9v40jng7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>5QB-MTdQdGaSk3M46TAaVGOPI904HzD6</ser:ReferenceId>
    </ser:EntityReferencesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferencesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T12:25:17.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="5oT3QvcUsRANCCVC0jGAC5CmlF-V00ct">
          <ClassificationCode>C=01</ClassificationCode>
          <PublicClassificationCode>01</PublicClassificationCode>
          <Title>Administration</Title>
          <Type>Class</Type>
          <Description>Company documentation and correspondence</Description>
          <Permanent>>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Owner id="builder">
            <FirstName>builder</FirstName>
            <LastName/>
            <Email/>
            <Type>User</Type>
          </Owner>
          <Template id="Class">
            <Label>Class</Label>
            <EntityType>Class</EntityType>
          </Template>
          <Created>2018-11-13T12:26:58.000Z</Created>
          <Accessed>2018-12-03T10:34:24.000Z</Accessed>
          <Modified>2018-11-28T15:16:22.000Z</Modified>
          <ModifiedBy id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
          </ModifiedBy>
        </Entity>
      </Reference>
    </EntityReferencesReadResponse>
  </S:Body>
</S:Envelope>
```

```

    <Type>User</Type>
  </ModifiedBy>
  <Opened>2018-11-13T12:26:58.000Z</Opened>
  <SecurityClass inherited="false">Restricted</SecurityClass>
  <Significance inherited="false"/>
  <Status inherited="true">Opened</Status>
  <Retention>
    <Policy id="6tYEePqNjXQcdXj1Xqd014IREiQxQfzJ">
      <Name>Permanent</Name>
      <Description>Permanent retention</Description>
      <ExplicitContext effective="true" scope="Allow">
        <Filter classes="true" documents="true" folders="true"/>
      </ExplicitContext>
    </Policy>
  </Retention>
  <SubEntityTemplate id="Class">
    <Label>Class</Label>
    <EntityType>Class</EntityType>
  </SubEntityTemplate>
  <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <AIP>true</AIP>
  <HasReferences>true</HasReferences>
  <Draft>false</Draft>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Id>5QB-MTdQdGaSk3M46TAaVGOPi904HzD6</Id>
  <Title/>
</Reference>
</EntityReferencesReadResponse>
</S:Body>
</S:Envelope>

```

## 5.17.2 Entity reference create

Operation creates a reference on a specific entity.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityReferenceCreateRequest](#)

### Response

See chapter [EntityReferenceCreateResponse](#)

## Example of the entity reference create

### Request

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

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T13:36:01.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="lpsCplq8w32Mj_55qxDsQj9E6ChooTLe">
          <ClassificationCode>C=04^C=04^F=2018-000001</ClassificationCode>
          <PublicClassificationCode>04.04-2018-000001</PublicClassificationCode>
          <Title>Folder 01</Title>
          <Type>Folder</Type>
          <Permanent>>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Template id="Case">
            <Label>Folder</Label>
            <EntityType>Folder</EntityType>
          </Template>
          <Created>2018-11-13T14:17:08.000Z</Created>
          <Accessed>2018-12-03T11:41:19.000Z</Accessed>
          <Modified>2018-11-13T14:17:08.000Z</Modified>
          <ModifiedBy id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </ModifiedBy>
          <Opened>2018-11-13T14:17:08.000Z</Opened>
          <SecurityClass inherited="true">Confidential</SecurityClass>
          <Significance inherited="true"/>
          <Status inherited="true">Opened</Status>
          <Retention>
            <Policy id="6tYEePqNjXQcdXj1Xqd014IREiQxQfZJ">
              <Name>Permanent</Name>
              <Description>Permanent retention</Description>
              <InheritedContext effective="true" scope="Allow">
                <Filter classes="true" documents="true" folders="true"/>
              </InheritedContext>
            </Policy>
          </Retention>
        </Entity>
      </Reference>
    </EntityReferenceCreateResponse>
  </S:Body>
</S:Envelope>
```

```

    <DispositionHold id="7i4QHR5OcoMJz8EglUp5wGr3TS00ez">
      <Name>Legal procedure</Name>
      <Description>Legal procedure in progress, material must be preserved until
finished</Description>
      <Inherited>true</Inherited>
    </DispositionHold>
  </Retention>
  <SubEntityTemplate id="FiledDocument">
    <Label>Filed document</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <SubEntityTemplate id="FiledEmail">
    <Label>Filed E-mail</Label>
    <EntityType>Document</EntityType>
  </SubEntityTemplate>
  <ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
  <ParentId type="Internal">nvOxc74u-hTwDDzinB4oqg6T7VUjyAxR</ParentId>
  <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
    <Description>Action activated after date/time</Description>
    <Type>DateTime</Type>
    <Inherited>false</Inherited>
  </Property>
  <AIP>true</AIP>
  <HasReferences>true</HasReferences>
  <Draft>false</Draft>
  <HasVersions>false</HasVersions>
  <HasDraft>false</HasDraft>
</Entity>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
  <Id>4z-crK8xh6TufNc6m4piEEoJUUrUq3ImS</Id>
  <Title/>
</Reference>
</EntityReferenceCreateResponse>
</S:Body>
</S:Envelope>

```

### 5.17.3 Entity reference update

Operation updates an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

#### Request

See chapter [EntityReferenceUpdateRequest](#)

#### Response

See chapter [EntityReferenceCreateResponse](#)



**Example of the entity reference update****Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityReferenceUpdateRequest>
      <ser:SessionToken>L28DkPk6xNnKRpwEoxAtYQF7n36xL9v40jng7KtX</ser:SessionToken>
      <ser:Id>074EUo9JWNKvB2YacYE3VHZ4U4s8EM6o</ser:Id>
      <ser:ReferenceId>4z-crK8xh6TufNc6m4piEEoJUruq3ImS</ser:ReferenceId>
      <ser:Title>Ref</ser:Title>
      <ser:Entry>lpsCplq8w32Mj_55qxDsQj9E6ChooTLe</ser:Entry>
    </ser:EntityReferenceUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityReferenceUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Reference>
        <Created>2018-12-03T13:36:01.000Z</Created>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Entity id="lpsCplq8w32Mj_55qxDsQj9E6ChooTLe">
          <ClassificationCode>C=04^C=04^F=2018-000001</ClassificationCode>
          <PublicClassificationCode>04.04-2018-000001</PublicClassificationCode>
          <Title>Folder 01</Title>
          <Type>Folder</Type>
          <Permanent>false</Permanent>
          <ChildCount>7</ChildCount>
          <Creator id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </Creator>
          <Template id="Case">
            <Label>Folder</Label>
            <EntityType>Folder</EntityType>
          </Template>
          <Created>2018-11-13T14:17:08.000Z</Created>
          <Accessed>2018-12-03T11:41:19.000Z</Accessed>
          <Modified>2018-11-13T14:17:08.000Z</Modified>
          <ModifiedBy id="admin">
            <FirstName/>
            <LastName>Administrator</LastName>
            <Email>admin@acme.com</Email>
            <Type>User</Type>
          </ModifiedBy>
          <Opened>2018-11-13T14:17:08.000Z</Opened>
          <SecurityClass inherited="true">Confidential</SecurityClass>
          <Significance inherited="true"/>
          <Status inherited="true">Opened</Status>
          <Retention>
            <Policy id="6tYEEpQnJxQcdXj1Xqd014IREiQxQfZJ">
              <Name>Permanent</Name>
              <Description>Permanent retention</Description>
              <InheritedContext effective="true" scope="Allow">
                <Filter classes="true" documents="true" folders="true"/>
              </InheritedContext>
            </Policy>
          </Retention>
        </Entity>
      </Reference>
    </EntityReferenceUpdateResponse>
  </S:Body>
</S:Envelope>
```

```

        </InheritedContext>
    </Policy>
    <DispositionHold id="7i4QHR5OcoMJzYr8EglUp5wGr3TS00ez">
        <Name>Legal procedure</Name>
        <Description>Legal procedure in progress, material must be preserved until
finished</Description>
        <Inherited>true</Inherited>
    </DispositionHold>
</Retention>
<SubEntityTemplate id="FiledDocument">
    <Label>Filed document</Label>
    <EntityType>Document</EntityType>
</SubEntityTemplate>
<SubEntityTemplate id="FiledEmail">
    <Label>Filed E-mail</Label>
    <EntityType>Document</EntityType>
</SubEntityTemplate>
<ChildClassificationCodeMode>Automatic</ChildClassificationCodeMode>
<ParentId type="Internal">nvOxc74u-hTwDDzinB4oqg6T7VUjyAxR</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <Property xsi:type="DateTimeProperty" id="Review Trigger"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
        <Options appendOnly="false" includedInAIP="true" inherited="true"
multiValue="false" nonEmpty="false" pickList="false" public="true" readOnly="false"
readOnlyAfterCheckIn="false" readOnlyAfterCreate="false" required="false" searchable="true"
unique="false" versionable="false"/>
        <Description>Action activated after date/time</Description>
        <Type>DateTime</Type>
        <Inherited>false</Inherited>
    </Property>
    <AIP>true</AIP>
    <HasReferences>true</HasReferences>
    <Draft>false</Draft>
    <HasVersions>false</HasVersions>
    <HasDraft>false</HasDraft>
</Entity>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
    <Id>4z-crK8xh6TufNc6m4piEEoJUUrUq3ImS</Id>
    <Title>Ref</Title>
</Reference>
</EntityReferenceUpdateResponse>
</S:Body>
</S:Envelope>

```

## 5.17.4 Entity reference delete

Operation deletes an entity reference.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityReferenceDeleteRequest](#)

### Response

See chapter [EntityReferenceDeleteResponse](#)

### Example of the entity reference delete

#### Request

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

#### Response

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

## 5.18 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 Entity version read

Operation reads an entity versions.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [EntityVersionsReadRequest](#)

### Response

See chapter [EntityVersionsReadResponse](#)

### Example of the entity version read

#### Request

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

#### Response

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

```

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

```

```

<Modified>2018-11-29T10:56:37.000Z</Modified>
<ModifiedBy id="admin">
  <FirstName/>
  <LastName>Administrator</LastName>
  <Email>admin@acme.com</Email>
  <Type>User</Type>
</ModifiedBy>
<SecurityClass inherited="true">Confidential</SecurityClass>
<Significance inherited="true"/>
<ParentId type="Internal">0Q2gCohiZi5af0xHHaGrx2zkMDXRmiUV</ParentId>
<EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
<AIP>true</AIP>
<HasReferences>false</HasReferences>
<VersionLabel>1</VersionLabel>
<Version>1</Version>
<HasVersions>true</HasVersions>
<HasDraft>false</HasDraft>
</Version>
</EntityVersionsReadResponse>
</S:Body>
</S:Envelope>

```

## 5.18.2 Entity drafts read

Operation reads an entity drafts.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [CollectionReadRequest](#)

### Response

See chapter [DraftsReadResponse](#)

### Example of the entity drafts read

#### Request

```

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

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftsReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DraftStub id="YSGW10NkOPL3ZXXJtDLzAJMSy001nAwq">
        <Title>1Conf call re Fontheim Int'1 Call in # 888-285-4585 code 755605</Title>
        <Type>Document</Type>
        <Description>3.1085934.EHTVXHRPKZTNWGSKOZUG5ZEUMJFFSRRSA</Description>
      </DraftStub>
      <DraftStub id="QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0">
        <Title>OPTION EXERCISE!</Title>
        <Type>Document</Type>
        <Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWI1A00EA</Description>
      </DraftStub>
      <DraftStub id="7AuIpwC-E9FNjS-HJo6Ew7zjC6gr2ACc">
        <Title>Dokument 621</Title>
        <Type>Document</Type>
        <Description>opis dokumenta</Description>
      </DraftStub>
      <Size>3</Size>
    </DraftsReadResponse>
  </S:Body>
</S:Envelope>
```

### 5.18.3 Entity draft public information read

Object provides request to read the entity draft public information.

#### Request

See chapter [DraftStubReadRequest](#)

#### Response

See chapter [DraftStubReadResponse](#)

### Example of the entity draft public information read

#### Request

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

## Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftStubReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DraftStub id="YSGW10nkOPL3ZXXJtDLzAJMSy001nAwq">
        <Title>1Conf call re Fontheim Int'l Call in # 888-285-4585 code 755605</Title>
        <Type>Document</Type>
        <Description>3.1085934.EHTVXHRPKZTNWGSKOZUG5ZEUMJFFSRRSA</Description>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-04-25T12:28:03.220Z</Created>
        <Accessed>2019-05-06T07:00:14.703Z</Accessed>
        <Modified>2019-05-06T06:52:47.392Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
      </DraftStub>
    </DraftStubReadResponse>
  </S:Body>
</S:Envelope>

```

## 5.18.4 Entity draft check out

Operation checks out an entity draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [CheckOutRequest](#)

### Response

See chapter [EntityStubReadResponse](#)



**Example of the entity draft create****Request**

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

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <CheckOutResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="8gM2KZyG8jI4lUkmcheEVOglOsKRg9ND">
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-12-04T11:09:11.000Z</Created>
        <Accessed>2018-12-04T11:09:11.000Z</Accessed>
        <Modified>2018-12-04T11:09:11.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <SecurityClass inherited="true"/>
        <ParentId type="Internal">CH1FvxGctDeOoZo870XnQiXLr770QMch</ParentId>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <AIP>>false</AIP>
        <HasReferences>>false</HasReferences>
        <Draft>true</Draft>
        <HasVersions>>false</HasVersions>
        <HasDraft>>false</HasDraft>
      </EntityStub>
    </CheckOutResponse>
  </S:Body>
</S:Envelope>
```

## 5.18.5 Entity draft check in

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

Compatibility: IMiS®/ARChive Server 9.9 or higher.

### Request

See chapter [CheckInRequest](#)

### Response

See chapter [DraftStubReadResponse](#)

## Example of the entity draft check in

### Request

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

### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <CheckInResponse xmlns="http://www.imis.eu/storageconnector/services">
      <EntityStub id="aLZs6_zVuYaIvI_u_Dm2lYIwBDVKaDSw">
        <ClassificationCode>C=04^C=04^F=2018-000003^D=000002</ClassificationCode>
        <PublicClassificationCode>04.04-2018-000003/000002</PublicClassificationCode>
        <Title>Doc 02</Title>
        <Type>Document</Type>
        <Permanent>>false</Permanent>
        <ChildCount>0</ChildCount>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Template id="FiledDocument">
          <Label>Filed document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2018-11-29T10:56:37.000Z</Created>
        <Modified>2018-12-04T11:11:43.000Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
        </ModifiedBy>
      </EntityStub>
    </CheckInResponse>
  </S:Body>
</S:Envelope>
```

```

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

```

### 5.18.6 Entity draft discard

Operation discards an entity draft.

Compatibility: IMiS®/ARChive Server 9.9 or higher.

#### Request

See chapter [DraftDiscardRequest](#)

#### Response

See chapter [DraftDiscardResponse](#)

### Example of the entity draft discard

#### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftDiscardRequest>
      <ser:SessionToken>cSqNjTXRdcQtrmseXHnNnkRs14YrFtNF0UdStvN7</ser:SessionToken>
      <ser:Id>07r3oiSlDDtUsrio5DaOkuXrcDzQtufB</ser:Id>
    </ser:DraftDiscardRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

#### Response

```

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

```

## 5.18.7 Entity draft open

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

### Request

See chapter [DraftOpenRequest](#)

### Response

See chapter [EntityOpenResponse](#)

### Example of the entity draft open for reading

#### Request

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

#### Response

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

### Example of the entity draft open for editing

#### Request

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

## Response

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

## 5.18.8 Entity draft close

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

### Request

See chapter [EntityCloseRequest](#)

### Response

See chapter [EntityCloseResponse](#)

## Example of the entity draft close

### Request

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

### Response

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

## 5.18.9 Entity draft read

Operation reads an entity draft.

### Request

See chapter [DraftReadRequest](#)

### Response

See chapter [DraftReadResponse](#)

### Example of the entity draft read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftReadRequest>
      <ser:SessionToken>vng2oUHz7XxEjTeREL2kV7F1EHZB9XbCkeAa19wn4r</ser:SessionToken>
      <ser:Id>QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0</ser:Id>
    </ser:DraftReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Draft id="QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0">
        <Title>OPTION EXERCISE!</Title>
        <Type>Document</Type>
        <Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWI1A00EA</Description>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-04-26T09:45:13.196Z</Created>
        <Accessed>2019-05-10T07:21:57.733Z</Accessed>
        <Modified>2019-04-26T09:52:12.257Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
        </ModifiedBy>
      </Draft>
    </DraftReadResponse>
  </S:Body>
</S:Envelope>
```

```

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

```

## 5.18.10 Entity draft update

Operation updates an entity draft.

### Request

See chapter [DraftUpdateRequest](#)

### Response

See chapter [DraftReadResponse](#)

## Example of the entity draft update

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DraftUpdateRequest>
      <ser:SessionToken>vngq2oUH7XxEjTeREL2kZ9KhBvV7F1EHZB9XbCkeAa19wn4r</ser:SessionToken>
      <ser:Id>QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0</ser:Id>
      <ser:DraftUpdate>
        <ser:Title>OPTION EXERCISE</ser:Title>
        <ser:Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYW1IAOOEA</ser:Description>
      </ser:DraftUpdate>
    </ser:DraftUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

**Response**

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DraftUpdateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Draft id="QQUZ0nDWeIsbEdH_3zJHT1dVo7JYS7_0">
        <Title>OPTION EXERCISE</Title>
        <Type>Document</Type>
        <Description>3.598134.D5H2HIEN5RMZSVAAN1ROFOYJYWIIA00EA</Description>
        <Creator id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Creator>
        <Owner id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Owner>
        <Template id="FiledDocument">
          <Label>Filed Document</Label>
          <EntityType>Document</EntityType>
        </Template>
        <Created>2019-04-26T09:45:13.196Z</Created>
        <Accessed>2019-05-10T07:21:57.733Z</Accessed>
        <Modified>2019-05-10T07:51:05.832Z</Modified>
        <ModifiedBy id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </ModifiedBy>
        <Keyword>new</Keyword>
        <EffectiveRights readAccess="true" writeAccess="true" moveAccess="true"
deleteAccess="true" changeRights="true" createReferences="true" createSubEntities="true"
changeSecurityClass="true" changeStatus="true" changeRetention="true"/>
        <PhysicalProperties/>
        <Object id="189fczfVDFeeJp6dZOSiHYLygu5s_x6c">
          <Description>03644.pdf</Description>
          <Size>346432</Size>
          <ChildCount>0</ChildCount>
          <Indexed>false</Indexed>
          <Signed>false</Signed>
          <Created>2019-04-26T09:45:13.197Z</Created>
          <Accessed>2019-04-26T09:45:13.197Z</Accessed>
          <Modified>2019-04-26T09:45:13.197Z</Modified>
          <ContentType>application/pdf</ContentType>
          <Extension>.pdf</Extension>
        </Object>
      </Draft>
    </DraftUpdateResponse>
  </S:Body>
</S:Envelope>

```



### **5.18.11 Entity draft access rights read**

Operation reads an entity draft access rights.

#### Request

See chapter [EntityACLReadRequest](#)

#### Response

See chapter [EntityACLReadResponse](#)

### **5.18.12 Entity draft access rights read for each directory entity**

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

#### Request

See chapter [EffectiveRightsReadRequest](#)

#### Response

See chapter [EffectiveRightsReadResponse](#)

### **5.18.13 Draft access rights create**

Operation creates an entity draft access rights.

#### Request

See chapter [EntityACLEntriesCreateRequest](#)

#### Response

See chapter [EntityACLEntriesCreateResponse](#)

### **5.18.14 Entity draft or draft property access rights update**

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

#### Request

See chapter [EntityACLEntryUpdateRequest](#)

#### Response

See chapter [EntityACLEntryUpdateResponse](#)

### **5.18.15 Entity draft or draft property access rights delete**

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

#### Request

See chapter [EntityACLDeleteEntryRequest](#)

#### Response

See chapter [EntityACLDeleteEntryResponse](#)

### **5.18.16 Draft property value read**

Operation retrieves the value of an individual draft property.

#### Request

See chapter [EntityPropertyReadRequest](#)

#### Response

See chapter [EntityPropertyReadResponse](#)

### 5.18.17 Draft property value create

Operation adds the value of an individual draft property to the end of the collection of values.

#### Request

See chapter [EntityPropertyCreateRequest](#)

#### Response

See chapter [EntityPropertyReadResponse](#)

### 5.18.18 Draft property value change

Operation changes the value of an individual draft property at a given position within the collection of values.

#### Request

See chapter [EntityPropertyUpdateRequest](#)

#### Response

See chapter [EntityPropertyReadResponse](#)

### 5.18.19 Draft property value delete

Operation deletes the value of an individual draft property at a given position within the collection of values.

#### Request

See chapter [EntityPropertyDeleteRequest](#)

#### Response

See chapter [EntityPropertyDeleteResponse](#)

## 5.19 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 Entities export

Operation exports entities.

#### Request

See chapter [EntityExportRequest](#)

#### Response

See chapter [EntityExportResponse](#)

### Example of the entities export

#### Request

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

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <EntityExportResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Output>UEsDBBQACAgIAPZihE0AAAAAAAAAAAAAAAAALAAARXhwb3J0RGF0YS...</Output>
    </EntityExportResponse>
  </S:Body>
</S:Envelope>
```

### 5.19.2 Entities import

Operation imports entities.

**Request**

See chapter [EntityImportRequest](#)

**Response**

See chapter [EntityImportResponse](#)

#### Example of the entities import

**Request**

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntityImportRequest>
      <ser:SessionToken>vng2oUHz7XxEjTeREL2kZ9KkeAa19wn4r</ser:SessionToken>
      <ser:Id>-QavMShq8w9A5s-3wk4fhAlBbHPcwFc-</ser:Id>

      <ser:Data>UEsDBBQACAgIAA5Rqk4AAAAAAAAAAAAAAAAAAAAAAARXhwb3J0RGF0YS8DAFBLBwgAAAAAagAAAAAABQSwMEFAAICAgAD1GqTgAAAAAAAAAAAAAAAAAABsAAABFeHBvcnREYXRhL2RvY3VtZW50XzFfMS5iaW4rSa0oAQBQSwI6eL0wYAAAAEAAAUEsDBBQACAgIAA5Rqk4AAAAAAAAAAAAAAAAAAAAAAARXhwb3J0RGF0YS9kb2N1bWVudF8xLnhtbKVWS3PiOB
C+z69w+ZLDFvgBGEwZTxFsNuxCMgtkspmsL7FFrILsE0nGsL9+208goSrZwu7d0tfqr5/G+rqPqLTDjJmKH11pbfVKwr
GfBCR+Hl3dr6etwDX+4ulxH7CAgnAMR/ueTCSQyG2Q0XJsqyddd0Je1Z0VdWUvxfz1R/iCMkNmHwMbpGYCxt7uLI6sw
ho1IqxyBL2UphGccOvugJcu21Vk+0vkmQ5mPuMbAVEU9QXMAVeuKCIv+UKhy84AO8FdgC74W11FoJVs7R1k8R52RdfJ
Q/3TxxfuxBvrCt5j/dUii7d1XablNKD95oiCgAceJeweh+iUurXPMNRUv/E1RJEUGw7iz9GOIzWsz1PmXKSs+IA3QHCCw
kXCTu8zWKAxDEMn2FQA1tXNb019lqqudb0w4MvB3dUY3fVH2oqkCogtVmyRbHH1tVqCqo2q+lnNE7Ibyl6F3NoZ1Eyh
vHW8wiFAPY3iDKsaUCDyo3R4PaUf5soc8CUI141xF+4AJHHimu0TbM9v7cGLfrh/WPNfkeLbsP99vsafxtt9j8MXd/Z8
8HcPPopvBtuyi0JaboUh8T7vkhoYGBzOzWX2i3WlWvg8w93irk710N+GYXj/dfPozqd+ylFN0ac+wyL1A06A48ALCtw
knhc5hBoMU2sKY7R8m2Y/0cfVKb/smIbd8tdquvhs6WjzR3k9L+cQJRUR1EIV2z/EHBYKBIztsC5ZCcSqlKV544NDtK
ldrdeAHRGIEqzYUDXo7OxCjYFSIUxSaKfoLTuoEZRFyCjU6eicnFZRYD91ULdyKu0Vho4H4JvjErt10NhmEMyVerckcZ
5MKUQ89BB9TsAmjEby6mas9wz5mADEhBQch3Uk00igtgLWYpIhEdyvsK4EziWQIRx8U210sI8n3MOYaV/X7wBu3uQC
8HT5aqcb2Eywe0X+Mi+Drku+hDICf/ALmuXEQ4ks2B7phux702TWPpa65mu0elMu45mdh132ukbmm0q5rQ371wb3b6jjQ
c9beqOHaM/6egT04FNH1S18DRPaz+RGJoBctPsvzKf9dr3jx0Cp7DRUo7ZSP4pUhzJjKvisAV2s9sbdz1bu443ns/vHo
C0gPz0lu5kFbd89Nzb9Wz9mOcGsgzdCRIHq6LLZClAjRjtGpGhGpsd7yG5xxf8o9hIDG8qWbnIO8ow9cNfoF0T4A2BoC
GYsy6lcr9INpxNz/0Q+DwtTK5d5w8objoOIxCT/sMLu5v8v9b8Qwn9Ke75/6NuVeZzFhBL/IG0IFXlwk/14tZKmd3PHXU
rO3eR+AazlT+zRsp3a45kSymXEvzrUpbVAvsXUESHCLINaDpAwAapwAAAFBLAwQUAAgICAAOUapOAAAAAAAAAAAAAAAA
AAKGAEEV4cG9ydeRhdGEvcMv0ZW50aW9uX2FuZj9kaXNwb3NpdGlvb18xLnhtbI1Ty27CMBC88xUW15yIE9rSh0xQVV
oJqfTQl4ukYkXcJs4wTYE/r7OCwUEosfdnzmdXA/JYBNHaA1S8UT0Ldd2LAQITBgX8741eXvq3FgDr0VeQYYPQBpcCx
YmuUoTxYvYDxfAVhGgJWL99kLr9A7jLMvs7MJO5Bx3HcfFn+PnHbftToHx87AOF0pTEYLBx5FQewwXr0BOkvb0GNEw
nLljbeL23HbXsthMgQVCh5mjvMY5PRXefguQ7aApWK4D1ua3SqtKShLkOTYA160SwgOtmGUS2AZL0Rgtlhm6Mggap/kS
tgaQTvOyExFYxqwmVM+GAo8rg2IkEa0ZrOGu9iRjP+jpQqb8b/CdqpCsH7ncmI5dPobUVTW6UhDniRnXGQja3UZ2QGC5
rqqjorjzrfafDxk36svfxm9XN9y/qJ8P/Xfe106nkZXP/ngzopU9o8aIbhp10xUDTcXp1dq55WLBuHeXKGn5crsqZmpO+
w4BBdKBJ//K17rD1BLBwjENcrfegEAAHcDAABQSwMEFAAICAgAD1GqTgAAAAAAAAAAAAAAAAAABAAABFeHBvcnRSZXBvcn
QudHh0dy+7bsMwDEV3A/4Hbk7R2KEEFKml5rG0QDt0L1SJD1TIVqBHKm+v7NhFM5SLcK8OycvD9ex8NMMJgnJnEhXfNs
g2OBav1hds1zepKcpezNkw5NKppgLiegTrYGmAe/S0xCD6KQN2VRWhkBrjpnNflFaadSP8E3LZM28dWdl166GE2Dop
sui7LgyNoan2qGHwFPpveNrzFR+SIUMNhSkAa9vNkuD8CzBAddMbsj0511Jslxidrrr0dl+gZ0JatE030Dm8vK3yAoz
2v2VxnK74//93+x3B/hA/UESHCfHb+uPbAAAAbAEAAFLAwQUAAgICAAOUapOAAAAAAAAAAAAAAAAAAAAAAAEV4cG9ydeF
JlG9ydeC54bWV9V9uSsqgWffcrKqofiXO4CUJHVU1kckdRuanwccKbgFyVm/D1glXd5zgdPRM9PmVud+5cudZeafr2r3
uRv/TRrUmr8v0V/469vkrLUIVpGv+/2pb4jXl9aVqvDL28KqP317J6/dfHmxHV1al9Cb12DhEYzn7DqG84ZuHY7xjz08
F+x5dLBCN+x7DXj8Xly5vZem3atGnQvAS51zSil+bdbV47b/cZMLsgjJrmM3BO8+g54TF//v4WBdUtmfM74ivzMWV/Rz1
3/Spm/PHtYzzpJM8VX3un5zSY4VU1V4WP46y+YziKPT7E60viNcn7K00zFCPSqyVdCTTnihSFcyIHkZzEWEBcKaokS
NeJsAhRrEEt2IYSNERioIEgXP88qvOdy+PqlvaJsX7qkDgqJfP4T7g0neaz00rIKuiMr2B/59FuUN/cL4CR59qj9jb+
esGe8PUIY/+LSpqyb9nJtBeOvdHv065X/JEN729jNpVvlH+FTuJ47/VuUT2j+C82amcmLsxov8clYFilp2/p3FB2G4f
tAfq9uMURmJkMYi84JYzPGv71+fK6KQqU8Vx9vnFDW5axUnk6famlRmlThC/jf6d+WxFEce5T8Ft2DbwG+LH+bu+MXnH
9Y5T+A3RrvW5N4jzabKT5Ht9kx0YttKO+vM2br5pXNuboVzdp4/9sgKvsor+oo/Nb8if0xF/pcm/jqGn/MQnY81F9Bv
rbjPzReeifJQ5e3kUfZHHwLQKq12MBquNJ0v2a8raRwclKZn3r0aKO5NI79PYv7+hzysfhfAHB/P4WbGfJH815okZtN
```

```

Q5Q0bKN2A50gerxax7iM62KrlEmTwrFHZWK9XMzszZ08q7CHUf40cRResTsZRCayxxFp0KA1+sd7w91PJZyt3I7zf2Er
KuOMq9GBXUQavFrBYWo9551SevT3VkmrxwqQlCgTpvTJfWBWUfExkVEZexG3sc31puh1U9bYLNkoJ45UuI689Dt1Oq
GaFIetRzq3zofTFRl1tWvPbLy0d7wjJnpNWCwXur50e0K9cLatHZ7NfYcc25TlmMa0lajo4EQg51RergF6IEhe5m6j51
KOxe6kLrLuKBdY9Rfco901xgW6LEHqWYRdiZv7/ZRezQ3te4mh3GbBLZ76JCQ4Y9wc8GWUNdf37+IfyL7bR2NXyrMgz
9Chgl+TbRqtmBxNwrWxjsKq13y9y9Y312jKxI2I6gOK6j9HRyajaPngrbfhBjZnMlSjR3ZqvFSNi9rt8d5sHEUylRaIg
jhwr5ayK4eph23spcXR6aW5/TscwF66alMdJJSvVe05LL1ZMheWHWI2R6dKddLvesPFg3WpvWyD1hTX9fL/b1ioibQM
sFdtP4xk7pN1xB19YGD0kYofemx9QzJiucjURkVdvC7p5564Kqaa2DV/dy8TZHpKslhvJRC62TWL6trnSfU3ydlSIxtI
Kh+iJYYiilZ41st/O7xFL9nEUSpcdq2zFgxFuV50s9/VKzfpbr0SyQ8ULZesiDKNco5V0tFyJm/ytwce3nrGFJj+AdK
jxyRkeqvzJ8tvjwi3ne/ID6AC+oT+ns3ueVUF/DU8Uxj4u6K8RF93arx+q6ENTFEmwOA6grQwGBYJYWR+5A04P4PGBwg
S2MM6uSZZK7IBBnSi4KGoGcogAGfNuUqRuvtxI+lwIRKOFxDZEXeSBceNKzVJpZVC1cYHgirFR+8d80oxsEAEHP+g6L9
yh6h/F0jTSpU3mUygd2gDbQg0uTwveEgIn18yTL4zaJbhv8+o0x5Y/Y9NnbDhPgqlBIHFxYapVYTHpQNGdgTl1tYMfR
BiZ714hjmjFLWjXgeTsNVAIwHcFri7Jpg2XtuT4Gkw/oyB+7y8OHReIbbecRkbEpsGhUgs3KN2X/OgeOaF04WjdFRzv6
iT+ZjqpjB6p1STsDhcdClvvZPWzdQMcSykGsAkzrxKpuKTC14XHqQCsFQgP4BHwhpUsxA6LyW6Bc10na3SQymbiOFS26
U+XyauU9NqGkb521ZHgmJJK7qjUVAsYBzumsYhj1FeoLGY2viSkYk5e1E06/2SLn1tuWmtDbufyWR2UadkBa6Iduct
zyiOqjtKurQI72w22hyCPKLMfdXjLDw66vJu22kmRcbZAMKXuPuw+jbWHdvXfokWnW/jXU+gMZiCtUGL9R/UgVilqFd
J5rC9WklFd/aKsqvUF7tt1fo0nTkXv58jHqYV6e2KnLDjYwYnn8MMIe8ZgFpohpKej1YaLtaYfiKgzbkYplajcYrAt
lrIYeUTWEiHZMsw0sBYrxcTUNarxrX3eYSJta4sOM69K6b48HmN1x5215APDcMkC5xLMuL2QFwmMAGxtuDrDoZGhoHPT
AYwFHXlaskfBAfEraHfDBsLbCdCdfyn6vzsfG4oYOBjR3nkLj6TB50DMQc0EEjQbHazrWQNVBLHfUn065qsQezRYeF60
cI9WK60BlxxgLrnl5jw6ocaW7a0I+2owVoc5/dYcZmdlNIESgClYvINogGGAOZGWQH3YysAuE8SBWwG5wpyAQeC3FhJ
hPSft55C0o1WF1G09Ug+Qx4bdhOgKj6Kt44zebKBBXzVb0iYO4TQfTpkCbPZHn3pGLGkRp94t5ssLxdOMew9ovQik
5bzD3ik44JnUoqjSYO8zFnS823BBwECEUwJfz3H8OIEI9WAAjgueN1v8z93+iubA/u2NsSm2Y8iDevGpomkLyizyFA
X95I2LNeEJBQ/n4HpwZu5teRzomOJPWgzIM8Pe+1q7eCkdr6CiCdIvg/8ydQH/ifFnoz/30wMF4ON4Njcom1/tcP1t5f6
VhwodFc4hrwyElpfdDnZidqBMs5agqlgeevF13294spgGppOqGDTsfxewmvkilonP8ShlJQbyH/u2g3Q8b0YfnT15hU9
JrPna6ELmfMOp1A32faDhbWjclBPfflVNXrR8LVyRhR0Suk542k8C/ppuKvLsIuT4oeF/irntk6L1Ks9QuvFEpq+6nbE
+UuzA4odLJp3v8Sm0Wwt+YF/2+09S12yP3bH3G4tthiaqSEVKhlRiZiWzylciGt7FRt1PWD4wTmG1AwiZnlEbmLQYZA
9ptd2iI2vjLEG6g9ahnzaLGI69FOf7/Ez1PMctyMxWad6Aq1+5ddNnrU3zEP3BEUc2EHK0Uke9fWNC9d8t1iXOrna2y
id+By90prpghzSrbFrXftFogWpTw0fnr31ed8kbtKdt8Fpos0zYxN4ZaGX6wYLCx6Oy0DaEotORLjtak+gSZR3BJrFSK
xyjLbHPUBv9j7bChLbX2csobAXXfJwEvmwZojVznFOP1shMxuaRfQyEV6Qbm9bKTj2tZiVYhK5LwaGCIetacZ21pe9c
EE73HHyVHLYLXkwFrXrVclTfXc5kPp2svQAXre/OuT+oiN/j5UjAidpsZUamyCCBOM5WmK5vei3GWSO448xanZQDXCD
U7Fdv3hF0oaSFUt80mOqFdW5pkGmFqsSck5Hbruyulkk7hLUQCsrOT7EC9oX99ShxFvh4Z6M8H46+n50fb/vFH8ePFUE
sHCPVLoEB4CgAAKBAAAFBLAQIUABQACAgIAA5Rqk4AAAAAGAAAAAALAAAAAAAAAAAAAAAAAAAAAAAAAABFeHBvcnREYX
RhL1BLAQIUABQACAgIAA5Rqk7Hp4s7BgAAAAQAAAAAbAAAAAAAAAAAAAAAAAAAAAAAAAAdSAAABFeHBvcnREYXRhL2RvY3VtZW50Xz
FfMS5iaW5QSwECFAAUAAgICAAOUapOshg1oOkDAACnQAAAGQAAAAAAAAAAAAAAAAACKAAAAARXhwb3J0RGF0YS9kbn1lbW
VudF8xLnhtbFBLAQIUABQACAgIAA5Rqk7ENcrfegEAAHcDAAAGQAAAAAAAAAAAAAAAAALoEAAABFeHBvcnREYXRhL3JldG
VudG1vbl9hbmRfZGlzcG9zaXRpb25fMS54bWxQSwECFAAUAAgICAAOUapOWEH649sAAABsAQAAEAAAAAAAAAAAAAAAAA
CMBgAARXhwb3J0UmVwb3J0LnR4dFBLAQIUABQACAgIAA5Rqk71S6BAeAoAACgQAAAAQAAAAAAAAAAAAAAAAAKUHAABFeH
BvcnRSZXBvcnQueG1sUESFBgAAAAAGAAAYAnQEAAFsSAAAAA==</ser:Data>
    </ser:EntityImportRequest>
</soapenv:Body>
</soapenv:Envelope>
    
```

**Response**

```

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

**5.19.3 Entities export logs read**

Operation reads entities export logs.

**Request**

See chapter [CollectionReadRequest](#)

**Response**

See chapter [EntitiesReadResponse](#)

## Example of the entities export logs read

### Request

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

### Response

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

## 5.19.4 Entities import logs read

Operation reads entities import logs.

### Request

See chapter [CollectionReadRequest](#)

### Response

See chapter [EntitiesReadResponse](#)

## Example of the entities import logs read

### Request

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

### Response

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

## 5.19.5 Entity export in ASiC format

The operation exports a given entity in the ASiC format of the interoperable form of content export with the associated authenticity evidence. Export in the ASiC format enables only the export of a single selected entity. The ASiC format is in the “Extended” form, where multiple evidence is possible for the exported contents. The basic information is available at [https://en.wikipedia.org/wiki/Associated\\_Signature\\_Containers](https://en.wikipedia.org/wiki/Associated_Signature_Containers).

### Request

See chapter [EntityExportRequest](#)



### Response

See chapter [EntityExportResponse](#)

## **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 reviews.

#### Request

See chapter [CollectionReadRequest](#)

#### Response

See chapter [ReviewsReadResponse](#)

### **5.20.2 Review public information read**

Operation reads a review public information.

#### Request

See chapter [ReviewStubReadRequest](#)

#### Response

See chapter [ReviewStubReadResponse](#)

### 5.20.3 Review open

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

#### Request

See chapter [ReviewOpenRequest](#)

#### Response

See chapter [EntityOpenResponse](#)

### 5.20.4 Review close

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

#### Request

See chapter [EntityCloseRequest](#)

#### Response

See chapter [EntityCloseResponse](#)

### 5.20.5 Review read

Operation reads a review information.

#### Request

See chapter [ReviewReadRequest](#)

#### Response

See chapter [ReviewReadResponse](#)

## 5.20.6 Review page read

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

### Request

See chapter [ReviewItemReadRequest](#)

### Response

See chapter [ReviewItemReadResponse](#)

Operation exports a collection of entities of an individual review page in the XML or CSV format.

### Request

See chapter [ReviewItemExportRequest](#)

### Response

See chapter [ReviewItemExportResponse](#)

## 5.20.7 Modifying an Entity on a Review page

The operation modifies an entity on a review page.

### Request

See chapter [ReviewItemUpdateRequest](#)

Operation imports modified entities on a review page in the XML or CSV format.

### Request

See chapter [ReviewItemImportRequest](#)

### Response

See chapter [ReviewItemImportResponse](#)

## 5.20.8 Review create

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

### Request

See chapter [ReviewCreateRequest](#)

### Response

See chapter [ReviewReadResponse](#)

## 5.20.9 Review update

Operation updates a review.

### Request

See chapter [ReviewUpdateRequest](#)

### Response

See chapter [ReviewReadResponse](#)

## 5.20.10 Review audit log read

Operation reads a review audit log information.

### Request

See chapter [ReviewAuditLogReadRequest](#)

### Response

See chapter [AuditLogReadResponse](#)

### 5.20.11 Authenticity evidence read

Operation reads a review authenticity evidence information.

#### Request

See chapter [EntityNonrepudiationReadRequest](#)

#### Response

See chapter [EntityNonrepudiationReadResponse](#)

### 5.20.12 Review Save log read

The operation retrieves the report on saving the review.

#### Request

See chapter [EntitySaveLogReadRequest](#)

#### Response

See chapter [EntitySaveLogReadResponse](#)

### 5.20.13 Review template read

Operation reads a review template information.

#### Request

See chapter [ReviewTemplateReadRequest](#)

#### Response

See chapter [ReviewTemplateReadResponse](#)

### **5.20.14 Review access rights read**

Operation reads a review access rights information.

#### Request

See chapter [EntityACLReadRequest](#)

#### Response

See chapter [EntityACLReadResponse](#)

### **5.20.15 Review access right create**

Operation creates a review access right.

#### Request

See chapter [EntityACLEntriesCreateRequest](#)

#### Response

See chapter [EntityACLEntriesCreateResponse](#)

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

Operation updates a review explicit access right.

#### Request

See chapter [EntityACLEntryUpdateRequest](#)

#### Response

See chapter [EntityACLEntryUpdateResponse](#)

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

Operation deletes a review explicit access right.

#### Request

See chapter [EntityACLDeleteEntryRequest](#)

#### Response

See chapter [EntityACLDeleteEntryResponse](#)

### **5.20.18 Review entities transfer**

Operation exports a review explicit access right.

Operation exports entities.

#### Request

See chapter [ReviewTransferRequest](#)

#### Response

See chapter [EntityExportResponse](#)

## **5.21 Deleted / Disposed**

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

### **5.21.1.1 Disposed entities read**

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

#### Request

See chapter [DeletedEntitiesReadRequest](#)

#### Response

See chapter [DeletedEntitiesReadResponse](#)

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

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

**Response**

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-27T15:01:37.000Z</Deleted>
        <Description>5-years Regular review</Description>
        <Id>sxxzd8whmtwmxyG7ruJ4V7YTKyfwAbluR</Id>
        <Title>Review 5YR</Title>
      </DeletedEntity>
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-28T10:29:31.000Z</Deleted>
        <Description>3-years Regular review</Description>
        <Id>hTH03-xqVSzRULQOReKRW8xVVd_gHfve</Id>
        <Title>Review MH-3YR</Title>
      </DeletedEntity>
      <PageStart>0</PageStart>
      <PageSize>2</PageSize>
      <Size>4</Size>
    </DisposedEntitiesReadResponse>
  </S:Body>
</S:Envelope>
```



## 5.21.2 Disposed entity read

Operation reads a disposed entity.

### Request

See chapter DisposedEntityReadRequest

### Response

See chapter DisposedEntityReadResponse

### Example of the disposed entity read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntityReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuaEFhSCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz</ser:Id>
    </ser:DisposedEntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

#### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntityReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>
        <Container>true</Container>
        <ChildCount>1</ChildCount>
        <Deleted>2018-11-28T13:11:04.000Z</Deleted>
        <Description>Regular review 5-years</Description>
        <Id>nvRKi-Y94neJUmIC3oAS0St_m_-Iv1jz</Id>
        <Title>Review 18/11/1</Title>
      </DeletedEntity>
    </DisposedEntityReadResponse>
  </S:Body>
</S:Envelope>
```

### 5.21.3 Disposed entity audit log read

Operation reads a disposed entity audit log.

#### Request

See chapter [DeletedEntityReadRequest](#)

#### Response

See chapter [AuditLogReadResponse](#)

#### Example of the disposed entity audit log read

##### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DisposedEntityAuditLogReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUEfHsCKQO9PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>urMMVFNPvZCBqIFilGx6vPvToHCKlbE4</ser:Id>
    </ser:DisposedEntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DisposedEntityAuditLogReadResponse
xmlns="http://www.imis.eu/storageconnector/services">
      <Event computerName="SERVER" publicAddress="127.0.0.1" time="2018-11-28T13:11:04Z"
type="EntityDisposed">
        <Details>Retention policy conflict. No default reason available.</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-28T08:41:12Z" type="ContentPartSave">
        <Details>Video_mDMS_Service_v1.docx [1b8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </User>
      </Event>
      <Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-28T08:41:12Z" type="ContentPartCreate">
        <Details>Video_mDMS_Service_v1.docx [1b8-iJLw9zug3oaba8-YHRosLJj0SthD]</Details>
        <User id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
```

```

    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </User>
</Event>
<Event computerName="MARKOPC" localAddress="192.168.80.67"
publicAddress="192.168.80.67" time="2018-11-28T08:41:12Z" type="EntityCreate">
  <User id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </User>
</Event>
</DisposedEntityAuditLogReadResponse>
</S:Body>
</S:Envelope>

```

## 5.21.4 Deleted entities read

Operation reads deleted entities.

### Request

See chapter [DeletedEntitiesReadRequest](#)

### Response

See chapter [DeletedEntitiesReadResponse](#)

## Example of the deleted entities read

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntitiesReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuaEFhSCKQ09PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Paging>
        <ser:PageStart>0</ser:PageStart>
        <ser:PageSize>2</ser:PageSize>
      </ser:Paging>
    </ser:DeletedEntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

### Response

```

<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <DeletedEntitiesReadResponse xmlns="http://www.imis.eu/storageconnector/services">
      <DeletedEntity>
        <Agent id="admin">
          <FirstName/>
          <LastName>Administrator</LastName>
          <Email>admin@acme.com</Email>
          <Type>User</Type>
        </Agent>

```

```

    <ClassificationCode>C=05^C=03</ClassificationCode>
    <Container>>false</Container>
    <ChildCount>0</ChildCount>
    <Deleted>2018-11-16T14:29:44.000Z</Deleted>
    <Description>temp</Description>
    <Id>h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q</Id>
    <PublicClassificationCode>05.03</PublicClassificationCode>
    <Reason>temp</Reason>
    <Title>Employee Records</Title>
  </DeletedEntity>
</DeletedEntity>
  <Agent id="admin">
    <FirstName/>
    <LastName>Administrator</LastName>
    <Email>admin@acme.com</Email>
    <Type>User</Type>
  </Agent>
  <ClassificationCode>C=06^C=01</ClassificationCode>
  <Container>>false</Container>
  <ChildCount>0</ChildCount>
  <Deleted>2018-12-04T08:26:52.000Z</Deleted>
  <Description>IMiS/Scan project</Description>
  <Id>iWvjJbVX3KohUjcYcOrVhYQSHbYPM2bq</Id>
  <PublicClassificationCode>06.01</PublicClassificationCode>
  <Reason>.</Reason>
  <Title>Scan project</Title>
</DeletedEntity>
<PageStart>0</PageStart>
<PageSize>2</PageSize>
<Size>48</Size>
</DeletedEntitiesReadResponse>
</S:Body>
</S:Envelope>

```

### 5.21.5 Deleted entity read

Operation reads a deleted entity.

#### Request

See chapter [DeletedEntityReadRequest](#)

#### Response

See chapter [DeletedEntityReadResponse](#)

#### **Example of the deleted entity read**

##### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntityReadRequest>
      <ser:SessionToken>nPZ4PNdWVBUaEFhSCKQ09PvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q</ser:Id>
    </ser:DeletedEntityReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```



## Response

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

### 5.21.6 Deleted entity audit log read

Operation reads a deleted entity audit log.

#### Request

See chapter [DeletedEntityReadRequest](#)

#### Response

See chapter [AuditLogReadResponse](#)

### Example of the deleted entity audit log read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:DeletedEntityAuditLogReadRequest>
      <ser:SessionToken>nPZ4PNdWVBuaEFhSCKQO9FvnmP8gJ7AD9jpbOEYX</ser:SessionToken>
      <ser:Id>h2gvyyUGPT8QNY1L-N7gZaSnG1WGYd5Q</ser:Id>
    </ser:DeletedEntityAuditLogReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

```

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

```

## 5.22 Legacy archival

The archive server enables unstructured object storage.

Below is a description of operations for the legacy archival.

### 5.22.1 Content object open

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

### Request

See chapter [ObjectOpenRequest](#)

### Response

See chapter [ObjectOpenResponse](#)

## 5.22.2 Content object close

The operation closes the open object using the unique identifier acquired on opening. In the close operation, the response is without content.

### Request

See chapter [ObjectCloseRequest](#)

### Response

See chapter [ObjectCloseResponse](#)

## 5.22.3 Content object read

Operation reads content object.

### Request

See chapter [ObjectReadRequest](#)

### Response

See chapter [ObjectReadResponse](#)

### Example of the content object read

#### Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.eu/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:ObjectReadRequest>
      <ser:SessionToken>1YLOFFWzHY0He1RRSNDE1pD4RdTYJCe8rC3</ser:SessionToken>
      <ser:Id>jMDmA5CDBBMJX58j__oq9OQrWcX12jSS</ser:Id>
    </ser:ObjectReadRequest>
  </soapenv:Body>
</soapenv:Envelope>
```



## Response

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

        <Content>JVBERi0xLjQNCiWltbW1DQoxIDAgb2JqDQo8PC9UeXB1L0NhdGFsb2cvUGFnZXMgMiAwIFIvTGFuZyZyZC1
        TSSkgL1N0cnVjdFRyZWVsb290IDMzIDAgUi9NYXJrSW5mbzw8L01hcmtlZCB0cnVlPj4vT3V0cHV0SW50ZW50c1s8PC9
        UeXB1L091dHBldEludGVudC9TL0dUU19QREZBMS9PdXRwdXRDb25kaXRpb25JZGVwMDAwMCCBuDQowMDAwMzZmM3IDA
        wMDAwIG4NCjAwMDAzMzkwMTEgMDAwMDAgbG0KdHJhaWxlcg0KPDwvU2l6ZSAxOTEvUm9vdCAxIDAgUi9JbWZvIDMyIDA
        gUi9JRFs8MTA1ODJENUe1MUNDMDI0RDhDQUE4MUE5RDI0NzE2OTk+PDEwNTgyRDVBNTFDQzAyNEQ4Q0FBODFBOUQyNDc
        xNjk5Pl0gPj4NCnN0YXJ0eHJlZg0KMzQyNDU0DQo1JUVPRg==</Content>
      </Object>
    </ObjectReadResponse>
  </S:Body>
</S:Envelope>
```

## 5.22.4 Content object create

Operation creates the content object.

### Request

See chapter [ObjectCreateRequest](#)

### Response

See chapter [ObjectCreateResponse](#)

## Example of the content object create

### Request

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

    <ser:SessionToken>1YLOFFWzHY0He1RRSND1pD4RdTYJCe8rC31iEKCXDHUW9YAaUf3RMkHOS8rDuBP</ser:SessionToken>
    <ser:ContentType>text/plain</ser:ContentType>
    <ser:Content>cid:1255209549995</ser:Content>
    <ser:Stage>Dokumenti</ser:Stage>
  </ser:ObjectCreateRequest>
</soapenv:Body>
</soapenv:Envelope>
```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <ObjectCreateResponse xmlns="http://www.imis.eu/storageconnector/services">
      <Object>
        <Id>68e31f5c6e9fbe4208c9e2f3fbe5c61b06946b528de75ff1b68269bca8982dcb</Id>
        <Size>18</Size>
        <ContentType>text/plain</ContentType>
        <Extension>.txt</Extension>
      </Object>
    </ObjectCreateResponse>
  </S:Body>
</S:Envelope>
```

## 5.22.5 Content object update

Operation changes a content object.

### Request

See chapter [ObjectUpdateRequest](#)

### Response

See chapter [ObjectUpdateResponse](#)

## Example of the content object update

### Request

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

    <ser:SessionToken>1YLOFFWzHY0He1RRSNDE1pD4RdTYJCe8rC31iEKCXDHUW9YAaUf3RMkHOs8rDuBP</ser:SessionToken>
    <ser:Id>68e31f5c6e9fbe4208c9e2f3fbe5c61b06946b528de75ff1b68269bca8982dcb</ser:Id>
    <ser:Content>cid:962019498406</ser:Content>
  </ser:ObjectUpdateRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

## Response

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

## 5.22.6 Content object delete

Operation deletes a content object.

### Request

See chapter [ObjectDeleteRequest](#)

### Response

See chapter [ObjectDeleteResponse](#)

## Example of the content object delete

### Request

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

    <ser:SessionToken>1YLOFFWzHY0He1RRSND1pD4RdTYJCe8rC31iEKCXDHUW9YAaUf3RMkHOs8rDuBP</ser:SessionToken>
    <ser:Id>68e31f5c6e9f9be4208c9e2f3f3f5c61b06946b528de75ff1b68269bca8982dcb</ser:Id>
    <ser:Reason>Delete reason</ser:Reason>
  </ser:ObjectDeleteRequest>
  </soapenv:Body>
</soapenv:Envelope>
```

### Response

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

## 5.23 User session management

User session management enables access to operations for reading user sessions, closing user sessions, reading users' opened entities and closing users' opened entities. By default, the user can see only their own sessions that were opened with the same user profile. For managing other sessions, the session identifier is used, with which we can execute the operations of closing a session, reading opened entities, and closing opened entities.

Below is a description of user session management operations.

### 5.23.1 User sessions collection read

Operation retrieves a collection of all the user sessions opened by the user. The response never sends a "session token" for a specific session but a unique identifier which can be used to close the session. The user can see only their own sessions that were opened with the same user profile. The permission to view all sessions can be set in the configuration of each archive. The sessions collection read enables reading by pages and searching for sessions.

#### Request

See chapter [SessionsReadRequest](#)

#### Response

See chapter [SessionsReadResponse](#)

### 5.23.2 User session close

The operation closes the user session. The session identifier (SessionId) is needed to close the user session.

#### Request

See chapter [SessionCloseRequest](#)

#### Response

See chapter [SessionCloseResponse](#)

### 5.23.3 Opened session entities collection read

The operation retrieves a collection of all the currently opened entities under a user session, which have been opened by the user. The response sends the basic entity information, which can be expanded with the parameter “fields”. The user can view the opened entities under their own session or, by using the parameter “session\_id”, can view the opened entities under another session.

#### Request

See chapter [CacheEntitiesReadRequest](#)

#### Response

See chapter [CacheEntitiesReadResponse](#)

### 5.23.4 Opened session entities close

The operation closes the opened entities under a given user session. The request can send multiple temporary identifiers of the opened entities, which define the entities to be closed. The user can close the opened entities under their own session or, by using the parameter “session\_id”, can close the opened entities under another session.

#### Request

See chapter [CacheClearRequest](#)

#### Response

See chapter [CacheClearResponse](#)

## 5.24 Service load

The interface for checking the service load is used in “Load Balancer” environments, where specific traffic-routing algorithms can check the load of a given service.

The index defining mode can be set in the configuration, which can take into account the processor usage, memory usage, the number of requests and the duration of requests in a specific time period.

Two load-checking modes are supported:

- Load index;
- Response time.

### 5.24.1 Load index

This operation returns the index of the value that determines load. The index value ranges from 0 to 100.

0 means that the service is under full load, while 100 means that the service is fully available.

#### GET load.json

##### Request header

Authorization: Bearer [index token]

##### Request parameters

token	String	Access key to the load index.
-------	--------	-------------------------------

##### Response

Object dataset.

##### Response status

200 – Index read successfully.

500 - Server error.

## 5.24.2 Response time

This operation returns a response in a specific amount of time, which determines load. If the request takes less time, then the service is under smaller load.

### GET health

#### Request header

Authorization: Bearer [index token]

#### Request parameters

token	String	Access key to the load index.
echo	String	The value that will be sent back in the response.

#### Response

The dataset of the value of the “echo” parameter or an empty response.

#### Response status

200 – Index read successfully.

500 - Server error.

## 6 TROUBLESHOOTING

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

#### SOAP

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

#### 6.1.1 Bad authorization

##### Request

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

##### Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>S:Server</faultcode>
      <faultstring>No authentication method is available.</faultstring>
      <detail>
        <SystemFault xmlns="http://www.imis.eu/storageconnector/services">
          <Code>401</Code>
          <Message>Exception class
com.imis.storageconnector.services.model.exception.ServiceException:
com.imis.storageconnector.StorageConnectorException: Error occurred while opening a session
on server 'iarc.imis.si:16807'.
  at com.imis.storageconnector.services.app.Archive.&lt;init>(Archive.java:305)
  at com.imis.storageconnector.services.app.Sessions.create(Sessions.java:122)
  at
com.imis.storageconnector.services.app.BaseApplication.createSession(BaseApplication.java:15
3)
  at
com.imis.storageconnector.services.io.soap.StorageConnectorService.sessionOpen(StorageConnec
torService.java:309)
  at
com.imis.storageconnector.services.io.soap.MonitorFilter.doFilter(MonitorFilter.java:22)
Caused by: Exception class com.imis.storageconnector.StorageConnectorException: Error
occurred while opening a session on server 'iarc.imis.si:16807'.
  at
com.imis.storageconnector.IASessionPoolManager.createSession(IASessionPoolManager.java:790)
  at com.imis.storageconnector.imisarchive.Archive.getSession(Archive.java:878)
  at com.imis.storageconnector.imisarchive.Archive.authenticate(Archive.java:1928)
  at com.imis.storageconnector.services.app.Archive.&lt;init>(Archive.java:301)
  at com.imis.storageconnector.services.app.Sessions.create(Sessions.java:122)
```



```

    at
com.imis.storageconnector.services.app.BaseApplication.createSession(BaseApplication.java:153)
    at
com.imis.storageconnector.services.io.soap.StorageConnectorService.sessionOpen(StorageConnectorService.java:309)
    at
com.imis.storageconnector.services.io.soap.MonitorFilter.doFilter(MonitorFilter.java:22)
    Caused by: Exception class com.imis.imisarc.client.IAClientException: No authentication method is available.
    at
com.imis.imisarc.client.IAServerChannel.authenticateGetMethod(IAServerChannel.java:4109)
    at com.imis.imisarc.client.IAServerChannel.connectionOpen(IAServerChannel.java:2863)
    at com.imis.imisarc.client.IASession.open(IASession.java:2058)
    at com.imis.imisarc.client.IASession.open(IASession.java:2007)
    at
com.imis.storageconnector.IASessionPoolManager.createSession(IASessionPoolManager.java:786)
    at com.imis.storageconnector.imisarchive.Archive.getSession(Archive.java:878)
    at com.imis.storageconnector.imisarchive.Archive.authenticate(Archive.java:1928)
    at com.imis.storageconnector.services.app.Archive.<init>(Archive.java:301)
    at com.imis.storageconnector.services.app.Sessions.create(Sessions.java:122)
    at
com.imis.storageconnector.services.app.BaseApplication.createSession(BaseApplication.java:153)
    at
com.imis.storageconnector.services.io.soap.StorageConnectorService.sessionOpen(StorageConnectorService.java:309)
    at
com.imis.storageconnector.services.io.soap.MonitorFilter.doFilter(MonitorFilter.java:22) </Message>
    </SystemFault>
  </detail>
</S:Fault>
</S:Body>
</S:Envelope>

```

### Cause of the problem

The issue is caused by invalid username or password.

### Resolving the problem

Send a different username and password again.

## 6.1.2 Session timeout

### Request

```

<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:ser="http://www.imis.si/storageconnector/services">
  <soapenv:Header/>
  <soapenv:Body>
    <ser:EntitiesReadRequest>
      <ser:SessionToken>16028aa2-c020-4b18-97fd-addef2c25df8</ser:SessionToken>
    </ser:EntitiesReadRequest>
  </soapenv:Body>
</soapenv:Envelope>

```

## Response

```
<S:Envelope xmlns:S="http://schemas.xmlsoap.org/soap/envelope/">
  <S:Body>
    <S:Fault xmlns:ns4="http://www.w3.org/2003/05/soap-envelope">
      <faultcode>S:Server</faultcode>
      <faultstring>Not authorized</faultstring>
      <detail>
        <AuthenticationFault:AuthenticationFault
xmlns="http://www.imis.si/storageconnector/services"
xmlns:AuthenticationFault="http://www.imis.si/storageconnector/services">
          <Code>401</Code>
          <Message>Not authorized</Message>
        </AuthenticationFault:AuthenticationFault>
      </detail>
    </S:Fault>
  </S:Body>
</S:Envelope>
```

## Cause of the problem

The issue is caused by session timeout.

## Resolving the problem

Open new session.