



Imaging Systems Inc. Brnciceva 41 G Ljubljana Slovenia

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1 PREFACE

This manual describes the contents and structure of the IMiS[®]/Client and offers advice on the technical and operational aspects of its use.

1.1 About the manual

The manual presents the client architecture, user interface, range of actions over entities, mechanisms for verifying authenticity, report functionalities and the installation, configuring and management procedures of the IMiS[®]/Client.

1.2 Target audience

Information presented by this manual is intended for users with at least intermediate understanding of computer and application use.

1.3 Conventions

The manual employs several font types to convey information. These are explained below:

Font type	Used to denote
Regular	basic text, images, tables
regular bold	chapter titles (main chapters 1-6 and subchapters)
Italic	advice, examples, tips, instructions
"inside quotation marks"	titles of selectable functions, files or actions
underlined italic	see specified chapter for more information
Monospace	names of console commands, files, directories,
Monospace Bold	user input characters

Table 1: Manual font types and their meaning

1.4 Terms and abbreviations

Abbreviations appearing in the text and images of the user manual are explained below

Abbreviation	Description
7ZIP	7-Zip open source file archiver and format (extension
	».7z«)
ACL	Access Control List
AES	Advanced Encryption Standard
AFM	Adobe Font Metrics (extension ».afm«)
AIP	Archival Information Package
ANPA	American Newspaper Publishers Association news feed
	format
ATOM	Atom Syndication Format
BMP	Bitmap image file format (Windows format – extension
	».bmp«)
CA	Certificate Authority (trustworthy issuing authority)
CAD	Computer Aided Design
СНМ	CHM Help format (extension ».chm«)
CPIO	cpio file archiver and format (Unix format – extension
	».cpio«)
CRL	Certificate Revocation List (list of revoked certificates)
CSV	Comma Separated Value (text file format— extension
	».csv«)
DDR	Double data rate (SDRAM memory type)
DLL	Dynamic-link library
DMS	Document Management System
DWG	CAD file format (extension ».dwg«)
ELF	Executable and Linkable Format (Linux, Unix, Mac OS X
	format)
EML	EML format (RFC 822 archive standard — extension
	».eml«)
EPUB	Electronic Publication Format (extension ».epub«)
ERS	Evidence Record Syntax
EXIF	Exchangeable image file format (image metadata format
FB2	FixtionBook format (electronic book format – extension
	».fb2«)
FIPS	Federal Information Processing Standard
FLV	Flash Video file format (Adobe video format – extension
	».flv«)
CD	"" Gigabyte (information unit of 2^30 or roughly 10^9
GB	
	bytes)
GHz	Gigahertz (frequency unit of 10^9 hertz)
GIF	Graphics Interchange Format (image format – extensior ».gif«)
HDF	Hierarchical Data Format
HSM	Hierarchical Storage Management
HTML	HyperText Markup Language
ID	Identifier
IPTC	International Press Telecommunications Council News
-	Feed Format

Abbreviation	Description
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
ISO	International Organization for Standardization
ISDM	Information system for document management
JPEG	Joint Photographic Experts Group format (extension
0. 20	»,jpg«)
KRB5TGS	Kerberos 5 Ticket Granting Service
	(network authentication protocol)
LDAP	•
LUAP	Lightweight Directory Access Protoco
NAAT	(Internet protocol for accessing directory)
MAT	Matlab data format
MB	Megabyte (information unit of 2^20 or roughly 10^6
	bytes)
MBOX	MBox file format (Unix email archive format)
MIDI	Musical Instrument Digital Interface
MIME	Multipurpose Internet Mail Extensions (email
	standard)
MP3	MP3 format (audio format – extension ».mp3«)
MP4	MP4 format (video and audio format – extension ».mp4«
NetCDF	Network Common Data Form formats
OGG	OGG format (open source format — extension ».ogg«)
PE	Portable Executable format (Win library and program
	format)
PDF	Portable Document Format (extension ».pdf«)
PDF/A	
PDF/A	Portable Document Format for archiving electronic
DV007	documents
PKCS7	PCKS #7 Cryptographic Message Syntax Standard
PNG	Portable Network Graphics (image format — extension ».png«)
PSD	Adobe Photoshop file format
PST	Personal Storage Table (email storage format for
	Windows)
RFC	Request for Comments
	(technical and organizational document, specification
	intended for the exchange of opinions on the subject)
RSA	Ronald R ivest, Adi S hamir, Leonard A dleman
NUA	
D 00	(public key encryption algorithm)
RSS	Rich Site Summary / Really Simple Syndication
RTF	Rich Text Format
S/MIME	Secure Multipurpose Internet Mail Extensions (secure MIMF)
SDRAM	Synchronous Dynamic Random-access Memory
SHA	Secure Hash Algorithm (digital fingerprint algorithm)
SIGEN-CA	Slovenian General Certification Authority
	Secure Remote Password revision 6A
SRP-6A	
0.01	(an encryption protocol for secure user authentication)
SSL	Secure Socket Layer (collection of cryptographic
	protocols)
SSO	Single Sign-on
	(user authentication in independent systems)

Abbreviation	Description
TAR	Tape Archive (Unix compression format – extension
	».tar«)
TCP/IP	Transmission Control Protocol / Internet Protocol
	(family of network protocols)
TIFF	Tagged Image File Format
	(document storage format – extension ».tif«)
TLS	Transport Layer Security
TTF	TrueType Font (Microsoft text format – extension ».ttf«)
WAV	Waveform Audio File Format
	(Win audio format – extension ».wav«)
W3C	World Wide Web Consortium
	(organization for the standardization of web techniques)
X.509	ITU-T standard for public key infrastructure use
XML	Extensible Markup Language
	(language for structuring data in the form of a text file)
XMLDSIG	XML Signature
	(specification for XML encoding of electronic signatures)
XSD	XML Schema Definition
	(W3C recommendations for specifying XML document
	structure)
ZIP	ZIP archive file format
	(standard archiving format — extension ».zip«)

Table 2: Definition of abbreviations

Terms used in the text and images of the manual are explained below.

Term	Description
Attribute	The attribute is the basic cell or container of
	metadata.
	It prescribes the rules and framework for the entry,
	maintenance and storage of metadata values
	belonging to an entity.
Document	The document is the basic unit of archived content or
	the IMiS®/ARChive Server, which can store various
	kinds of digital content (e.g. text, images, video).
	Documents are usually located inside folders, but the
	can also be in a class of their own.
Entity	The entity is a container of data and content on the
Lindby	IMiS [®] /ARChive Server. There are three types of entity
	class, folder, and document.
IMiS®/ARChive Server	IMiS®/ARChive Storage Server
	(archive server for document storage)
IMiS [®] /Scan	IMis®/Scan client
	(IMIS [®] application for scanning paper documents)
NAR [®] (Ctopped Coppediat	IMis [®] /Storage Connector interface
IMiS®/Storage Connector	-
	(interface for the transfer of archived objects
	between applications and archive servers)
IMiS [®] /View	IMiS [®] /View client
	(IMiS [®] client for viewing scanned documents)
Linux	Various open source operating systems similar to
	Unix.
Mac OS X	Apple operating system, based on Unix.
Metadata	Metadata represents "information about information
	or "data about data" that is the object of storage.
Microsoft .NET Framework	Microsoft environment for the development of web
	services and other software components.
Microsoft Excel	Standard MS spreadsheet software that can also be
	used to view CSV files.
Class	The class is the basic constituent part of content
	organization on the IMiS®/ARChive Server. Classes
	can store folders or documents, e.g. according to the
	type or the owner of documents stored inside.
Template	The template prescribes the metadata scheme — the
	required and allowed attributes for entity creation.
	Each template contains built-in and predefined syste
	attributes.
Unix	A family of computer operating systems that are
	based on the original Unix OS developed by Bell Labs.
Windows	Microsoft operating system.
Windows Explorer	The Windows file manager application into which the
•	IMiS [®] /Client is integrated.

Table 3: List of terms used in the manual

2 INTRODUCTION

2.1 Features

IMiS[®]/Client is intended for the capture and management of content of electronic origin or content digitalized using scan procedures. The client operates directly with the IMiS[®]/ARChive Server, which ensures secure long-term storage of documents and archived content along with the corresponding metadata.

For simple and intuitive use, the IMiS[®]/Client is integrated into Windows Explorer. To scan content and classify it appropriately, the IMiS[®]/Client must be integrated with a separate application, the IMiS[®]/Scan client.

Content is structured by the classification scheme, which sorts materials according to their subject, authority, activity, and the business and expert functions of corresponding personnel within the company.

Entities follow a hierarchical order (classes, folders, documents), with practically unlimited sub-levels specified according to need. Each entity in the archive has its own unique classification code.

Secure authentication of a local archive user is enabled via the username and password of the user, registered in the external directory, which is synchronized with the archive server via LDAP and/or KRB5TGS. Secure authentication is provided by username and password, along with all the current technological means of protection from unauthorized data access. Content security is ensured through unique identifiers (ID), which are assigned to each entity and document when it is being stored on the IMiS®/ARChive Server. The identifiers are encrypted and prevent unauthorized access, viewing or deletion.

Managing the users' access rights to entities and metadata is a key concept for ensuring the confidentiality and integrity of archived content, along with appropriate availability. Users are limited to accessing those entities; they have been authorized to access according to the security class of the document and the security class level of the user, which are both dictated by the access control list (ACL).

The IMiS[®]/Client provide the verification of electronic signatures and digital certificates for all electronically signed PDF/A, TIFF, XML and EML files, in order to help you ensure the integrity and authenticity of archived content.

The audit log records all instances of server access, along with all the events and changes performed on the server. Throughout its entire life cycle it is impervious to modification and protected from any interventions, whether authorized or not.

One of the most practical functionalities of the electronic archive is searching by metadata or searching the full text of stored content. Users may perform search functions on the complete archive, or on any selected entity.

The IMiS[®]/Client can be connected to many IMiS[®]/ARChive Servers, which facilitates the capture and management of electronic content of several separate organizational units on a single location.

2.2 Tier placement

In the architectural sense, the IMiS[®]/Client's place in the multi-tier architecture is in the Presentation Tier, which normally accommodates archival and document system clients within multi-tiered systems. In the functional sense, it provides users with secure access and operation of electronic content archives supported by an audit trail, along with search functions based on the metadata and full text of stored documents. The IMiS[®]/ARChive Servers belong to the Data and Logic tier of architecture, following the standard model of client-server architecture of the virtual Document Management System (DMS) which consists of:

- On the Data and Logic tier, one or more IMiS[®]/ARChive Servers in cluster or replication mode. These accommodate the system logic that controls access, security and document management processes.
- On the Presentation Tier, archive or document system clients such as the IMiS[®]/Client, browser, and applications for various devices (smartphone, tablet, laptop, desktop). These may optionally control devices used for the capturing and digitizing of physical content.

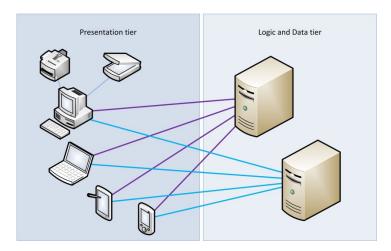


Image 1: Example virtual two-tier document system

2.3 Versioning and numbering

The version of the IMiS[®]/Client can be read from the name of the installation package, which appears according to this scheme:

IMIS.Client.MAJOR.MINOR.RELEASE.ARCHITECURE.TYPE.msi

The scheme consists of the name of the IMiS° module (<code>IMiS.Client</code>) and the following elements:

- MAJOR: marks a major/central version of the IMiS[®] module, which changes least frequently. Changes indicate a new generation of module that introduces major functionality changes compared to the previous version. The identifier has values ranging from 1-n which grow in successive numbers.
- MINOR: marks a minor version of the IMiS[®] module, which changes more frequently. Changes indicate fixes and minor changes to functionalities, and fixes to the generation of module marked by the MAJOR version. The values range from 1-n, are not always successive and revert back to the base value (1) with each change of the MAJOR version.
- RELEASE: marks the release version. Unlike the other value ranges, the IMiS[®] module release date follows a YYMM scheme, where MM marks the release month (range 01-12) and YY marks the final two digits of the year.

Example: the June 2014 IMiS® module release is represented by 1406 in the RELEASE identifier.

• ARCHITECTURE: marks the target processor architecture. Possible values are "x32" for 32-bit Windows systems, and "x64" for 64-bit systems.

• TYPE: optionally marks the type of installation package. The absence of this designation means a full version of the IMiS[®] module is installed. The designation "demo" represents a demo or test version of the IMiS[®]/Client module.

<u>Example</u>: full version of IMiS[®]/Client 9.1.1406 installation package for 64-bit Windows with .NET 4.0 framework:

IMiS.Client.9.1.1406.x64.msi

2.4 Functionalities

The basic functionalities of the IMiS®/Client are as follows:

- Access to any number of IMiS®/ARChive Servers.
- Secured communication with the IMiS®/ARChive Server via SSL/TLS protocol.
- Secure user authentication (SRP-6A, LDAP, KRB5TGS).
- Simple user authentication via Single Sign-on (SSO) mode.
- Access to the records according to a predetermined organization scheme.
- Entry and management of the records metadata according to a predetermined attribute scheme.
- Storage of archive materials of electronic origin, or digitized using the scanner.
- Streaming-mode access to the records.
- Audit log that records every operation performed over the records stored on the archive server (includes date and time, user name, name of computer, type of event, reason for action taken).
- Secure audit log viewing for authorized users.
- Search by metadata and search full text of stored content.
- Printing of records and classification schemes.
- Creation of access reports.
- Creation of reports on the total number of folders or documents within classes, which may be structured according to metadata properties.
- Overview of reports on the export, transfer and import of the records, accessible to authorized users.
- Overview of reports on deleted entities, accessible to authorized users.
- Marking of records as key for holding in the review process or as recommended for retention or deletion.

- Management of retention policies and disposition holds for the records.
- Support for review processes.
- Configuration and administration of IMiS[®]/ARChive Servers.
- Support for IPv4 and IPv6 network communication systems.

3 TECHNICAL DOCUMENTATION

3.1 Client architecture

IMiS[®]/Client is the user component of an electronic and physical records management system. It is integrated into the Windows Explorer and uses its framework to display and enable the management of records. The client's integration with the Explorer lets users access the electronic archive in a simple and intuitive manner and requires no additional archive management applications.

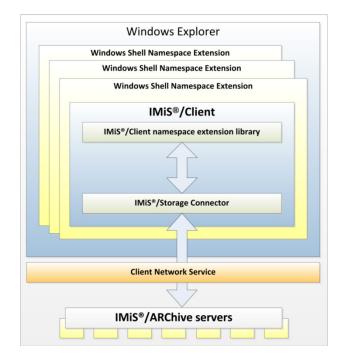


Image 2: Client architecture

The basic components of the IMiS[®]/Client are:

- imisclient.shellex.net.dll; performs integration with the Windows Explorer and the windows shell namespace extension.
- imisclient.net.dll; provides the business logic that governs the archive.

- *imisclient.soap.net.dll*, adds the business logic for archive configuration.
- storageconnector.net.dll; is used by imisclient.net.dll to connect to the IMiS[®]/ARChive Servers.
- converttopdf.dll; a printer driver enabling the conversion of the records into its long-term storage format (PDF/A).

To digitize (scan) physical records, the client uses the separate module IMiS[®]/Scan.

3.2 Format of import / export files

The format of the import, export and data transfer files on the IMiS[®]/ARChive Server is the XML file, structured according to a partly modified Moreq2 scheme.

The differences between XML and Moreq2 schemes are as follows:

- Attributes which are required (mandatory) in the Moreq2 scheme and are not supported by the servers change from required to optional.
- All attributed in the "Custom" part of the XML scheme are newly added.

Moreq2 documentation is thus only a supplemental explanation of the attributes in the data transfer server scheme. Various types of entities (class, folder, document) are each covered by their separate scheme.

Since the schemes are derived from the Moreq2 standard, the following terminology is used:

ltem type	Moreq2
Class	Class
Folder	Folder
Item inside folder	Sub-File
Document	Record

Table 4: Terminology explanation

The description of XML tags uses XPath notation for a clearer overview.

<u>Example</u>:

<?xml version="1.0"encoding="utf-8"?> <Class xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance xmlns="http://www.dlm-network.org/moreq2/1.04.01"> <Description xmlns=""> <abstract /> <classification> <classification_code>08</classification_code> <fully_qualified_classification_code>08</fully_qualified_classification_code> </classification> <place /> <title>Balance sheet Q3 2016 </title>

Image 3: XPath notation text example

In the above example, the path to a full classification code in XPath notation would be shown by the following description:

/Class/classification/fully_qualified_classification_code.

3.2.1 File structure

Each entity is contained by its own XML file. The filename must be in the following format: [class|file|sub-file|record]_nnn.xml, where nnn is the sequence number.

The exported audit log file appears in the format audit_nnn.xml (the sequence number is identical to the sequence number of the entity). When importing data, it is important for all files of a given entity to be located in the same directory as the entity file.

The names of remaining files are contained in corresponding XML tags (<u>see chapter 3.2.2 List</u> of XML tags and their meaning).

<u>Example</u>: When exporting a class, the file containing the class is named class_1.xml, and the audit log file for the class is named audit_1.xml.

3.2.2 List of XML tags and their meaning

The following section lists the supported tags, along with references to server documentation of the IMiS[®]/ARChive Server. The meaning of XML tags on the server and their reference to the Moreq2 code is presented in more detail. Every XML document begins with the root node, which describes the type (class, folder, sub-folder, document). Since the scheme is derived from the Moreq2 scheme, it uses the Moreq2 terminology (Class, File, Sub-File, Record) which is explained in table 4 found above.

For better clarity, the name of the root node in the presentation below is swapped with »<entity_type>«. In case the user is interested in an entity whose type is class, user can replace »/<entity_type>« with »/Class« and only view tags that use »Class: YES«.

/<entity_type>

	Required:	YES		Number:		1	
Definition:	Root node						
Use:	Class: YES	Folder: YE	S	Sub-File:YE	S	Record:YES	S
Commentary:	Uses entity types	Uses entity types according to MOREQ2 standard (Class, File, Sub-File, Record					
XMLSchema type:	complexType	Reference:	/		MORE	Q2 code:	/

/<entity_type>/Description/abstract/description

	Required:	NO		Number:		1			
Definition:	Entity description	Entity description							
Use:	Class: YES	Folder: \	′ES	Sub-File:Y	ES	Record:NO	C		
Commentary:	Optional short description of the entity. This attribute has no influence on the								
	business logic of t	business logic of the server during operations with entities and is merely an							
	information carrie	er.							
XMLSchema	String Re	ference:	erence: sys:Description		MORE	Q2 code:	M047		
type:									

/<entity_type>/Description/abstract/keyword

	Required:	NO		Number:		Multiple			
Definition:	Keyword	·							
Use:	Class: YES	Folder: `	YES	Sub-File:	′ES	Record:Y	ES		
Commentary:	Optional key	ywords that de	efine the en	tity. This atl	tribute h	ias no influe	ence on the		
	business log	business logic of the server during operations with entities and is merely an							
	information	information carrier.							
XMLSchema type:	String	Reference:	sys:Keywo	ords	MORE	Q2 code:	M004		

/<entity_type>/Description/abstract/classification/classification_code

	Required:	YES		Number:		1			
Definition:	Own classifica	Own classification code							
Use:	Class: YES	Class: YES Folder: YES Sub-File:YES Record:YES							
Commentary:		The own classification code is unique among all entities that are subordinate (child) to the same entity.							
XMLSchema type:	String	Reference:	Classifica	tion code	MORE	Q2 code:	M011		

/<entity_type>/Description/abstract/classification/fully_qualified_classification_code

	Required:	YES		Number:		1		
Definition:	Full classification	ull classification code						
Use:	Class: YES	Class: YESFolder: YESSub-File:YESRecord:YES						
Commentary:	The full classifica	ation code is u	nique for tl	ne entire arcl	hive and	consists of th	ne full	
	classification co	classification code of the parent entity, and the entity's own classification code.						
XMLSchema type:	String	Reference:	Classifica	tion codes	MORE	Q2 code:	M012	

/<entity_type>/Description/copy_recipient/e_mail_address

	Required:	YES		Number:		Multiple				
Definition:	Mail address of em	Mail address of email copy recipient								
Use:	Class: NO	Folder:	10	Sub-File:NC)	Record:YE	S			
Commentary:	Values represent v	Values represent valid email addresses of email copy recipients. They are								
	forwarded by the r	forwarded by the messaging client, which usually acquires them from the								
	message itself, tho	ugh the pre	cision of th	e information	depend	s on the clier	nt.			
	Values represent t	he values o	fattributes	»cc« and »bc	c« of the	e message				
	according to RFC a	according to RFC 2822 specification.								
XMLSchema type:	String Re	ference:	eml:ToCC	, eml:ToBCC	MORE	Q2 code:	M185			

/<entity_type>/Description/copy_recipient/name

	Required:	YES		Number:		Multiple			
Definition:	Name of email	Name of email copy recipient							
Use:	Class: NO	Folder:	NO	Sub-File:N	D	Record:YES	S		
Commentary:	Values represent valid names of email copy recipients. They are forwarded by the								
	messaging clie	nt, which usua	Illy acquires t	them from th	ie messa	ge itself, thou	ugh the		
	precision of the	e information (depends on t	he client. Val	ues repr	esent the val	ues of		
	attributes »cc«	attributes »cc« and »bcc« of the message according to RFC 2822 specification.							
XMLSchema type:	String R	Reference:	eml:ToCC, e	ml:ToBCC	MORE	22 code:	M067		

/<entity_type>/Description/date

	Required:	NO		Number:		1			
Definition:	Message date								
Use:	Class: NO	Folder: N	0	Sub-File:N	כ	Record:YES	S		
Commentary:	The metadat	The metadata is acquired from the message itself or entered when adding the							
	message to t	the document s	/stem. It is	used only in (case of e	mail message	es and		
	is filled out w	is filled out with the »sent« date.							
XMLSchema type:	DateTime	Reference:	eml:Date		MORE	Q2 code:	M065		

/<entity_type>/Description/external_identifier/external_system_reference

	Required:	NO		Number:		1			
Definition:	Unique messag	e identifier							
Use:	Class: NO	Folder	: NO	Sub-File:N	0	Record:YE	S		
Commentary:	This value repre	This value represents the unique external identifier of the email message,							
	assigned by the messaging server upon delivery. The value is forwarded by the								
	messaging clier	nt, which usu	ally acquires	it from the r	nessage	itself, thoug	h the		
	precision of the	e information	depends on	the client. Va	alues rep	resent the v	alues of		
	the attribute »r	message-id« (of the messa	ge according	g to RFC	2822 specif	ication.		
XMLSchema	String Reference eml:Messageld MOREQ2 code: M195								
type:									

/<entity_type>/Description/place/current_location

	Required:	NO		Number:		1				
Definition:	Current location	Current location of physical records								
Use:	Class: NO	Class: NOFolder: YESSub-File:YESRecord:YES								
Commentary:	The value repr	The value represents a description of the current location of physical records,								
	when this is no	when this is not a home location or when physical records is checked out or								
	entrusted to a	entrusted to a third party for storage. Enter data that describes the external								
	location of phy	sical records as	s precisely a	as possible (a	iddress, i	room, cabinet	t,			
	folder). At th	e same time, m	ake the app	propriate mo	dification	of the attrib	ute			
	»prm:Status« i	»prm:Status« into »CheckedOut«.								
XMLSchema type:	String	ing Reference: prm:CurrentLocation MOREQ2 code: MO8								
							6			

/<entity_type>/Description/place/home_location

	Required:	NO		Number:		1				
Definition:	Home location	Home location of physical records								
Use:	Class: NO	Class: NOFolder: YESSub-File: YESRecord: YES								
Commentary:	This value represents a description of the home location of physical records.									
	Enter data tha	Enter data that precisely describes the in-house location where the physical								
	records is bein	ıg stored (addr	ess, room,	cabinet, folde	er, file)					
XMLSchema	String	Reference:	prm:Hom	eLocation	MORE	Q2 code:	M122			
type:										

/<entity_type>/Description/recipient/e_mail_address

	Required:	NO	ſ	Number:		Multiple			
Definition:	Email address	of email recipie	nt						
Use:	Class: NO	Folder: N	NO 8	Sub-File:NO		Record:YE	S		
Commentary:	Values represe	Values represent the valid email addresses of email recipients. They are							
	forwarded by t	forwarded by the messaging client, which usually acquires them from the							
	message itself	, though the pro	ecision of the	e informatior	n depend	ls on the cli	ent.		
	Values represe	ent the values c	of attributes >	»to« of the m	nessage	according t	to RFC		
	2822 specifica	ation.							
XMLSchema	String	String Reference: eml:To MOREQ2 code: M186							
type:									

/<entity_type>/Description/recipient/name

	Required:	NO		Number:		Multiple			
Definition:	Name of email	recipient							
Use:	Class: NO	Class: NOFolder: NOSub-File:NORecord:YES							
Commentary:	Values represe	Values represent valid names of email recipients. They are forwarded by the							
	messaging clie	nt, which usuall	/ acquires t	hem from the	e messa	ge itself, thou	ugh the		
	precision of the	e information de	pends on tł	ne client. Valu	ies repr	esent the val	ues of		
	the attribute »to« of the message according to RFC 2822 specification.								
XMLSchema type:	String	Reference:	eml:To		MORE	22 code:	M066		

/<entity_type>/Description/sender/e_mail_address

	Required:	NO	Numbe	r:	Multiple					
Definition:	Email address c	Email address of email sender								
Use:	Class: NO	Folder: N	IO Sub-Fil	e:NO	Record:YES	S				
Commentary:	This value represents a valid email address of the email sender. It is forwarded by									
	the messaging	client, which us	ually acquires it fror	n the messa	age itself, thou	ugh the				
	precision of the	information de	pends on the client.	The value re	epresents the	e value				
	of the attribute	of the attribute »from« of the message according to RFC 2822 specification.								
XMLSchema type:	String	Reference:	eml:From	MORE	Q2 code:	M187				

/<entity_type>/Description/sender/name

	Required:	NO	Numb	er:	Multiple						
Definition:	Name of the ema	Name of the email sender									
Use:	Class: NO	Class: NOFolder: NOSub-File:NORecord: YES									
Commentary:	messaging client precision of the i	This value represents the valid name of the email sender. It is forwarded by the messaging client, which usually acquires it from the message itself, though the precision of the information depends on the client. The value represents the value of the attribute »from« of the message according to RFC 2822 specification.									
XMLSchema	String R	Reference:eml:FromMOREQ2 code:M075									
type:											

/<entity_type>/Description/title

	Required:		YES		Number:		1	
Definition:	Title of the en	tity						
Use:	Class: YES		Folder: Y	′ES	Sub-File:Y	ES	Record:YE	S
Commentary:	The mandator	ry title	e of the en	tity being c	lescribed.			
XMLSchema	String	Refe	erence:	sys:Title		MORE	Q2 code:	M003
type:								

/<entity_type>/Event_history/abstract/reclassification_reason

	Required:	NO		Number:		1	
Definition:	Commentary s	ommentary stating the reason for moving (reclassifying) an entity					
Use:	Class: YES	Folder: Y	′ES	Sub-File:YES		Record:YES	
Commentary:							
XMLSchema type:	String	Reference:	sys:MoveF	Reason	MORE	32 code:	M021

/<entity_type>/Event_history/date/checked_in

	Required:	NO	N	umber:	1					
Definition:	Date and time	ate and time of change of attribute "prm:Status" to "CheckedIn"								
Use:	Class: NO	ass: NO Folder: YES Sub-File:YES Record:YES								
Commentary:	The value repr	The value represents the date and time when the attribute »prm:Status« of the								
	entity in quest	ion received the	e value »Checke	edln«.						
XMLSchema type:	dateTime	Reference:	prm:Status	MOREQ2 cod	e:	M093				

/<entity_type>/Event_history/date/checked_out

	Required:	NO	Nu	mber:	1						
Definition:	Date and time	ate and time of change of attribute »prm:Status« to »CheckedOut«									
Use:	Class: NO	lass: NO Folder: YES Sub-File:YES Record:YES									
Commentary:	The value repr	resents the da	te and time whe	en the attribute ›	prm:St	atus« of the					
	entity in quest	tion received t	ne value »Check	edOut«.							
XMLSchema type:	dateTime I	Reference:	prm:Status	MOREQ2 cod	e:	M094					

/<entity_type>/Event_history/date/closed

	Required:	NO		Number:	1						
Definition:	Date and tim	ate and time of change of attribute »sys:Status« to »Closed«									
Use:	Class: YES	lass: YESFolder: YESSub-File: YESRecord: YES									
Commentary:	The value rep	presents the da	te and time v	when the attribute	»sys:Sta	atus« of the					
	entity in ques	stion received t	he value »Clo	sed«.							
XMLSchema type:	dateTime	Reference:	sys:Closed MOREQ2 cod		de:	M051					

/<entity_type>/Event_history/date/created

	Required:		YES		Number:		1	
Definition:	Date and tim	ate and time of the entity's creation						
Use:	Class: YES	Class: YES Folder: YES				ile:YES	Reco	rd:YES
Commentary:	The value rep	orese	nts the da	te and time	e when	the entity wa	s creat	ed.
XMLSchema type:	dateTime	Refe	erence: sys:Creat		ted MOREQ2 co		ode:	M048

/<entity_type>/Event_history/date/opened

	Required:	YES		Number:	1						
Definition:	Date and time	Date and time of change of attribute »sys:Status« to »Opened«									
Use:	Class: YES	Class: YES Folder: YES Sub-File: YES Record: YES									
Commentary:		tion received t			tribute »sys:Statu <i>chapter 4.3.1 Gen</i>						
XMLSchema type:	dateTime I	Reference:	sys:Op	ened M	OREQ2 code:	M050					

/<entity_type>/Event_plan/date/return

	Required:	NO	Number:		r:	1						
Definition:	Return date and	Return date and time of checked out physical record										
Use:	Class: NO	Class: NOFolder: YESSub-File: YESRecord: YES										
Commentary:	This value repression storage location or transferred t	n. It is specifi	ed/changed	l in case	physical reco	ord is chec						
XMLSchema type:	dateTime R	eference:	prm:Retu	prm:ReturnDue MOREQ2 code:								

/<entity_type>/Event_plan/status/permanent

	Required:	YES		Number:		1						
Definition:	States this entit	States this entity should not be deleted										
Use:	Class: NO	Class: NOFolder: YESSub-File:YESRecord: YES										
Commentary:	This value states the entity should not be deleted, neither through an admin											
	request nor in th	ie review pr	ocess. The	value is r	nerely a war	ning, and tl	he					
	administrator ca	n choose to	disregard	it at thei	r own discre	tion. The v	alue					
	»sys:Significance	»sys:Significance« of the coded entity is »Permanent« or »Vital«.										
XMLSchema type:	Boolean Ret	ference:	sys:Signifi	cance	MOREQ2	code:	M031					

/<entity_type>/ldentity/system_identifier

	Required:		YES		Number:		1		
Definition:	Unique syste	Inique system identifier							
Use:	Class: YES	lass: YESFolder: YESSub-File:YESRecord:YES							
Commentary:	Assigned by	the IN	MiS [®] /ARCh	ive Server.					
XMLSchema type:	String	Refe	Reference: Internal entity MOREQ2 code: MO						
				identifier					

/<entity_type>/Relation/agent/custodian

	Required:	NO	Nu	mber:	1							
Definition:	States the cur	States the current custodian of physical record										
Use:	Class: NO	Class: NO Folder: YES Sub-File:YES Record:YES										
Commentary:	The value repr	The value represents the identity of the current custodian of physical record.										
	When record is	s stored at a l	nome location (v	value of the attrib	oute »prm:8	Status« is						
	»CheckedIn«), t	his is the per	son safekeeping	, the physical rec	ord. When	it is						
	stored remote	ly (value of th	e attribute »prn	n:Status« is »Che	ckedOut«),	it is the						
	outside persor	outside person who was entrusted with safekeeping the checked out record.										
XMLSchema type:	String R	leference:	prm:Custodia	n MOREQ2 (code:	M002						

/<entity_type>/Relation/agent/owner

	Required:	YES		Numbe	r:	1					
Definition:	Person who is	Person who is the current owner of the entity									
Use:	Class: YES	Iass: YES Folder: YES Sub-File:YES Record: YES									
Commentary:	The value rep	resents the dir	rectory sub	ject (use	r or group)	the entity	belongs to				
	(the owner of	the entity).									
XMLSchema type:	String	Reference:	sys:Owne	r	MOREQ2	code:	M002				

/<entity_type>/Relation/is_child_of

	Required:	YES		Number:		1		
Definition:	Full classificat	Ill classification code of the parent entity						
Use:	Class: YES	Folder:	YES	Sub-File:YES		Record:	YES	
Commentary:								
XMLSchema type:	String	Reference:	Classifica	tion code	MOREG	2 code:	M057	

/<entity_type>/Relation/retention_and_disposition_schedule

	Required:	YES		Number:								
Definition:	Unique syste	Unique system identifier of the retention policy										
Use:	Class: YES	Class: YES Folder: YES Sub-File:YES Document:Conditionally										
Commentary:		A link to the retention policy is required for the class, folder and document if it is classified directly under the class.										
XMLSchema	String	Reference:	ference:Entity bindsMOREQ2 code:MO25									
type:												

/<entity_type>/Relation/disposal_hold

	Required: NO			Number:		Multiple		
Definition:	Unique syste	que system identifier of the disposition hold						
Use:	Class: YES	Class: YES Folder: YES			Sub-File:Y	ES	Record:YES	
Commentary:								
XMLSchema type:	String	Refe	ference: Entity		ıds MO		Q2 code:	M032

/<entity_type>/Use/status/active

	Required:	YES		Number:		1			
Definition:	Entity is acti	Entity is active							
Use:	Class: YES	Folder: \	Folder: YES		NO	Record:NO			
Commentary:	»true« when	the attribute »s	sys:Status«	of the enti	ty in quest	ion has the	value		
	»Opened« (<u>see chapter 4.3.1 General system attributes</u>).								
XMLSchema type:	Boolean	Reference:	sys:Statu	S	MOREQ2	code:	M019		

/<entity_type>/Use/status/physical

	Required:		NO		Number	:	1	
Definition:	Physical con	itent 1	tag					
Use:	Class: NO	Class: NO Folder: YES			Sub-File:YES		Record:YES	
Commentary:	»true« when	this i	s physical	record, »fa	lse« or no	value wher	n it is not	
XMLSchema type:	Boolean	Refe	erence:	Physical ı	records	MOREQ2	2 code:	M084
				management				
				attribute	S			

/<entity_type>/Use/status/vital_record

	Required:	YES		Number:		1			
Definition:	States this ent	States this entity is of vital importance to the archive owner							
Use:	Class: NO	Folder: YES		Sub-File:NO		Record:YES			
Commentary:	States that this entity is of vital importance. Deleting it by administrator's request or in the review process is prohibited. The entity may also follow a special data safety regime.								
XMLSchema type:	Boolean R	leference:	sys:Signif	cance	MOREQ2	code:	M005		

/<entity_type>/Use/technical_environment/format

	Required:	NO	Numbe	er:	1			
Definition:	Contains a description of physical record							
Use:	Class: NO	Folder: Y	ES Sub-Fi	le:YES	Record:	YES		
Commentary:	The value repre	esents a desc	ription of the physic	cal record. E	inter a pre	cise		
	description of the phyical record, its format, physical carriers, volume							
XMLSchema type:	String F	Reference:	prm:Description	MOREQ	2 code:	M092		

/<entity_type>/Custom/AuditTrail

	Required:	NO		Number:	1				
Definition:	Name of the audit trail file								
Use:	Class: YES	Folder: Y	ES	Sub-File:YES	Record:	YES			
Commentary:	authenticity, an X contains the nam	The name of the separate file that contains the audit trail. To verify the file's authenticity, an XML attribute »hash_algorithm« of the type »string« which contains the name of the hash algorithm, and the XML attribute »hash« which contains the hash value of the exported audit trail, are added.							
XMLSchema type:	String Ref	erence:	Audit trai	MORE	Q2 code:	/			

/<entity_type>/Custom/Content

	Required:	NO	Number:	1						
Definition:	Container of atta	ached content (fi	les)	1						
Use:	Class: NO	Class: NO Folder: NO Sub-File:NO Record:YES								
Commentary:	The tag »Conten	t« contains the λ	(ML attribute »has	h_algorithm« of »sti	ring« type,					
	which contains t	which contains the name of the hash algorithm and at least one »Value« tag that								
	contains the follo	contains the following attributes:								
	• Hash: h	• Hash: hash value of the exported content.								
	Mime: d	• Mime: data of the type of content.								
	Descript	tion: description	of the content.							
	Accesse	d: time stamp o	f last access to the	e content.						
	• Created	: time stamp of	content creation.							
	Modified	l: time stamp of	last edit of the con	tent.						
	Extension	on: content exte	nsion.							
	Size: siz	e of the content.								
	Each »Value« tag	represents exa	ctly one content (fil	e). The value of the	»Value«					
	tag represents t	tag represents the name of the exported content.								
XMLSchema type:	complexType									

/<entity_type>/Custom/Property

	Required:	NO	Number:	Multiple				
Definition:	Other attributes (names and values)							
Use:	Class: YES	Folder: YES	Sub-File:YES	Record:YES				
Commentary:	List of entity's at	List of entity's attributes along with values that are not part of Moreq2						
	specification. Eac	ch »Property« ta	ng contains exactly o	one »Name« XML tag	g of			
	»string« type, wh	»string« type, which contains the title of the attribute and at least one »Value«						
	XML tag. Each »F	XML tag. Each »Property« tag contains the following XML attributes:						
	• Hash_alg	gorithm: type »s	string«, contains nar	ne of the hash algor	ithm.			
	 Value_dt 	o_type: type »st	ring«, contains nam	e of the attribute ty	pe in the			
	databas	e.						
	 Value_co 	ontent_type: en	umerator that repr	esents the type of tl	he			
	attribute. Possible values are: STRING, STRINGMAX, BINARY.							
XMLSchema type:	complexType	Reference:	Attribute N	/IOREQ2 code:	/			

/<entity_type>/Custom/Property/Value

	Required:	YES	Number	:	Multiple			
Definition:	Value of the attr	Value of the attribute described in tag »/ <entity_type>/Custom/Property/Value«</entity_type>						
Use:	Class: YES	Folder: YES	Sub-File	YES	Record:YES			
Commentary:	When the value	When the value of the »value_content_type« enumerator is STRING, the tag does						
	not contain XML	attributes, and	l the value of t	he attr	ibute is then writt	en in the		
	XML tag.	XML tag.						
	When the value	e of the »value	_content_type	enui	merator is STRIN	IGMAX or		
	BINARY the tag	contains the fol	lowing attribu	tes:				
	• Hash: h	ash value of the	file with the c	ontent	of the attribute.			
	MIME: 0	data regarding t	he type of cor	itent.				
	The value of the	e XML tag cont	tains the nam	ne of tl	he file storing the	attribute		
	content.							
XMLSchema type:	String	Reference:	Attribute	MORE	Q2 code:	/		

/<entity_type>/Custom/TransferredAuditLog

	Required:	NO	Numbe	r:	1			
Definition:	Previously im	Previously imported audit log						
Use:	Class: YES	Folder: YES	Sub-Fil	Sub-File:YES		S		
Commentary:	Content of th	ne attribute »trf:Au	iditLog«. The attr	ibute is crea	ted only upo	n import		
	to the IMiS®/	to the IMiS [®] /ARChive Server.						
XMLSchema type:	String	Reference:	trf:AuditLog	MOREQ2	code:	/		

/<entity_type>/Custom/Evidence

	Required:	NO	Number:	1					
Definition:	Evidence of	entity's authentici	ty	·					
Use:	Class: NO	Folder: YES	Sub-File:YES	Record:YES					
Commentary:	The value re	presents an evide	nce record of the er	ntity's authenticity obtair	ned				
	from the pr	rom the previous ISDM in case of import. In case of export from ISDM, the data							
	is exported	s exported into a metadata scheme and a third ISDM can again import it into							
	the attribut	the attributes of transferred entities. The attribute does not influence the							
	business log	gic of the server, it	serves merely as a	carrier of information.					
	Two attribu	tes are contained:							
	• Has	sh_algorithm: »str	ing« type containing	the name of the hash					
	algo	orithm.							
	• Has	sh: hash value of fi	le with the authentio	city evidence.					
	The value of	the XML tag cont	ains the name of the	e authenticity evidence fil	le.				
XMLSchema type:	String	Reference:	trf:Evidence	MOREQ2 code:	/				

/<entity_type>/Custom/Templateld

	Required:	YES		Number	l	1		
Definition:	Unique template ID							
Use:	Class: YES	Folder: Y	Folder: YESSub-File:YES		Record:YES			
Commentary:	Unique templa	ate identifier or	n the IMiS®	ARChive S	Gerver.			
XMLSchema type:	String F	Reference:	Template	S	MOREQ2	code:	/	

/<entity_type>/Custom/AdditionalMetadata

	Required:	NO	Number:	1				
Definition:	User entered metadata							
Use:	Class: YES	Folder: YES	Sub-File:YES	Record:YES				
Commentary:	User entere	User entered metadata necessary for managing the archive. This data is not						
	prescribed l	by the IMiS®/ARCh	ive Server and is inp	out by the user accord	ding to			
	requiremen	ts. Additional meta	adata is intended for	r export only and is igr	nored in			
	case of impo	ort.						
XMLSchema type:	any R	eference:	ETZ: 3.5.3.8	MOREQ2 code:	/			
			MOREQ2: 5.3.17					

/<entity_type>/Custom/ACL

	Required:	NO	Number:	Multiple
Definition:	List of access rights on the entity (Access Control List)			
Use:	Class: YES	Folder: YES	Sub-File:YES	Record:YES
Commentary:	Every »ACL« tag contains the »User« attribute with a name of a directory entity			
	and one to four sub-tags »Value«, which specify the access rights on the			
	directory entity according to attributes listed here:			
	• type: enumerator of the type of access right (see below).			
	• cr: right to edit access rights list.			
	• cse: right to create new child entities.			
	 da: right to delete the entity. mv: right to move the entity. ra: right to read the entity. 			
	• wa: right to delete the entity.			
	• date_from: date of current access control list validity (start / valid			
	from).			
	• date_to: date of current access control list validity (end / valid to).			
	Description of enumerator values for the type of access right:			
	EXPLICIT_ALLOW: explicit permission.			
	EXPLICIT_DENY: explicit denial.			
	INHERITED_ALLOW: inherited permission.INHERITED_DENY: inherited denial.			
XMLScheme type:	complexType	Reference:	ACL N	1OREQ2 code: /

/RDS/Description/abstract/description

	Required:	NO		Number:		1	
Definition:	Longer descript	nger description of the retention policy or disposition hold.					
Commentary:							
XMLScheme	String Re	ference:	sys:ret:pol:De	tailedDescription	MORE	Q2	M043
type:					code:		

/RDS/Description/mandate

	Required:	NO		Number:		Multiple	
Definition:	Authorizations,	uthorizations, which set the rights of the retention policy.					
Commentary:	Name of the file	lame of the file in the file system which stores the authorization in electronic form.					
	Only the retent	Only the retention policy has authorizations.					
XMLScheme	String Re	ference:	sys:Content		MORE	02	M030
type:					code:		

/RDS/Description/abstract/reason

	Required:	NO		Number:		1		
Definition:	Reason for crea	eason for creating a retention policy or disposition hold.						
Commentary:								
XMLScheme	String Re	ference:	sys:ret:hold:R	easonsys:ret:pol:l	Reason I	MOREQ2	M015	
type:						code:		

/RDS/Description/title

	Required:	YES		Number:		1	
Definition:	Title of the re	e of the retention policy or disposition hold.					
Commentary:							
XMLScheme	String	Reference:	sys:Title		MORE	Q2	M015
type:					code:		

/RDS/Description/title

	Required:	YES		Number:		1	
Definition:	Title of the ret	e of the retention policy or disposition hold.					
Commentary:							
XMLScheme	String R	eference:	sys:Title		MORE	Q2	M015
type:					code:		

/RDS/Identity/system_identifier/disposal_hold

	Required:	YES		Number:		1	
Definition:	Unique system i	ique system identifier of the disposition hold.					
Commentary:	Set by IMiS®/AR	et by IMiS®/ARChive Server.					
XMLScheme	String Ref	ference:	Internal entit	y identifier	MORE	Q2	M137
type:					code:		

/RDS/Event_plan/event_type/disposition_action

	Required:	YES		Number:		1	
Definition:	Default action of process.	of the reter	ition policy in t	he implementation p	hase of	the review	I
Commentary:	entities. • »Perman retention • »Transfe to anoth transfer. • »Review«	ent«: the c n of entities r«: the defa er system a	lefault action o 3. ault action of th and their dispo Ilt action of the	e retention policy is f the retention policy ne retention policy is sition after confirma e retention policy is t	y is the the tra ation of	permanen ansfer of er successful	t ntities
XMLScheme	String Re	ference:	sys:ret:pol:Ac	tion	MORE	Q2	M014
type:					code:		

/RDS/Identity/system_identifier/retention_and_disposition_schedule

	Required:	YES		Number:		1	
Definition:	Unique system i	ique system identifier of the retention policy.					
Commentary:	Set by IMiS®/AR	Bet by IMiS [®] /ARChive Server.					
XMLScheme	String Ref	erence:	Internal entit	y identifier	MORE	02	M008
type:					code:		

/RDS/Use/status/inheritance

	Required:	NO		Number:		1	
Definition:	Specifies whet	ecifies whether the retention policy can be inherited by entities.					
Commentary:	The IMiS®/AR	ne IMiS®/ARChive Server specifies that all retention policies are inherited.					
	The value is alv	The value is always TRUE.					
XMLScheme	String R	eference:	Internal entit	y identifier	MORE	Q2	M197
type:					code:		

Table 5: Lists of XML tags

3.2.3 Format of the additional metadata export file

The additional (user entered) metadata export file is used for the particular requirements of the archiving process. Upon export, each entity may optionally be added additional metadata which is not part of the arheived entity's own metadata.

The additional metadata is prepared by the archivist, using a premade XML file.

This metadata is not within the framework of the client or server's business logic.

The format of the file is prescribed with the following XSD scheme:

```
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema targetNamespace="http://www.dlm-network.org/moreq2/1.04.01"
xmlns:xs="http://www.w3.org/2001/XMLSchema"
xmlns:moreq2="http://www.dlm-network.org/moreq2/1.04.01"
elementFormDefault="unqualified"attributeFormDefault="unqualified" version="1.04.01">
   <xs:element name="AdditionalMetadataRoot">
      <xs:complexType>
         <xs:sequence>
            <xs:element name="Entity" minOccurs="0" maxOccurs="unbounded">
               <xs:complexType>
                  <xs:sequence>
                     <xs:any processContents="skip" maxOccurs="unbounded"/>
                  </xs:sequence>
                  <xs:attribute name="classification_code" type="xs:string"/>
               </xs:complexType>
            </xs:element>
         </xs:sequence>
      </xs:complexType>
   </xs:element>
</xs:schema>
```

Image 4: Example XSD scheme

For each entity to be added user metadata during export, the archivist enters, in an XML file under the root node with the name »AdditionalMetadataRoot« (prescribed by the Moreq2 scheme), an »Entity« node with the attribute of the entity's classification code. During export, the content of this node is copied into the export XML file of the entity.

```
<moreq2:AdditionalMetadataRoot xmIns:moreq2="http://www.dlm-network.org/moreq2/1.04.01">
    <Entity classification_code="03.01">
        <!-- add custom XML node entries -->
        <A>Metadata A</A>
    </Entity>
    <Entity classification_code="03.01/00001">
        ...
        </Entity classification_code="03.01/00001">
        ...
        </Entity>
    </moreq2:AdditionalMetadataRoot>
        Image 5: Example additional metadata export file
```

3.3 Format of the confirmation file during transfer

The format of the confirmation file is a text file containing comma separated values;

abbreviation: CSV.

Each record contains the following values:

- Classification code of the transferred entity.
- Confirmation value (»true« if the entity has been successfully transferred to a third archive system).
- Reference to the transferred entity in the third archive system.

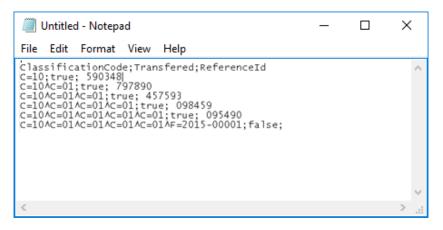


Image 6: Example of a confirmation file after transfer

4 USER MANUAL

4.1 Interface description

The user interface of the IMiS[®]/Client is integrated into the MS Windows Explorer. Therefore, managing the archives and entities of the electronic archive is similar to managing regular folders and files, which makes use simple and familiar. The user interface consists of three main windows described below.

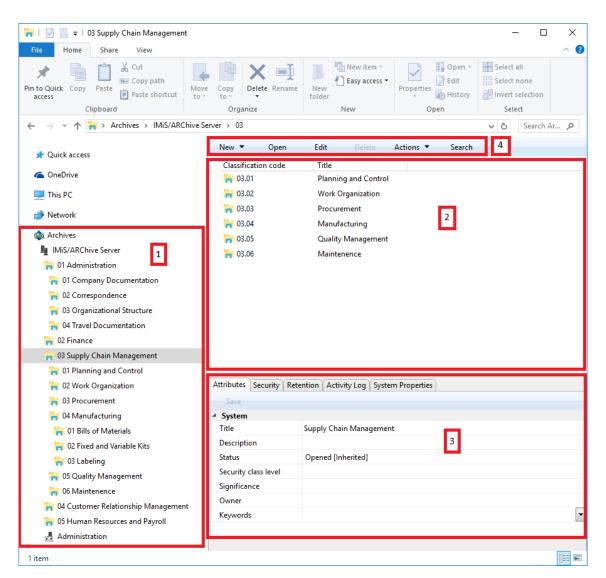


Image 7: User interface of the IMiS®/Client

The left view (number 1 in the image above) shows the »Archives« folder.

This folder contains archives which represent individual IMiS[®]/ARChive Servers. Under every archive are shown the root classes according to the classification scheme, as well as a special »Administration« folder that contains predetermined system folders.

Inside each root class, there are classes or folders that are contained by the root class. More information on the left view is found in <u>chapter 4.1.1. Classification scheme</u>.

The top right view (number 2 in the image above) shows a list of entities contained by the archive, class or folder currently selected in the left view. An archive only contains classes, whereas a class or folder can contain sub-folders or documents. The contained entities are shown under a bar displaying their common attributes: »Classification code« and »Title«. Using the common attribute bar, the user can sort the display order of entities according to the preferred attribute.

More information on the top right view is found in *<u>chapter 4.1.2. List of entities</u>*.

The bottom right view (number 3 in the image above) shows tabs that display various kinds of data about the selected entity. When browsing publically accessible entity information, users can generally view the publically accessible metadata of the entity in the »Attributes« tab, a display of the user's effective permissions for this entity in the »Security« tab, and other publically accessible system metadata in the »System properties« tab.

Users with appropriate access rights may also access the selected retention policies and disposition holds in the »Retention« tab and audit log of the selected entity in the »Activity Log« tab. When viewing data of an open entity, users may also view other types of metadata: in case of records this includes access logs, and for users with appropriate access rights also the possibility to edit the Access Control List (ACL) of the entity and the corresponding metadata. More information on the bottom right view is available in *chapter 4.1.3. Entity information*.

The command bar of the Windows Explorer (number 4 in the image above) shows commands or actions next to the »Organize« system button. These depend on the type and status of the chosen entity in the classification scheme, or the chosen entity in the entity list, and also on the rights and roles of the user. For example, a selected »Archives« folder offers commands for adding new archives, whereas a selected archive offers commands for logging in or out of the archive, create root classes, and search the archive.

When selecting an entity, users are offered additional specialized actions for entities in addition to the »create«, »open« and »edit« commands. More information on the command bar is available in <u>chapter 4.1.4. The command bar</u>.

4.1.1 Classification scheme

Upon installation, the IMiS[®]/Client is integrated into the Windows Explorer. According to chosen user preferences during configuration, the left view of the Window Explorer shows the »Archives« folder in the »Desktop«, the »Computer«, or the »Network« folder. The »Archives« folder is the entry point of the IMiS[®]/Client operation.

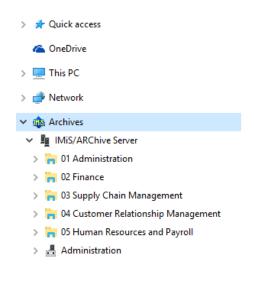


Image 8: Display of the Archives folder

Individual archives are found under the »Archives« folder. By selecting an archive and logging in via the dialog box, the user logs into the archive. A new archive is added by using the »Add archive« command in the popup menu of the »Archives« folder.

An archive is removed by using the »Remove archive« command in the popup menu of the selected archive.

Following successful login into an archive, root classes of the selected archive appear underneath the archive together with the special »Administration« folder containing system folders.

🗸 🦚 Archives	
 IMiS/ARChive Server 	
> 🐂 01 Administration	
> 🐂 02 Finance	
> 🀂 03 Supply Chain Management	
> 🀂 04 Customer Relationship Managem	ient
> 🀂 05 Human Resources and Payroll	
> 📇 Administration	

Image 9: Display of an archive's root classes and the Administration system folder

By navigating the classes and folders, the tree view of classes and folders expands according to the classification scheme.

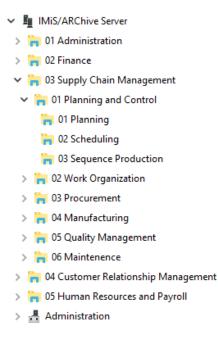


Image 10: Expanded tree view of the classification scheme

<u>Note</u>: By clicking the arrow in front of the selected class, the user opens a list of contained classes. A contained folder can only be selected once the user has double-clicked it in the list of contained entities, in the top right view of the Windows Explorer.

The IMiS[®]/ARChive Server does not limit the number of archive root classes, or the number of contained sub-classes, folders, or documents in an individual class or folder.

By configuring the server, though, limits are set for the number of hierarchy levels of classes and folders in the classification scheme.

The default server settings specify a hierarchy with a maximum of six (6) hierarchy levels for the class, and a maximum of four (4) hierarchy levels for the folder.

<u>Tip</u>: To preserve the clarity of the classification scheme, and due to limitations in the moving of entities, users are strongly recommended NOT to place documents directly into classes but always into appropriate folders.

4.1.2 List of entities

The list of entities (classes, folders or documents) contained by the selected class or folder is located in the top right view of Windows Explorer. The contained entities are displayed under a bar that shows the names of common entity attributes.

<u>*Tip:*</u> The user may also access an entity in the list of contained entities by pressing the Enter key.

The display order of attributes can be managed by moving the selected columns to the chosen spot. By selecting the column of the corresponding attribute, displayed entities are ordered according to the selected attribute.

Classification code	Title	Description	Status
🀂 01	Administration	Company documentation and correspondence	Opened [Inherited]
in 12	Finance	Account payable, Accounts receiveable, Banking	Opened [Inherited]
i 0 3	Supply Chain Management	Supply planning and scheduling records	Opened [Inherited]
🍋 04	Customer Relationship Management	Customer and Business partner records	Opened [Inherited
i 05	Human Resources and Payroll	Employee records	Opened [Inherited]
60 🦷	Projects	IMiS projects	Opened [Inherited]

Image 11: List of entities contained by the selected entity

The user can add or remove attributes via the popup menu on the line of displayed attributes. The popup menu offers all the possible template attributes for the creation of sub-entities inside the selected entity. The displayed attributes are marked by a check mark. The attribute »Classification code« is always present and cannot be removed from the list. The settings of attributes shown only apply to the currently displayed entity and are not inherited.

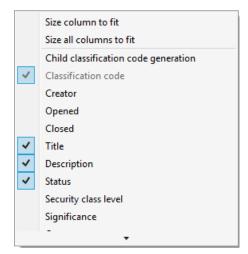


Image 12: Popup menu over a line of displayed attributes

4.1.3 Entity information

Information about the selected entity is found in tabs under the list of entities in the bottom right view of Windows Explorer. Previewing the selected entity will display those tabs and content which are publically accessible to the user. When a selected entity is open in the reading or editing mode, the tabs are adapted according to the effective permissions of the user.

In general, data on the selected entity is classified into the following tabs:

- »Attributes« tab: contains system metadata that may be edited, and the predefined metadata of the entity. This tab is always shown, during preview as well as in the reading or editing mode.
- »Content« tab: contains a list of the content of the entity. This tab is only shown when the entity is open in the reading or editing mode.
- »Physical Content« tab: contains the metadata of physical record that belongs to the entity. This tab is only shown when the entity is open in the reading or editing mode.
- »Security« tab: contains an overview of the effective permissions of the user on this entity. The content of the tab changes when the entity is opened in the editing mode and the user has the effective access right »Change permissions«.
 In this case, the tab shows groups or users with their access rights on this entity specified, and a table of access rights where effective permissions may be edited for each selected group or user.
- »Retention« tab: contains the settings for the selected retention periods and the selected disposition holds. The tab is shown when previewing a selected entity and when the selected entity is open in the reading or editing mode.
- »Activity Log« tab: contains the audit log for the selected entity.
 This tab is always shown, during preview as well as in the reading or editing mode.
- »System Properties« tab: contains general and special system metadata which are readonly. This tab is always shown, during preview as well as in the reading or editing mode.

4.1.3.1 The »Attributes« tab

The »Attributes« tab contains a list of metadata for the selected entity.

The first column shows the names of the metadata types and the second column their values. In the editing mode the fields for editable values change into fields into which the user enters values. When metadata name is written in bold font, this means the metadata is required (mandatory). These values must be entered before you are able to save the entity.

Metadata in the »Attributes« tab is classified into the following groups:

- »System«: contains system metadata that may be modified and is publically accessible (see chapter 4.3.1 General system attributes).
- »Email«: contains email metadata. This group is only available for documents that originate from an email template and are currently opened in the reading or editing mode (see chapter 4.3.6 Email attributes).
- »Custom«; contains custom-entered metadata of the entity. This group is only available for documents which are currently open in reading or editing mode.

Save	
 System 	
Title	IBM Practice Accelerator
Description	Market skills and references
Security class level	Unclassified [Inherited]
Significance	[Inherited]
Owner	Ron Salazar
Keywords	ibm x
 Email 	
Subject	IBM Practice Accelerator
Date	8. 09. 2014 16:55:17
From	"Robert Blatnik" <robert.blatnik@si.ibm.com></robert.blatnik@si.ibm.com>
То	
To CC	"Janusz - Moroz" <janusz.moroz@pl.ibm.com>; "Elena Granina" <elena.granina@ru.ibm.com>; "Vladimir Pastukh" <vladimir.pastukh@ua.ibm.com></vladimir.pastukh@ua.ibm.com></elena.granina@ru.ibm.com></janusz.moroz@pl.ibm.com>
To BCC	
Priority	Normal
Signed	False
Message Id	<of943d9f2b.2331b65f-onc1257d4d.005bf690-c1257d4d.005cf46a@si.ibm.com></of943d9f2b.2331b65f-onc1257d4d.005bf690-c1257d4d.005cf46a@si.ibm.com>

Image 13: View of the »Attributes« tab

The command bar just under the »Attributes« tab has a »Save« button that is activated when metadata is edited. By choosing the »Save« command, changes done to the entity are saved to the archive. If a user modifies the entity but does not save it, a dialog box with an alert prompt appears, where changes may be saved using the »Yes« button or discarded using the »No« button, or the user may go back to editing using the »Cancel« button.

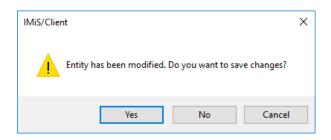


Image 14: Display of the unsaved changes alert prompt

<u>*Tip</u></u>: In case the user does not wish to save any changes on the entity, user can return to the preview by using the »ESC« key and avoid the alert prompt.*</u>

4.1.3.2 The »Content« tab

The »Content« tab lets users browse the content (files) attached to the chosen entity when it is open in the reading or editing mode. Adding and removing content is possible when the entity is open in editing mode.

Save O	pen Add 🔻	Remove		
	Description		Inserted	Modified
💼 Scan.next pro	oject Phase 1.tif		18. 10. 2016 12:22:33	19. 10. 2016 08:26:56
🐞 Scan.next pro	oject Phase 2.tif		19. 10. 2016 10:54:15	19. 10. 2016 10:54:52

Image 15: View of the »Content« tab

The command bar just under the »Content« tab offers the following buttons:

- »Add«: allows you to add content to the selected entity. These can be existing files of the file system, or files scanned using the separate application IMiS[®]/Scan.
 The command is available when the selected entity is open in editing mode.
- »Save«: becomes active when the content of the selected entity is modified, if the entity is open in editing mode (when content is added or deleted). The »Save« command saves changes to the archive. Unsaved changes will be discarded.
- »Open«: opens the selected content in the default application associated with the content type, as it was specified when the content was saved to the archive.
 The command is available when the selected entity is open in reading or editing mode.

Note: a selected content may be opened even if it hasn't been saved yet.

• »Remove«: allows you to remove content from the selected entity. The command is available when the selected entity is open in editing mode.

4.1.3.3 The »Physical Content« tab

The »Physical Content« tab shows users the metadata of physical content corresponding to the selected entity (<u>see chapter 4.3.7 Physical content attributes</u>).

The tab is shown for folders and documents when the selected entity is open in reading or editing mode. Physical content metadata may be entered when the selected entity is open in editing mode.

Save	
dentifier	ID36167
Description	Bulding E, 2nd Floor, Suite 102, Cabinet 3, Shelf 2
Status	CheckedIn
Status changed date	19. 10. 2016 09:32
Home location	Huston, Brodway street 5050
Current location	New York, Smith Avenue 3030
Custodian	James Smith
Return due	31. 10. 2016

Image 16: View of the »Physical Content« tab

The command bar just under the »Physical Content« tab has a »Save« button that is activated when metadata is edited.

By using the »Save« command, changes done to the entity are saved to the archive. Unsaved changes will be discarded.

4.1.3.4 The »Security« tab

The »Security« tab shows:

- The display of the user's effective access rights on the selected entity.
- The overview and editing of the Access Control List (ACL) or the explicit permissions for groups or users on the entity and its metadata.

The tab offers three types of data display for the selected entity:

- Preview mode.
- Reading mode.
- Editing mode.

The preview mode shows the title of the selected entity in the »Entity name« field.

Under this field is the list of »Effective permissions« for the chosen user.

The current effective permissions on the entity are displayed for the current user.

This command also enables seeing the other users' effective access rights on the entity. The access rights also depend on the date and time of the display, since some permissions have a time limit. Permissions marked by a check mark are currently granted to the user.

Attributes	Security	Activity Log	System Properties
Effective	permissior	ıs	
Entity nam	e: Finance	2	
Effective p	ermission	s for Ron Sala	azar
Read			\checkmark
Write			\checkmark
Move			
Delete			
Create ent	ities		
Change pe	ermissions		\checkmark
Change se	curity clas	s	\checkmark
Change st	atus		\checkmark
Change re	tention		\checkmark

Image 17: View of the »Security« tab in preview mode

The list of permissions granted to the user (on the selected entity) consists of the following permissions:

- »Read«: the user has permission to read data on the selected entity (view metadata and content files).
- »Write«: the user has permission to edit entity data (write metadata and add content files).
- »Move«: the user has permission to move the entity within the classification scheme.
- »Delete«: the user has permission to delete entity data (delete metadata and remove content files).
- »Create entities«: the user has permission to create sub-entities inside the selected entity.
- »Change permissions«: the user has permission to change the effective permissions of other users on the selected entity.
- »Change security class«: the user has permission to change the security class of the selected entity.

- »Change status«: the user has the permission to change the status of a selected entity.
- »Change retention«: the user has the permission to read and change the content of »Retention« tab.

In the preview mode, the command bar just under the »Security« tab has the »Effective permissions« button. This command allows the overview of effective permissions granted to the selected user, on the selected entity. By clicking the button, a window appears showing all the users registered on the IMiS[®]/ARChive Server.

The window allows you to search users via the search field. By clicking the »OK« button, the tab will display the list of effective access rights granted to the selected user, on the selected entity.

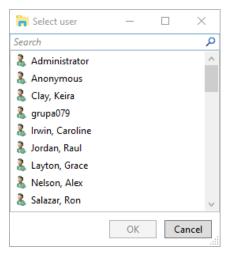


Image 18: User selection window of the »Security« tab in preview mode

In the reading mode display of the selected entity, the content of the »Security« tab changes into an overview of the Access Control List (ACL) for the entity or the selected metadata of the entity. Just under the »Entity name« field, the selection field »Permissions on« appears, which allows the user to choose the entity or metadata governed by the Access Control List. The list of effective permissions for the current user is replaced by the list »Group or user names«. This list contains groups and users that were granted explicit access rights on the selected entity in the Access Control List.

The right side shows the list »Effective permissions for selected user«, which shows the current effective permissions of the selected group or user on the entity.

Attributes Security Retention Acti	vity Log System Properties
Save Edit Add	Remove
Entity name: Employee Records	
Permissions on: Entity •	
Group or user names	Effective permissions for selected user
3 System Administrators	Read 🗸
👗 Clay, Keira	Write 🗸
	Move
	Delete
	Create entities 🗸
	Change permissions
	Change security class
	Change status
	Change retention
Security settings for selected entity	

Image 19: Reading mode display of the »Security« tab

The list of user permissions on the selected metadata of the entity consists of the following access rights:

- »Read«: the user has permission to read the value of the selected metadata of the entity.
- »Write«: the user has permission to edit the value of the selected metadata of the entity.
- »Create«: the user has permission to create the value of the selected metadata of the entity.
- »Delete«: the user has permission to delete the value of the selected metadata of the entity.

In the editing mode display, when the user has the »Change permissions« access right, the command bar just under the »Security« tab allows the command »Edit«. By clicking this button, the user edits the Access Control List (ACL) for the entity or metadata chosen in the field »Permissions on«. On the right, a permissions list appears for the selected user.

By checking the »Allow« column, a user authorized to change permissions can grant explicit permissions to the selected group or user, and by checking the »Deny« column deny them permissions. The validity field containing »Valid from« and »Valid to« values allows an authorized user to set time limits for permissions granted to the selected group or user.

Attributes Security Retention Act	vity Log System Prope	erties		
Save Edit Add	Remove			
Entity name: Employee Records				
Permissions on: Entity				
Group or user names	Permission	Effective	Allow	Deny
28 System Administrators	Read	\checkmark		
👗 Clay, Keira	Write	\checkmark	V	
	Move			
	Delete			
	Create entities	\checkmark	V	
	Change permissions			
	Change security class	;		
	Change status			
	Change retention			
	Valid from		× •	× ×
	Valid to		× •	× ·
Security settings for selected entity	·			

Image 20: View of the »Security« tab in editing mode

In the display of an open entity, the command bar just under the »Security« tab offers the following buttons:

- »Save«: becomes active in case of changes to explicit permissions of the selected group or user, and when groups or users are added or removed. By using the »Save« command, changes to explicit permissions are saved to the server. Unsaved changes will be discarded.
- »Edit«: enables the editing of the Access Control List for the chosen group or user selected from the list »Group or user names« and the setting of their explicit permissions on the entity or metadata selected in the »Permissions on« field.
- »Add«: enables the adding of users or groups of users registered on the IMiS[®]/ARChive Server into the »Group or user names« list and the setting of their explicit permissions on the chosen entity.
- »Remove«: enables the removal of selected groups or users from the »Group or user names« list and the revoking of their explicit permissions on the selected entity.

4.1.3.5 The »Retention« tab

The »Retention« tab is intended for reviewing and editing retention periods and disposition holds for a selected entity, which are required in review processes.

The tab is available for review to all users with the »Review« role in all view modes for the data of the selected entity. By selecting the »Context« command in the command bar under the »Retention« tab, the user sets the view context, which is either a list of retention periods or a list of disposition holds for the selected entity.

Attribut	es Security Retention A	ctivity Log System Properties					
Sav	e Edit Add	Remove Context [Re	tention po	licies] 🔻			
Name	Description	Reason	Effective	Scope	Classes	Folders	Documents
10 years	Hramba za 10 let po zaprtju	Dispose entities after 10 years		Deny 🗸			~
5 years	Hramba za 5 let po zaprtju.	Dispose entities after 5 years	\checkmark	Allow 🗸	\checkmark	\checkmark	~
Retentio	n settings for selected entity						

Image 21: Display of retention periods in the »Retention« tab in reading mode

In the event that the user has the »Change retention« access right, the Edit command is enabled in the command bar under the »Retention« tab.

By clicking on the command the user enables the editing of retention periods and disposition holds for the selected entity.

Attribut	es Security	Retention	Activity Log	System Properties						
Sav	e Edit	Add	Remo	ve Context [Re	tention po	licies] 🔻				
Name	Description		Reason		Effective	Scope	Classes	Folders	Documents	
10 years	Hramba za 10	let po zaprt	ju Dispose en	tities after 10 years		Deny Y			\checkmark	
5 years	Hramba za 5 le	et po zaprtju	u. Dispose en	tities after 5 years	\checkmark	Allow ~	\checkmark	\checkmark	\checkmark	
Retentio	on settings for s	elected ent	ity							

Image 22: Display of retention periods in the »Retention« tab in editing mode

In the tab under the »Retention policies« context a list of retention periods is shown for the selected entity. Among them are inherited retention periods, which are colored gray and cannot be edited, and explicit policies, which can be edited.

Each retention period contains the following data and fields:

- »Name«: represents the name of the retention period.
- »Description«: contains a description of the retention period.
- »Reason«: contains the default reason which is used in the review phase of the review process.
- »Effective«: shows the effectiveness of the retention period on the selected entity.

- »Scope«: sets the permission or prevention of operation of the retention period.
- »Classes«: the retention period applies to all classes under and including the selected entity.
- »Folders«: the retention period applies to all folders under and including the selected entity.
- »Documents«: the retention period applies to all documents under the selected entity.

In the command bar under the »Retention« tab in the »Retention policies« context the following commands are located:

• »Save«: it is activated in the event of changes to explicit retention periods, when adding or removing explicit retention periods.

The »Save« command saves the changes to the archive, which are otherwise discarded.

- »Edit«: enables the editing of the list of explicit retention periods on the selected entity.
- »Add«: enables the adding of an explicit retention period to the selected entity from the list of available retention periods on IMiS[®]/ARChive Server.
- »Remove«: enables the removal of selected explicit retention periods on the selected entity.

In the tab a list of disposition holds is shown for the selected entity in the »Disposition holds« context. Each of them contains the following data and fields:

- »Name«: represents the name of the disposition hold.
- »Description«: contains a description of the disposition hold.
- »Reason«: contains the default reason which is used in the decision-making phase of the review process.

Attribut	tes Security Reten	ntion Activity Log System Properties
Sav	e Edit	Add Remove Context [Disposition holds]
Name	Description	Reason
Hold	Disposition hold	Dispose is on hold
Retentio	on settings for select	ed entity

Image 23: Display of disposition holds in the »Retention« tab in reading mode

In the command bar under the »Retention« tab in the »Disposition holds« context the following commands are located:

• »Save«: it is activated in the event of changes to explicit disposition holds, or when adding or removing explicit disposition holds.

The »Save« command saves the changes to the archive, which are otherwise discarded.

- »Edit«: enables the editing of the list of explicit disposition holds on the selected entity.
- »Add«: enables the adding of an explicit disposition hold to the selected entity from the list of available disposition holds on IMiS[®]/ARChive Server.
- »Remove«: enables the removal of the selected explicit disposition holds on the selected entity.

4.1.3.6 The »Activity Log« tab

The »Activity Log« tab shows the audit log for the selected entity. For users with appropriate access rights, the tab is shown when previewing the selected entity, as well as when the entity is open in reading or editing mode.

Attrib	utes	Security	Retention	Activity Log	ystem Propert	ties
Ret	rieve	Export	Ŧ			
Time	User	Address	Computer	Internal addres	s Event type	Event details
Activit	ty log	for selecte	d entity			

Image 24: View of the »Activity Log« tab prior to retrieving an audit trail

The audit trail is retrieved by using the »Retrieve« command in the command bar under the »Activity Log« tab. Users can refresh the audit trail by using the »Refresh« command.

The audit log records the following data:

- »Time«: time when an action was performed on the selected entity.
- »User«: name of the user who performed an action on the selected entity.
- »Address«: the network address from where the command to perform the action on the selected entity came from.
- »Computer«: the name of the computer from which the command to perform the action on the selected entity came from.
- »Event type«: type of event that was performed on the selected entity.
- »Event message«: message describing the event performed on the selected entity.

Attributes Se	ecurity	Activi	ity Log Syster	m Properties		
Refresh	Exp	ort				
Time	(CSV		Computer	Event type	Event details
19.05.2015 08:3		KML	2.70	MARKO [192.168.92.70]	Entity create event	
19.05.2015 08:3	2111 41		2.70	MARKO [192.168.92.70]	Property value change event	Values for the following properties have changed: sys:Creator, sys:Keywords, sys:Owner, sys:Significance, sys:Title
19.05.2015 08:3	9:44 ad	dmin	192.168.92.70	MARKO [192.168.92.70]	Security class change event	Security Class initially set to 'Restricted [2]'
19.05.2015 08:3					Entity save event	
20.05.2015 14:5	7:50 ac	dmin	192.168.92.67	ALESWIN7 [192.168.92.67]	Entity open event, type READ-WRITE	
20.05.2015 16:0	0:38 ad	dmin	192.168.92.70	MARKO [192.168.92.70]	Security class change event	Security Class change occurred from 'Restricted [2]' to 'Unclassified [1]'. Reason: test
20.05.2015 17:2	3:20 ac	dmin	192.168.92.67	ALESWIN7 [192.168.92.67]	Entity open event, type READ-WRITE	
21.05.2015 14:5					Entity open event, type READ-WRITE	
21.05.2015 15:0	6:06 ac	dmin	192.168.92.67	ALESWIN7 [192.168.92.67]	Entity open event, type READ-WRITE	
22.05.2015 13:1	9:16 js	mith	192.168.92.70	MARKO [192.168.92.70]	Entity open event, type READ-WRITE	
22.05.2015 13:1	9:29 js	mith	192.168.92.70	MARKO [192.168.92.70]	ACL entry change event	Added ALLOW rights for 'jsmith': Read: OFF; Write: OFF; Delete: ON; Change permissions: OFF; Create entities: OFF;
22.05.2015 13:1	9:29 js	mith	192.168.92.70	MARKO [192.168.92.70]	Entity save event	
22.05.2015 13:2	0:16 js	mith	192.168.92.70	MARKO [192.168.92.70]	Entity open event, type READ-WRITE	
22.05.2015 13:2	0:19 js	mith	192.168.92.70	MARKO [192.168.92.70]	Property value change event	Values for the following properties have changed: sys:Significance
22.05.2015 13:2	0:19 js	mith	192.168.92.70		Entity save event	
22.05.2015 15:2	3:50 js	mith	192.168.92.70	MARKO [192.168.92.70]	Entity open event, type READ-WRITE	
22.05.2015 15:4			192.168.92.70	MARKO [192.168.92.70]	Entity open event, type READ-WRITE	
22.05.2015 15:4	9:31 ad	dmin	192.168.92.70	MARKO [192.168.92.70]	ACL entry change event	Removed ALLOW rights for 'jsmith': Read: OFF; Write: OFF; Delete: ON; Change permissions: OFF; Create entities: O
22.05.2015 15:4	9:31 ad	dmin	192.168.92.70	MARKO [192.168.92.70]	Entity save event	
25.05.2015 11:5	0:35 ac	dmin	192.168.92.70	MARKO [192.168.92.70]	Entity open event, type READ-WRITE	

Image 25: View of the »Activity Log« tab with a displayed audit trail

When choosing the »Export« command, a popup menu appears with the possible audit log export formats for the selected entity. The supported formats are CSV and XML. When a format is chosen, a dialog box appears enabling the user to save the audit log to the file system.

4.1.3.7 The »System Properties« tab

The »System Properties« tab contains a list of system metadata for the selected entity. Unlike the metadata shown by the »Attributes« tab which can be edited, metadata shown by the »System Properties« tab is read-only (with a few exceptions).

The first column lists the names of the attributes, and the second column shows their values. System metadata is classified into the following groups:

- »General«: contains general system metadata (<u>see chapter 4.3.1 General system</u> <u>attributes</u>).
- »Security class«: contains metadata on changes done to the entity's security class
 (see chapter 4.3.2 Security class change attributes). This group is only present in case
 of entities whose security class has been changed before, and which are currently open
 in the reading or editing mode.
- »Move«: contains metadata that describes the moving of the entity within the framework of the classification scheme (<u>see chapter 4.3.3 Moved entity attributes</u>). This group is only present in case of entities that have been moved before, and that are currently open in reading or editing mode.

• »Transfer«: contains metadata that describes the transferring of the entity around the classification scheme (<u>see chapter 4.3.5 Transferred entity attributes</u>).

This group is only present in case of entities that have been transferred from another archive system, and that are currently open in reading or editing mode.

Save	
General	
Classification code	119.005.001.001.001-2016-00005
Parent classification code	119.005.001.001.001
Template	Case
Туре	Folder
Permanent entity	False
Mode	Edit
Creator	Ron Salazar
Created	25. 04. 2016 14:21:23
Modified	20. 07. 2016 11:03:46
Accessed	21. 07. 2016 15:06:29
Opened	25. 04. 2016 14:21:23
Closed	
Identifier	e8fa06be9a58d8e4f64aa391269d7ece9da6787bf2cec9372bd25b3b8ed87f71
External identifiers	
Save log	
Transfer	
Classification code	117.002.002.001-2016-00001
Imported	20. 07. 2016 11:03:46
System Id	7a01bb49408c041bc03560422f9a52f880a3a12a22eca5df556aa56a97038720
Audit log	xml version="1.0" encoding="UTF-8"? ;

Image 26: View of the »System Properties« tab

4.1.4 The command bar

When the user successfully logs into the selected archive, in the command bar under the Windows Explorer menu, above the list of contained entities, the following commands appear on the bar:

- »New«: creates a new root class on the archive.
- »Search«: enables searching by entity metadata and searching the full text of entity content across the entire archive.

New 🔻 Search

Image 27: Command bar above a selected archive when logged in

When selecting an entity in the overview of the classification scheme or the list of contained entities, the top command bar offers the following possible commands or actions on the selected entity:

- »New«: creates a new entiry.
- »Open«: opens the selected entity in the reading mode.
- »Edit«: opens the selected entity in the editing mode.
- »Delete«: deletes the selected entity, including all the corresponding metadata and content.
- »Actions«: contains commands for performing various operations on the selected entity:
 - »Status«: enables the user to edit the status of the entity via a dialog box, which also offers the option to enter the reasons for the changes performed.
 - »Security class«: enables the user to change the entity's security class via a dialog box, which requires the user to enter the reasons for the change performed.
 - »Authenticity evidence«: enables the user to retrieve authenticity evidence for the selected entity.
 - »Move«: enables the user to move the selected entity around the classification scheme of the archive.
- »Search«: allows searching by the metadata of contained entities and the full text of the selected entity content.



When selecting an entity in the »Search results« folder, the same commands are available as when selecting an entity in the classification scheme or the list of contained entities, with the exception of the command »New«.

Open Edit Delete Actions 🔻 Search

Image 29: Command bar above selected entity in the search folder

When selecting an entity in the »Queue« folder under the »Trash« and »Administration« system folders, the only available commands are »Open«, »Edit« and »Delete«. These will open the entity in reading or editing mode, or delete the entity.

Report Open Edit Delete

Image 30: Command bar above selected entity in the »Queue« system folder

When selecting an entity in the »Export« and »Import« folders under the system folder »Administration«, the only available command is »Open«, allowing users to open the entity in reading mode.

Open

Image 31: Command bar above selected entity in the system folders »Export« and »Import«

When selecting an entity in the »Trash« folder under the »Administration« system folder, the only available command is »Report«, allowing users to create a report on deleted entities.

Report

Image 32: Command bar above selected entity in the system folder »Trash«

4.1.5 Menu functions

The popup menu over the »Archives« folder offers the following commands of the IMiS[®]/Client, in the left view of Windows Explorer next to the OS commands:

- »Add archive«: enables users to add archives to the »Archives« folder.
- »Utilities«: contains utility commands supported by the IMiS®/Client.
- »About«: shows a dialog box with information about the client.

Collapse	
Open in new window	
Pin to Quick access	
Pin to Start	
Add archive	
Utilities >	•
About	

Image 33: Popup menu over the »Archives« folder

The popup menu over a <u>selected archive</u> in the left view (under the »Archives« folder) looks different from the one in the top right view of the Windows Explorer depending on whether the user is logged into the archive or not.

Prior to logging into a selected archive, the popup menu shows the following IMiS[®]/Client commands:

- »Log in«: opens a dialog box for logging into the selected archive.
- »Preferences«: a dialog box for IP address settings is displayed, where the user can view and configure the selected archive.
- »Configure«: a dialog box is displayed, where the user can log in to the configuration of the selected archive.
- »Remove archive«: removes the selected archive from the list of archives under the »Archives« folder.

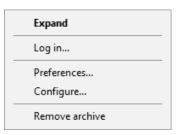


Image 34: Popup menu over the selected archive prior to login

After the user has logged in, the »Log out« command is displayed in the pop-up menu above the archive instead of the »Log in« command, where the user can log out from the selected archive. The pop-up menu is expanded with the following commands and sub-menus:

- »Reports«: contains report commands for the selected archive:
 - »Audit log«: provides access to audit logs throughout the archive.
 - »Folders«: creates a report on all the folders in the archive.
 - »Documents«: creates a report on all the documents in the archive.
 - »Contents«: creates a report on all the content of the documents of the archive.
 - »Retention«: creates a report on retention periods and disposition holds for all classes, folders and documents with specified retention periods or disposition holds.
 - »Access«: creates a report on the permissions of the selected archive user for all the classes, folders and documents of the archive.

Collapse		
Reports	>	Audit log
Print	>	Folders
Actions	>	Documents
Search		Contents
Preferences		Retention
Configure		Access
Remove archive		
Log out		

Image 35: Popup menu over the selected archive when choosing the »Reports« command

- »Print«: contains print commands for the selected archive:
 - »Classification scheme«: prints out the classes of the entire archive via the print preview mode.
 - »Classification scheme with folders«: prints out the classes of the entire archive and their folders via the print preview mode.

Collapse		
Reports	>	
Print	>	Classification scheme
Actions	>	Classification scheme with folders
Search		
Preferences		
Configure		
Remove archive		
Log out		

Image 36: Popup menu over the selected archive when choosing »Print«

- »Actions«: contains commands for operations on the selected archive:
 - »Import«: imports entities to the archive.
 - »Export«: exports entities from the archive.

Collapse		
Reports	>	
Print	>_	
Actions	>	Import
Search		Export
Preferences		
Configure		
Remove archive		
Log out		

Image 37: Popup menu over the selected archive when choosing »Actions«

• »Search«: allows users to search by entity metadata and search the full text of entities on the entire archive.

The popup menu <u>over a selected entity</u> shows the following sub-menus and commands:

- »Reports«: contains the following report commands for the selected entity:
 - »Audit log«: depending on the user's selection, allows access to the audit log of the selected entity, or audit logs throughout the server.
 - »Folders«: creates a report on all folders contained by the selected entity.
 This command is only available for a class or folder.
 - »Documents«: creates a report on all the documents contained by the selected entity.
 This command is only available for a class or folder.
 - »Contents«: creates a report on the content of the selected entity. This command is only available for a class or folder.
 - »Retention«: creates a report on retention periods and disposition holds for all entities with specified retention periods or disposition holds under the selected entity.
 - »Access«: creates a report on the access permissions of the selected user, or all the users, for all the classes, folders and documents of the archive. This command is only available for a class or folder.

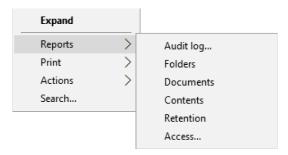
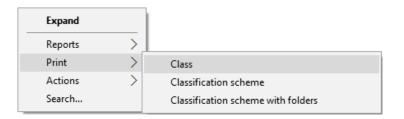


Image 38: Popup menu over the selected entity when choosing »Reports«

- »Print«: contains the following print commands for the selected entity:
 - »Class«: prints data about the selected class.
 - This command is only available for classes.
 - »Folder«: prints data about the selected folder.
 This command is only available for folders.
 - »Document«: prints data about the selected document.
 This command is only available for documents.
 - »Classification scheme«: prints the classes of the archive via the print preview mode.
 This command is only available for classes.
 - »Classification scheme with folders«: prints the classes of the archive and all their folders via the print preview mode. This command is only available for classes.



Expand		
Reports	<u> </u>	
Print	\rightarrow	Folder
Actions	>	Classification scheme
Search		Classification scheme with folders

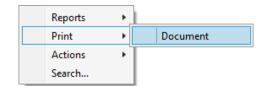
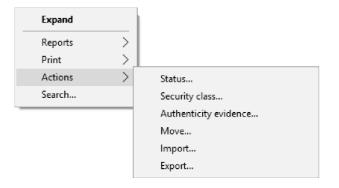


Image 39: Popup menu over the selected entity (class, folder, document) when choosing »Print«

- »Actions«: contains commands for various operations on the selected archive:
 - »Status«: enables you to change the status of the selected entity.
 - »Security class«: enables you to change the security class of the selected entity.
 - »Authenticity evidence«: enables you to retrieve authenticity evidence for the selected entity.
 - »Move«: enables you to move the selected entity within the classification scheme of the archive.

- »Import«: enables you to import entities to the archive.
- »Export«: enables you to export entities from the archive.



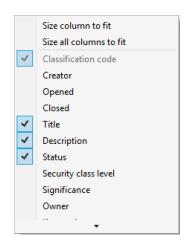


• »Search«: enables search by entity metadata and search the full text of content under the selected entity.

The popup menu over a line of displayed attributes in the list of contained entities

(top right view of Windows Explorer) offers the following commands:

- »Size column to fit«: fits the width of the column to the data of the contained entities.
- »Size all columns to fit«: fits the width of all columns to the data of the contained entities.





4.2 Actions

This chapter describes the actions of the $\ensuremath{\mathsf{IMiS}^{\circ}}\xspace/\ensuremath{\mathsf{Client}}\xspace$ on the selected archive:

- User login and logout from the archive.
- Capture of content and classification of records on the archive.
- Bulk capture of content.
- Conversion of content into long-term storage type.
- Access to records on the archive.
- Archiving of email messages.
- Management of physical records metadata.
- Printing of entity metadata, content and reports.
- Import, export and transfer of archived records.
- Moving and deleting of records.
- Search by metadata and search full text of archived records.
- Status changes.
- Security class changes.
- Authenticity evidence retrieval.
- Audit log viewing.

4.2.1 Login and logout

Users log into an IMiS[®]/ARChive Server by selecting the desired archive in the »Archives« virtual folder, which is found in the left view of the IMiS[®]/Client.

Login to an archive is done by using the »Log in« command in the:

- Popup menu over the selected archive in the left view (the classification scheme).
- Popup menu over the selected archive in the top right view (the list of archives).
- Command bar of the Windows Explorer for the selected archive.

💵 📝 📄 👻 IMis/ARC	hive Server	_		×
File Home Share	View			~ 🕐
Pin to Quick Copy Paste access	Cut Copy path Paste shortcut Copy path Paste shortcut Copy path Paste shortcut Copy path Copy path Co	linve	ect none ert selection	
Clipboard	Organize New Open		ielect	
← → ∽ ↑ 🖣 → Are	chives > IMiS/ARChive Server	√ Ū	Search Qu.	<u>م</u>
 A Quick access CneDrive Windows10_PC Network Archives IMIS/ARChive Server 				
> III IIVIIS/ARChive Server	Expand			
	Log in			
	Preferences			
	Configure			
	Remove archive			
20 items				== 🖿

Image 42: Login into the selected archive via the popup menu

When logging in, users enter their username into the »Username« field and their password into the »Password« field. Login is confirmed by clicking »Log in« and canceled by clicking »Cancel«.

🆚 Archive log in	×
Service URL:	
iarc97.imis.si	
Username:	
admin	
Password:	
•••••	
Use Windows credentials	
Login Cance	el

Image 43: Archive login dialog box

Logout from the archive is done by using the »Log out« command in the popup menu or command bar of the selected archive.

By selecting »Use Windows credentials« the user enables Single Sign-on (SSO) authentication mode. In the field »Username« a username is shown in SSO form that is selected in the server settings (*see chapter 8.3.2 Setting an IMiS®/ARChive Server*). The user does not need to enter a password in the »Password« field. As before, confirm registration by clicking »Log in« and revoke it using the »Cancel« button.

If a user is establishing a protected connection with the archive (<u>see chapter 8.3.2 Setting an</u> <u>IMIS®/ARChive Server</u>) a dialog box »Security Warning« is shown. The user can view, use and set a remote certificate to protect the traffic between the server and client.

Certificate warnings	
be guaranteed. Depending on your	led on IMIS/ARChive Server and secure communication cannot security policy, this issue might not represent a security concern. L certificate on your server to prevent this warning from
appearing.	

Image 44: A dialog box to confirm a remote certificate

User views the digital certificate by selecting the »View certificate« button. A digital certificate is used by selecting the »Accept« button. If the user does not confirm the digital certificate by selecting the »Cancel« button, a protected connection with the archive is not established.

By selecting »Install this certificate and do not display any security warning from IMiS®/ARChive Server«, the user saves the thumbprint of the digital certificate by selecting the »Accept« button. Every time a protected connection with the archive is established IMiS®/Client verifies the presence of the remote certificate's thumbprint. If it does not find it, this dialog box is not shown.

If the user has previously installed the archive's digital certificate which has since then been changed or its thumbprint has been changed, a notification about the previous installation of the digital certificate is shown. By selecting the »Yes« button, a new thumbprint is used instead of the old one. By selecting the »No« button, the old thumbprint remains in use, and the protected connection is not established.

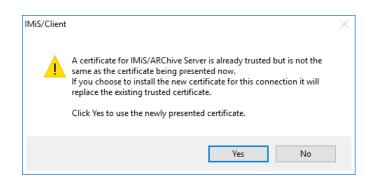


Image 45: Warning about a previous installation of the remote certificate

If the archive requests a »local certificate« to establish a protected connection, a system dialog box »Windows Security« is shown. The user can either select an appropriate local certificate by selecting the »OK« button or cancel the local certificate selection by selecting the »Cancel« button. In the latter case, a protected connection is not established.

Windows	Security		×
Select	a certificate for s	ecure connection	
IMiS/AF	Chive Server iarc97.imi	s.si needs your credentials:	
	Robert Petek		
<u>ل </u>	Issuer: ImagingSysten	nsCA	
	Valid From: 1/22/2016	5 to 1/22/2018	
	Click here to view cert	tificate properties	
More cl	noices		
	ОК	Cancel	

Image 46: A dialog box for selecting a local certificate

After a successful login, the user is displayed a list of classes at the root level in the classification plan of the selected archive material to which they have access rights.

This prevents access to the IMiS®/ARChive Server.

Expand	
Reports	>
Print	>
Actions	>
Search	
Preferences	
Configure	
Remove archive	
Log out	

Image 47: Logging out of the selected archive via the popup menu

<u>Note</u>: On one computer, the IMiS[®]/Client does not allow simultaneous login to the selected archive for more than one user. If another user wishes to log in from the same computer, the previous user has to log out.

4.2.2 Document capture

Capture of documents in the IMiS[®]/Client is available to users that have the »Create entities« access right on the selected class or folder. This right allows the user to add new entities (sub-entities) to the selected entity.

For faster capture and sorting of content to its place in the classification scheme, it is advised that users separate / organize documents according to their type prior to import. This is done by sorting the documents into appropriate »Templates« in the classification scheme.

Each template has its own predefined attributes, which are set by the administrator within the framework of the IMiS[®]/ARChive Server settings. User must input all the required attributes before saving the document.

<u>Example</u>: When capturing content and archiving it into the classification scheme, it is advisable that entities contain only a single type of subordinate entity. Thus, classes should contain only documents or only folders. Mixing different types of entities in the same hierarchy level is not allowed according to the Moreq2 standard (Ref. 3.1.25).

In addition to entering metadata, the user can also attach a various content to the document. The IMiS[®]/Client enables the capture of those content, that are supported by the IMiS[®]/ARChive Server and can be described using the IANA-registered content type (MIME type).

The format of the file is recognized from the file's extension. If the file extension is wrong, it is possible the recognized format will also be wrong.

<u>Example</u>:

- Long-term content storage formats (TIFF, PDF/A).
- Formats related to email (e.g. EML, VCF).
- Various text, image and graphics formats (e.g. TXT, JPG, DWG).
- Microsoft Office formats (e.g. DOCX, XLSX, PPTX).
- Webpage file formats (e.g. HTML, XML).
- Compression formats (e.g. ZIP, TGZ).
- Audio-video formats (e.g. AVI, MP4).
- ...

<u>*Tip</u></u>: If a user receives an error message when trying to save the content (Error: File <file path> cannot be attached to content), it should contact the administrator.*</u>

The administrator is advised to check if the type of file is included in the list of registered content types (MIME type) on the IMIS[®]/ARChive Server.

4.2.2.1 Capturing procedure

Select an archive server in the left view of Windows Explorer. In the server's classification scheme, select the class where the new document or folder should be stored. When you select a class, the right view displays the list of already contained documents or folders.

If you have the »Create entities« access right, you can add new entities.

To check the effective access rights of the user on he selected entity <u>see chapter 4.1 Interface</u> <u>description</u> and <u>chapter 4.1.3.4 The »Security« tab</u>.

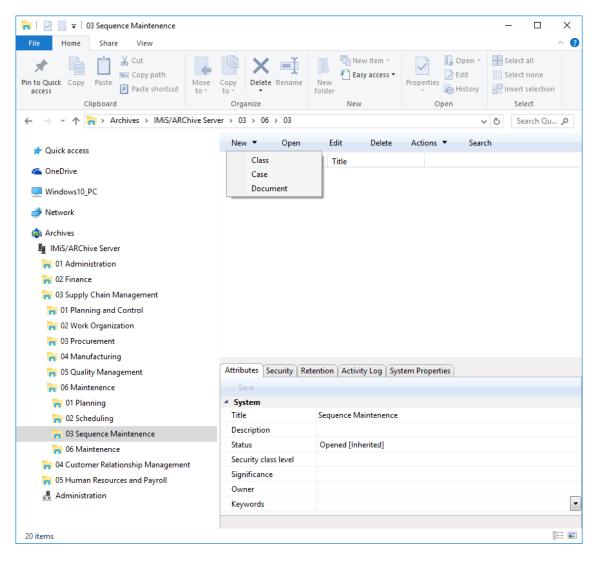


Image 48: Creating a new entity using the command bar

When a class is selected, the command »New« in the Explorer's command bar is used to open a popup menu that lists all the available templates for creating entities and sorting them into the selected class or folder. When a template is selected, the bottom right view (entity information) shows the tabs of the new document or folder.

<u>Troubleshooting</u>: the most frequent issues when creating a new entity are:

- Entity with the template you selected cannot be created inside the selected entity.
- User does not have permission to create new entities inside the selected entity.

4.2.2.2 Entry of metadata

Select the »Attributes« tab in the bottom right view (entity information). This tab lists all the attributes of the document or folder that can be entered by the user.

Each attribute selected from the list will display a longer description in the status bar of the tab. Attributes which are marked (the name of the attribute has a red dot at the end) are required (mandatory). These must be entered before the document can be saved.

System Title	Sequence Maintenence
Description	Periodic maintenence check
Status	Opened [Inherited]
Security class level	Restricted
Significance	Retain
Owner	Grace Layton
Keywords	maintenance

Image 49: Entry of required metadata

The list of attributes is divided into several categories:

- »System« attributes: these are present for all entities.
 See also <u>chapter 4.3.1 General system attributes</u>.
- »Email« attributes: these are present when you select a template that contains email attributes. See also *chapter 4.3.6 Email attributes.*
- »Custom« attributes: these are specified by the choice of the selected template and depend on the administrator's configuration of the classification scheme for the server.

Attribute entry fields are as follows:

• Text field where the user inputs any string of characters.

Title•	Invoice 2016/00120790
	lmage 50: Entry of text metadata

• Date field where the user inputs the date, or selects one from the date and time selection popup window.

Permission	Effective		AI	low					Deny		
Read	\checkmark		[1							
Write	\checkmark		[1							
Move			[1							
Delete			[1							
Create entities				1							
Change permissions											
Change security class											
Change status											
Change retention											
Valid from			l		~	•				×	v
Valid to											<u> </u>
valid to		•		okto	ber	2016		•		×	Y
		pon	.tor.	sre.	čet.	pet.	sob.	ned.			
		26	27	28	29	30	1	2			
		3	4	5	6	7	8	9			
		10	11	12	13	14	15	16			
		17	18	19 26	20 27	21 28	22 29	23 30			
		31	1	20	3	4	5	6			
								•			

Image 51: Entry of date and time metadata

• A pick list with predefined values, one of which is selected by the user.

Significance	Vital [Inherited] ×
Owner	[None]
Keywords	Vital [Inherited]
• Email	Vital
	Permanent
	Retain
	Delete

Image 52: Entry of metadata with predefined values

• A multiple value field where the user inputs any desired text values, separated by using the »Enter« key. In the multiple value display field, the individual values are separated by a semicolon mark (;).

Keywords	asset; budget; payment	×	•
▶ Email	asset budget payment		

Image 53: Entry of multiple value metadata

<u>Tip:</u> The user can also input values in the display field, by using the semicolon mark. It is cleaner and more advisable, though, to enter them via the entry field.

When all the required and optional metadata has been entered, the user may continue to add content files via the »Content« tab.

4.2.2.3 Entry of the classification code

The entry of the classification code for new entities depends on the selected type of classification code generation of the parent class. This type is selected in the »System Properties« tab. The drop-down list of the field »Child classification code generation« allows the user to set the entry type for the selected class:

- »Automatic«: where classification codes of child entities are generated automatically by the IMiS[®]/ARChive Server. These classification codes appear as successive numbers, with each new child entity increasing the number by one.
- »Manual«: where classification codes of child entities must be entered manually. This classification code may be any combination of letters and numbers, providing it is unique inside the entire parent class.

Warning: In the manual entry of classification codes, the character »^« is invalid

General Classification code	109.005
Parent classification code	
Child classification code	
Template	Automatic
Туре	Manual
Permanent entity	False
Mode	Edit
Creator	Administrator
Created	4. 05. 2016 09:30:45
Modified	22. 06. 2016 17:47:34
Accessed	22. 07. 2016 12:09:08
Opened	4. 05. 2016 09:30:45
Closed	
Identifier	e4793a12a2c1c138a8b37557615d9dda9de98895fa3045a3fe6f334dfa382f07
External identifiers	×
Save log	

Image 54: Display of the type of child classification code generation

If the parent class settings dictate the manual entry of classification codes for all new child entities, the user must enter them manually. The user only enters the relative part of the classification code, and the full classification code is then created from the parent entity's own classification code and the code input by the user.

Save		
System		
Classification code•	ISO-9001	
Title•	ISO Standard 9001	
Description	ISO 9001 documentation	
Status	Opened [Inherited]	
Security class level	Restricted [Inherited]	
Significance	Permanent [Inherited]	
Owner	Alex Nelson	
Keywords	quality	×

Image 55: Display of the entry of a child entity's classification code

<u>Example</u>: Inside a class with the classification code »03.05.01«, the user creates a new folder for which user manually input »ISO-9001« as the relative part of the classification code. When the folder is saved to the IMIS[®]/ARChive Server, its full classification code will be »03.05.01.ISO-9001«.

I ☑ _ 〒 01 Standards File Home Share View				_	
★ ★ ↓	Move Copy to V	New item *	Properties	Edit 🔡 Se	elect all elect none wert selection
Clipboard	Organize	New	Open		Select
← → ~ ↑ 🐂 > Archives > IMiS/ARCh	nive Server > 03 > 05 > 01			∨ Ö S	earch IM 🔎
Ouick access	New 🔻 Open	Edit Delete	Actions 🔻	Search	
	Classification code	Title			
ConeDrive	🔒 03.05.01.ISO-900	1 ISO standard 9001			
Windows10_PC					
Arrow Network					
Archives					
IMiS/ARChive Server					
-					
al Administration					
-					
= 01 Administration					
- - - 					
 In Administration In 02 Finance In 03 Supply Chain Management 	Attributes Security R	etention Activity Log Sys	stem Properties		
 I Administration 02 Finance 03 Supply Chain Management 10 Planning and Control 	Attributes Security R	etention Activity Log Sys	stem Properties		
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 		etention Activity Log Sy:	stem Properties		
 O1 Administration O2 Finance O3 Supply Chain Management O1 Planning and Control O2 Work Organization O3 Procurement 	Save	etention Activity Log Sys	stem Properties		
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 	Save System				
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 05 Quality Management 	Save Save System Title	ISO standard 9001			
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 05 Quality Management 01 Standards 	Save Save System Title Description	ISO standard 9001 ISO 9001 documentation			
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 05 Quality Management 05 Quality Management 01 Standards 02 Compliance 	Save Save	ISO standard 9001 ISO 9001 documentation Opened [Inherited]			
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 05 Quality Management 10 Standards 02 Compliance 03 Audit Process 	Save Save System Title Description Status Security class level Significance	ISO standard 9001 ISO 9001 documentation Opened [Inherited] Restricted			
 1 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 05 Quality Management 05 Quality Management 01 Standards 02 Compliance 03 Audit Process 06 Maintenence 	Save Save System Title Description Status Security class level Significance	ISO standard 9001 ISO 9001 documentation Opened [Inherited] Restricted Permanent			
 01 Administration 02 Finance 03 Supply Chain Management 01 Planning and Control 02 Work Organization 03 Procurement 04 Manufacturing 05 Quality Management 05 Quality Management 01 Standards 02 Compliance 03 Audit Process 06 Maintenence 04 Customer Relationship Management 	Save Save Save Save Securition Status Security class level Significance Nowner	ISO standard 9001 ISO 9001 documentation Opened [Inherited] Restricted Permanent Raul Jordan			

Image 56: Display of manually entered classification code

4.2.2.4 Setting an entity's security class

A user with the access rights can set the »Security class« of new entities.

This setting hides entities from users whose security class level is not high enough to access them. Security classes are predefined, and range from lowest to highest as follows:

- »Inherited«: means the security class is implicitly inherited from the parent entity. In case of root classes, the inherited security class value is empty.
- »Unclassified«: means access to this entity is not limited.
- »Restricted«: means the entity is an internal matter. It may only be accessed by users with a clearance level »Restricted« or higher.
- »Confidential«: means the entity is considered confidential. It may only be accessed by users with a clearance level »Confidential« or higher.

- »Secret«: means the entity is considered secret. It may only be accessed by users with a clearance level »Secret« or higher.
- »Top Secret«: means the entity is considered top secret. It may only be accessed by users with a »Top Secret« clearance level.

The pick list only displays values that are lower or equal to the clearance level of the user. In addition to values lower or equal to the clearance level of the user, when at least one parent entity has a specified security class, the pick list also displays the inherited value, marked by the suffix [Inherited].

Attributes Security Rete	ention System Properties			
Save				
System				
Title•	IMiS Development project			
Description	All about IMiS development project			
Status	Opened [Inherited] v			
Security class level	[Inherited] ×			
Significance	[Inherited]			
Owner	Unclassified			
Keywords	Restricted			
▶ Custom	Confidential Secret Top Secret			
Security class level Curren	t entity security class.			

Image 57: Display of setting an entity's security class without inherited value

When a new entity has been saved, users can no longer modify the »Security class« metadata using the »Attributes« tab but only by using the »Security class« action, since a reason must be given in order to change a saved entity's security class (<u>see chapter 4.2.16 Changing the</u> <u>security class</u>).

4.2.2.5 Content capturing procedure

Select the »Content« tab in the bottom right view (entity information). This tab contains a list of content contained by the entity. If the entity is newly created, the list is empty.

Note: Content may only be attached to documents.

Attributes	Content	Phys	ical Content	Security	Retention	Activity Log	System Properties	
Save	Open		Add 🔻	Remove				
		Descr	File sy	stem		Inserted	Modified	
			Scann	er				
Content for	selected e	entity						

Image 58: Adding files using the file system

The user captures the content of documents in the following ways:

- Using the »File system« command, by selecting the specific content.
 Choose »Add...« in the command bar of the »Content« tab to open a popup menu with the »File system« command. This command opens the content selection dialog box.
 Find the desired file and select it. Choose »Open« to confirm your choice. This will start the transfer of the file to the IMiS[®]/ARChive Server. By choosing »Cancel«, you can cancel the capture of content. When the content has been transferred, it will appear on the list of inserted content, where its description has the same name as the captured content.
- Using the »Scanner« command, providing the IMiS[®]/Scan client is installed.
 Choose »Add...« in the command bar of the »Content« tab to open a popup menu with the »Scanner« command.

Selecting this command starts the IMiS[®]/Scan application and shows its main window. By selecting »Scan more pages« from the »Scan« menu, you begin the scanning procedure. When scanning is complete, the content is saved by choosing »Save and close« form the »File« menu. For more information on how to use the scanner client *see the user manual of the IMiS[®]/Scan client*.

When the content is saved, the IMiS[®]/Scan window closes down and the procedure of transferring the content to the IMiS[®]/ARChive Server begins. When transfer is complete, the captured content appears on the list of inserted files. Its starting description automatically becomes »New document«, with the file extension corresponding to the type of scanned document (TIFF or PDF/A).

<u>Note</u>: When the content has been transferred, the new document isn't automatically saved. This means the content will not be contained in the document until you save it.

Attributes	Content	Physical Content	Security	Activity Log	System Properties	
Save	Open	Add 🔻	Remove			
		Description	_	In	iserted	Modified
🔊 🔊 Scan.ı	next proje	ct Phase 1.tif•				
Content for	r selected e	ntity				

Image 59: Display of added content

All the new, currently unsaved content are marked in bold and have a red dot at the end. The attributes »Inserted« and »Modified« are empty because the content of document hasn't been saved to the IMiS[®]/ARChive Server yet.

Attributes	Content	Physical Con	tent Security	Activity Log	System Properties	
Save	Open	Add 🔻	 Remove 			
		Description		Ir	nserted	Modified
🔊 🔊 🔊 📾	ext project	Phase 1.tif				
Content fo	r selected e	entity				

Image 60: Editing the new content's description

The description of the content is changed by clicking its name on the list. Write your description and press the »Enter« key to confirm it. When you are done capturing all the content, you can decide to save the entity (<u>see chapter 4.2.2.8 Saving an entity</u>) or proceed to enter data about the physical content.

Troubleshooting: Most frequent issues when capturing content:

- The file does not exist.
- Wrong MIME type of file.

4.2.2.6 Entry of physical content attribute values

Select the »Physical Content« tab in the bottom right view (entity information). This tab contains a list of all attributes that deal with the description of the physical content the entity corresponds to, or is based on. See also <u>chapter</u> Error! Reference source not found. <u>Managing physical content metadata</u>.

4.2.2.7 Specifying retention periods

A condition for successfully saving new entities is the existence of effective retention periods on the entity.

This condition applies to all types of entities, except for documents in a folder for which retention periods cannot be specified. An effective retention period is required for implementation of the review process.

The presence of effective retention periods can be checked by the user in the »Retention« tab. On the list the effective retention periods are ticked in the »Effective« column. If the entity does not have an effective retention period, one must be specified.

The adding of a retention period is started with the »Edit« command in the »Retention« tab.

Attribut	es Security	Retention	System Pr	operties				
Save	e Edit	Ad	d Re	move	Context [Retention p	olicies] 🔻	
Name	Description	Reason	Effective	Scope	Classes	Folders	Documents	

Image 61: Enables the editing of retention periods and disposition holds

By clicking on the »Add« command, the »Select retention policy« options window appears, containing a list of available retention periods. These are specified in the archive's configuration (see chapter 8.4.7.1 Retention policies« subfolder).

The user selects the retention period. The selection is confirmed by clicking on the »Add« button on the list of retention periods on the tab.

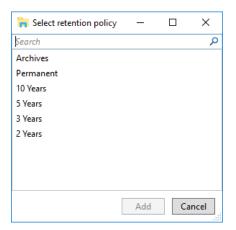


Image 62: Adding an explicit retention period

The following values can be set for the retention period:

- »Scope«: by selecting the »Allow« value, the retention period is allowed, and by selecting the »Deny« value, it is denied.
- »Classes«: a tick means that the retention period applies to the selected entity and to all of the contained classes.
- »Folders«: a tick means that the retention period applies to the selected folder and to all of the contained folders.
- »Documents«: a tick means that the retention period applies to all documents under the selected entity.

Attributes	Security R	etention	Activity	Log Syster	n Propert	ies					
Save	Edit	Ade	d I	Remove	Context	(Retention	policies	•	,		
Name	Description		Reason			Effective	Scope		Classes	Folders	Documents
10 years	Dispose after	10 years	Dispose (entities after	10 years		Allow	Y	\checkmark	\checkmark	✓
Retention	settings for se	elected en	tity								

Image 63: Editing the settings of the explicit retention period

By clicking on the »Save« button, the user saves the retention period to the list in the tab. If the saved retention period is effective, the entity can be saved. If not, the user must return to editing mode via the »Edit« command and reset the retention period.

Attributes	-	Activity Log System Propert		policies] 🔹			
Name	Description	Reason	Effective			Folders	Documents
10 years	Dispose after 10 years	Dispose entities after 10 years	\checkmark	Allow V	\checkmark	\checkmark	v
Retention	settings for selected en	tity					

Image 64: A saved explicit retention period

4.2.2.8 Saving an entity

When the content have been captured and the required metadata entered, user must save the entity to the IMiS[®]/ARChive Server to archive it.

Attributes Security Re	etention Activity Log System Properties					
Save						
System						
Title•	IMiS Development project					
Description	All about IMiS development project	All about IMiS development project				
Status	Opened [Inherited]					
Security class level	[Inherited]					
Significance	Permanent [Inherited]					
Owner	John Smith					
Keywords	development	×				
Custom						

Image 65: Saving a new or modified entity

This is performed by using the »Save« command in command bar under the tabs.

This begins the transfer of all entered metadata to the server.

The content that have been captured will be inserted into the saved document.

<u>Troubleshooting</u>: Most frequent errors when saving:

- The value of a mandatory attribute was not specified.
- The entered attribute value is not allowed.

4.2.2.9 Saving entities with electronically signed content

If, when capturing content, the user adds an electronically signed content (PDF/A, TIFF, XML or EML file), the procedure of checking the electronic signatures of captured content will automatically start while saving the entity and its contents to the IMiS[®]/ARChive Server (*see chapter 4.4.2.2 Checking the validity of electronic signatures*).

4.2.2.10 Metadata records

When saving an entity to the IMiS[®]/ARChive Server, the following metadata is automatically recorded into the entity:

• »Classification code«: according to the classification of the entity in the classification scheme, the server creates a unique string of characters.

Classification code	31.09.01-2016-00001/00001
	Image 66: Example classification code

• »Creator«: the user who created the entity; meaning the user who was logged in during the session when the entity was created. This metadata never changes.

Ē		
	Creator	Ron Salazar

Image 67: Example creator of entity

 »Opened«: records the date and time the »Status« attribute was saved with the »Opened« value.

Opened	25. 04. 2016 14:21:23	

Image 68: Example date and time an entity was opened

 »Closed«: records the date and time the »Status« attribute was saved with the »Closed« value.

Closed	25. 07. 2016 10:11:34	

Image 69: Example date and time an entity was closed

• »Created«: records the date and time the entity was created on the server. This metadata never changes.

Created	25. 04. 2016 14:21:23

Image 70: Example date and time an entity was created

• »Modified«: records the date and time of the last change to any of the attributes or the content of the entity. This metadata changes every time the entity is saved.



 »Accessed«: records the date and time the entity was last opened in the reading mode or the editing mode. This metadata changes whenever a user accesses or edits the entity.

Accessed	25. 07. 2016 10:11:34

Image 72: Example date and time of last access to the entity

• »Identifier«: the entity's unique identifier on the server. This metadata never changes.

Identifier	8e897af1cf962855ce473442494f159529786ad20db36f3f1ad02fbd4f00cfb8	
	Image 73: Example entity identifier	

• »External identifiers«: a list of the entity's unique external identifiers on the server.



• »Save log«: contains a report on the verification of electronic signatures in the captured files.



Image 75: Example save log of an entity

When entity content is being saved to the IMiS[®]/ARChive Server, the following metadata is automatically recorded into the entity:

 »Inserted«: date and time when the user saved a document to which a new content was attached (inserted). As long as the content exists on the document, this metadata does not change.

Attributes	Content	Physical Content	Security	Activity Log	System Prop	erties	
Save	Open	Add 🔻	Remove				
		Description			nserted	Modified	
🔳 Scan.r	next projec	t Phase 1.tif		18. 10.	2016 12:22:33	18. 10. 2016 13:25:55	
						•	
Content for	r selected e	entity					



»Modified«: date and time when the user changed the content of the document.
 This metadata changes every time a user changes an inserted content by using »Save« button.

Attributes	Content	Physical Content	Security	Activity Log	System Prope	erties
Save	Open	Add 🔻	Remove			
		Description		In	serted	Modified
🛲 Scan.n	ext project	t Phase 1.tif		18, 10, 2	2016 12:22:33	18. 10. 2016 13:25:55
Content for	selected e	entity				

Image 77: Example date of content modification

4.2.3 Bulk document capture

Bulk capture is the action of importing a large number of documents without the need for the user to oversee each individual capturing procedure. Bulk capture in the IMiS[®]/Client is performed using the »Import« action. By preparing the content correctly before you import it, you can decrease the possibility of encountering errors during the bulk capture procedure. Entities that experience errors during bulk capture are not imported and must be captured manually by the user. For more information on the bulk capture procedure <u>see chapter 4.2.11</u> *Import*.

4.2.4 Conversion

For the needs of long-term content storage, the user can convert all files on the document into a long-term storage type.

<u>Example</u>: A content created in Microsoft Word that is attached to the document must be converted into the PDF/A file type to ensure long-term storage.

<u>Warning</u>: The IMiS[®]/Client and IMiS[®]/ARChive Server do not enable automatic conversion. Conversion must be done separately using the virtual printer application IMiS[®]/Convert To PDF-A.

Using the IMiS[®]/Convert To PDF-A virtual printer application, all the original components of the content (pages of a document, for example) are captured via the virtual printer and converted into a PDF/A file format. The components of the content remain identical.

In addition to the original components, the new file also records the following metadata:

- Convert Date.
- Convert Reason.
- Convert Details.
- Original Software name.
- Convert Software name.

In the IMiS[®]/Client, the user must then manually import the converted file back into the document where it originated. The converted content and all the added metadata may be viewed using any external viewer used to open PDF/A files (Adobe Reader, for example).

4.2.4.1 Conversion procedure

In Windows Explorer, locate the document whose content you wish to convert. Open the document in reading mode by selecting »Open« in the top command bar. The tab »Content« will then appear.

Choose the content from the list. By double clicking the content or selecting »Open« in the bottom command bar, the content will be opened in the software currently registered for opening the content's type (MIME type).

<u>Note</u>: To open the file, the user must have appropriate software installed on the computer that can open the attachment's file type.

Attributes Content Physical Content	Security Acti	vity Log System Prop	perties	
Save Open Add 🔻	Remove			
Description		Inserted	Modified	
👜 Scan.next.project.Phase.1.tif		4. 11. 2016 08:41:57	4. 11. 2016 08:41:57	
Content for selected entity				



In the source software (Microsoft Word, for example), you can then convert the content using the virtual printer IMiS[®]/Convert To PDF-A. It is important to convert the complete content (all the pages of a document, for example).



Image 79: Selecting the virtual printer »IMiS Convert To PDF-A«

Prior to beginning the conversion procedure, the user receives the »Convert Settings« dialog box.

Convert setting	s		-		×
Document title Mind	Invoice				
Reson for convert	Save to long time archiv	/e			
Convert procedure	Convert Invoice into lo	ng-term format (PDF-A).		
Original software					
Save to					
File system					
C:\Users\tester	∙\AppData\Local\Temp\In	voice.pdf		Brow	ise
Page count 1					
Printer name IMiS	Convert To PDF-A				
		Procee	Ы	Can	cel

Image 80: Conversion settings via the dialog box

The dialog box requires the user to enter the following fields:

- »Original software« states the name of the original software (source software or current program using the virtual printer for conversion).
- »Reason to convert« states the reason for conversion.
- »Convert procedure« describes the conversion procedure.

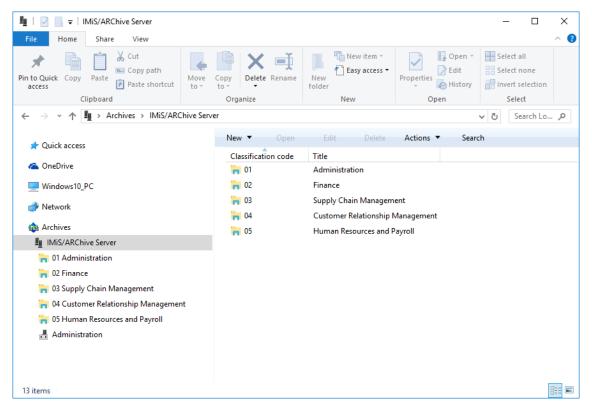
The »Save to« section contains the default option of saving to the file system. By choosing »Browse« you can freely select the desired location where you wish to save the converted file. To continue the conversion procedure, select »Proceed«. The conversion procedure may be cancelled at any time using the »Cancel« command. When conversion is complete, you have to manually import the resulting PDF/A file into the document where the original file is located (<u>see chapter 4.2.2.5 Content capturing procedure</u>).

4.2.5 Access

Access to entities in the classification scheme depends on the security class of the content, the user's clearance level, and the user's explicit permissions.

More information on the security classes is found *in the IMiS[®]/ARChive Server user manual chapter 3.3.5 Access.* To learn how to change the security class of an entity <u>see chapter</u> <u>4.2.16 Changing the security class</u>.

When logging into the selected archive (<u>see chapter 4.2.1 Login and logout</u>), the user is authenticated by his username and password. The IMiS[®]/ARChive Server will display those root classes of the archive for which the logged user has the »Read« permission. The classes are shown in the »Archives« folder under the selected archive in the left view, and in the list of contained entities in the top right view of Windows Explorer.





When accessing data in the selected root class of the archive, the first thing displayed in the bottom right view of Windows Explorer are the following tabs, showing only the publically accessible data for the class:

- »Attributes«: contains a list of entity metadata.
- »Security«: displays the effective access rights of the user on the entity.
- »Activity log«: shows the audit trail of the entity. The tab is only visible to appropriately authorized users.
- »System properties«: contains a list of the entity's system properties.

After choosing the »Open« command in the command bar above the list of entities, the server delivers all the data the current user is authorized to access. This also happens when a user accesses entities contained in the root classes of the archive.

The tabs initially display only the publically accessible entity information. Once the »Open« command has been chosen, the tabs then display all the information the current user is authorized to access. New data is either added to the existing tabs or appears under new tabs such as:

- »Content«: shows a list of the entity's content (files).
 This tab is only displayed for documents.
- »Physical Content«: shows a list of the entity's physical content metadata. This tab is only displayed for folders and documents.

When the user has the »Write« permission, user can also choose the »Edit« command in the command bar above the list of entities.

In that case, the tabs display the same sets of data as when choosing the »Open« command. Data that is not specified as read-only on the server may then be edited and modified (<u>see chapter 4.2.7 Editing entity data</u>). When editing is complete, changes to the entity are saved to the server using the »Save« command in the toolbar under the name of the tab.

🀂 🖓 📑 🔻 02 Finance				- 0	×
File Home Share View					~ 🕐
	Copy to	folder	Properties	Select all Select none	
Clipboard	Organize	New	Open	Select	
← → ~ ↑ 🐂 > Archives > IMiS/ARChive Serv	er > 02		`	・ Ö Search Lo	Q
📌 Quick access	New 🔻 Open	Edit Delete	Actions	n	
	Classification code	Title			
🕿 OneDrive	in 02.01	Accounts Payable			
Windows10_PC	in 02.02	Accounts Receiveable			
Network	in 02.03	Banking			
	iii 02.04	Budgeting			
🚯 Archives	in 02.05	Payments			
Mis/ARChive Server					
a 01 Administration					
02 Finance	Attributes Security Re	tention Activity Log System	m Properties		
🀂 03 Supply Chain Management	Save				
🐂 04 Customer Relationship Management	 System 				
🐂 05 Human Resources and Payroll	Title	Accounts Payable			
📇 Administration	Description	Vendor accounts			
	Status	Opened [Inherited]			
	Security class level				
	Significance	Vital [Inherited]			
	Owner				
	Keywords				•
13 items					==

Image 82: Opening the selected entity

4.2.6 Search functions

The IMiS[®]/ARChive Server enables users to search by:

- Metadata of the class, folder and document.
- Full text of the content attached to the document.
- Title of content contained by the document.
- Metadata and full text of content, simultaneously.

Users may only search entities they are authorized to access. Search functions are available for the selected entity, or the entire server archive.

Search operations are executed using the »Search builder« and started by using the »Search« command available in:

- The popup menu over the selected archive, class or folder under the »Archives« folder in the tree view of Windows Explorer.
- The popup menu over the selected entity in the list of contained entities.
- The command bar above the selected archive or entity.

🐂 🛃 🔄 🖛 02 Finance				– 🗆 X
File Home Share View				~ 🧃
Image: Pin to Quick access Copy Paste Copy path Move Image: Copy path access Clipboard Paste shortcut Image: Copy path	Copy to Organize	New item ~ T Easy access ~ New New	Properties • Open • Open	Select all Select none Invert selection Select
← → → ↑ 🐂 > Archives > IMiS/ARChive Ser	ver > 02			✓ C Search Qu
> 📌 Quick access	New 🔻 Open	Edit Delete	Actions Sear	ch
Con-Drive	Classification code	Title		
> 🧥 OneDrive	in 02.01	Accounts Payable		
> 💻 Windows10_PC	02.02	Accounts Receiveab	le	
> 🧀 Network	in 02.03	Banking		
	2.04	Budgeting		
✓ ▲ Archives	02.05	Payments		
Image: Mis/ARChive Server				
> 🐂 01 Administration				
🗸 🐂 02 Finance	Collapse			
> 🀂 01 Accounts Payable	Reports			
> 🀂 02 Accounts Receiveable	Print >			
> 🏹 03 Banking	Actions			
> 🍖 04 Budgeting	Search			
> 🀂 05 Payments				
> 🐂 03 Supply Chain Management	Attributes Security Re	And the Co	ton Decretica	
> 🐂 04 Customer Relationship Management		tention Activity Log Sys	tem Properties	
> 🐂 05 Human Resources and Payroll	Save			
> 📇 Administration	 System Title 	Finance		
	Description		ints receiveable, Banking,	Budgeting Payments
	Status	Opened [Inherited]	into receiveable, banking,	budgeting, ruyments
	Security class level	opened (mienced)		
	Significance	Vital		
	Owner	Caroline Irwin		
	Keywords	finance		
20 items				

Image 83: Search of the selected entity via the popup menu

The search builder consists of several sections that relate to the scope of the search, the search conditions for search by metadata and search full text, and the option to sort search results.

🖚 Search builder		_	
Search settings	Sort options		
Scope	Sort by	Order	
31 Finance	Title ~	Ascending ~	Remove
Options Recursive Inherited Classes Folders Documents	Ý	Ascending Y	Remove
Attribute search conditions	Full text search con	ditions	
Attribute Relation Value Operator	Value	Operator	
Keywords × = × production × Remove	customer	AND ~	Remove
	revenue	v	Remove
Search expression: [sys:Keywords] = "production" AND {customer} AND {revenue}			
		Execute	Cancel

Image 84: Setting search parameters via the dialog box

The section »Scope« shows the name of the archive or selected entity inside which the user is searching.

The section »Options« offers the following choices:

- »Recursive«: turning this option on means search will be conducted on the selected entity and all the entities it contains. When the option is off, search is conducted only on the selected entity and the first sub-level of contained entities.
- »Inherited«: turning this option on means search will be conducted by inherited values as well as explicit values. When the option is off, search is conducted only by explicit metadata values.

The section »Include« lets users select the type of entities they wish to include in the search. The following may be selected:

- Classes
- Folders
- Documents.

In the »Sort options« table, users select the preferred order of search results:

- »Sort by«: sorts by selected attribute.
- »Order«: sets the order of displayed search results. The possible options are »Ascending« and »Descending«.

The conditions of search results are added by selecting the desired attribute, and removed by clicking »Remove«.

In the »Attribute search conditions« table, the user configures simple metadata search conditions. The search conditions table has the following columns:

- »Attribute«: is the name of the attribute the search condition applies to.
- »Relation«: specifies the comparative relation.
 Possible comparative operators are; equal to (=), other than (<>),
 higher than (>), lower than (<), greater or equal (>=), and lower or equal (<=).
- »Value«: specifies the base value to which attribute value is being compared.
- »Logical operator«: represents the logical operator for chaining simple search conditions into complex search conditions. The available operators are the logical inclusive (AND), the logical interchangeable (OR), and the logical mutually exclusive (XOR). The negative operator (NOT) can be entered manually in the »Search expression« field.

Simple metadata search conditions are added together by selecting the corresponding logical operator, and removed by clicking »Remove«.

In the »Full text search conditions« table, the user configures simple full text search conditions.

- »Value«: represents the string you are searching for in the full text.
- »Operator«: represents the logical operator for chaining simple search conditions into complex search conditions. The available operators are the logical inclusive (AND), the logical interchangeable (OR), and the logical mutually exclusive (XOR). The negative operator (NOT) can be entered manually in the »Search expression« field.

Similar to the »Attribute search conditions« table, the user adds simple full text search conditions using the »Add« button and removes them using the »Remove« button.

The »Search expression« field will display the selected conditions and the logical operators between them. The search expression can also be manually edited, by taking into account the appropriate search string syntax (see the IMiS[®]/ARChive Server user manual chapter 3.5.2 Search string rules).

The search results are displayed in the list of entities, in the right view of Windows Explorer. Results only show those entities the current user is authorized to access. The total number of entities found by the search is stated in the status bar of Windows Explorer, in the bottom left.

Access Paste shortcut to + Clipboard → + ↑	to	New item - New Clear New item - New New New New New New New New New New	it Report 02/29/00	Select all Select none Invert selection Select See Keywords finance finance	arch Qu P
A course Copy Paste Copy path Image: Copy Paste Paste shortcut Move Clipboard Clipboard Image: Copy Paste Move Image: Copy Paste shortcut Image: Copy Paste Move Image: Copy Image: Copy Paste shortcut Move Image: Copy Image: Copy Paste shortcut Move Image: Copy Image: Copy Paste shortcut Move Image: Copy Image: Copy Image: Copy Paste shortcut Image: Copy Image: Copy Image: Copy Paste shortcut Image: Copy Image: Copy Image: Copy Image: Copy Image: Copy </th <th>copy Corganize Corganize corga</th> <th>Delete Actions Title 1/000005 Managemen 1/000006 National Reta</th> <th>Edit Properties History Open</th> <th>Select none Invert selection Select Select Keywords finance</th> <th>arch Qu 🔎</th>	copy Corganize Corganize corga	Delete Actions Title 1/000005 Managemen 1/000006 National Reta	Edit Properties History Open	Select none Invert selection Select Select Keywords finance	arch Qu 🔎
 → ↑ Archives → IMiS/ARChive Serve Quick access OneDrive Windows10_PC Network Archives 	er > Search iarc97.imis.si Open Edit Classification code 02 02 02.01.01-2016-00000 03.01.01-2016-00000	Delete Actions Title Finance 1/000005 Managemen 1/000006 National Reta	Search	✓ ♂ Sea Keywords finance	arch Qu 🔎
 ✓ Quick access ✓ OneDrive ✓ Windows10_PC ✓ Network ▲ Archives 	Open Edit Classification code 02 0 02.01.01-2016-00000 0 02.01.01-2016-00000	Title Finance 1/000005 Managemen 1/000006 National Reta	it Report 02/29/00	Keywords finance	arch Qu 🔎
 OneDrive Windows10_PC Network Archives 	Classification code 202 202.01.01-2016-00000 202.01.01-2016-00000	Title Finance 1/000005 Managemen 1/000006 National Reta	it Report 02/29/00	finance	
 OneDrive Windows10_PC Network Archives 	 2 02 02.01.01-2016-00000 02.01.01-2016-00000 	Finance 1/000005 Managemen 1/000006 National Reta		finance	
■ Windows10_PC ⑦ Network ▲ Archives	 02.01.01-2016-00000 02.01.01-2016-00000 	1/000005 Managemen 1/000006 National Reta		finance	
→ Network	02.01.01-2016-00000	1/000006 National Reta		finance	
🏟 Archives					
🏟 Archives	02.01.01-2016-00000		ail Federation - Per SK 11/1	19/97 finance	
		1/000011 Ballance shee	et	finance	
In the CARChine Comment	02.01.01-2016-00000	1/000012 Takok Invoic	e	finance	
IMiS/ARChive Server	02.05.02	Cheques		finance	
🐂 01 Administration					
🐂 02 Finance					
🐂 01 Accounts Payable					
🐂 02 Accounts Receiveable					
🐂 03 Banking					
🐂 04 Budgeting					
🐂 05 Payments					
🐂 03 Supply Chain Management					
🐂 04 Customer Relationship Management					
05 Human Resources and Payroll					
Search results on Finance					
🛔 Administration					

Image 85: Display of search results in the right view of Windows Explorer

4.2.6.1 Search by metadata

To search by metadata, the user has to configure a search string from one or more simple search conditions in the »Attribute search conditions« table of the »Search builder« window. The type of value you are searching for depends on the type of metadata.

When choosing text metadata, the search value must be text. When searching text metadata, the value does not have to be exactly identical. The IMiS[®]/Client also allow you to perform a »wildcard search« by using special characters in the search string:

- »*« means zero or more characters of any kind
- »?« means any character.

The search is not case sensitive.

Example: If the user is searching entities by the »Title« metadata, the search string:

- »a*« searches for entities whose title starts with the letter »a«. For example producing: »aa«, »Administration«, »authorization«, »A-test« and »Auto Service«.
- »*traffic*« searches for entities that have a string of characters »traffic« in the title For example: »traffic light«, »havy traffic«, »road traffic jam «.
- »*en« searches for entities whose title ends with a string of characters »en«.
 For instance: »then«, »when«, »hen«, »maiden«.
- »d?b« searches for entities whose title has a specified first and third letter (in this case »d« and »b«), while the second letter and all other letters can be random.
 For example producing: »debate«, »Debit«, »dab« or »dubious claims«.

This does not work when searching metadata whose value is represented by the name of a IMiS[®]/ARChive Server user (for example the metadata »Owner«). For these values, the search string must be identical to the value of the metadata.

The input of search values when searching by »date and time« metadata is simplified by the date and time popup window. In case of using the relation operators »equal to« (=) or »other than« (<>) only the date is inserted, while the time is automatically turned into the range of one day by the IMiS[®]/Client. With other relation operators, the date and time must both be input.

<u>Tip</u>: In case you are only familiar with the initial part of an attribute's value, you can use the relation »>« or »>=«. In the latter case, the search results display all values that are equal to the search criteria, and all those values whose initial value parts contain characters and numbers higher, in a successive sequence, than the search criteria.

<u>*Tip:</u>* To make the archive clearer, the administrator should, if possible, recommend a standard structure for naming entities and metadata (upper and lower case, abbreviations...) saved to the server.</u>

4.2.6.1.1 Search by Content descriptions

Users may also search by title of contained content. The »Attribute search conditions« option lets you create a search string using one or more simple conditions.

🚯 Search builder							_		>
earch settings					Sort options				
Scope					Sort by	Order			
Root IMiS/ARChive S	erver				v	Ascending	~	Remo	ve
Options		Include							
Recursive Ir	nherited	Classes	✓ Folders	Document					
tribute search conditio	ons				Full text search condition	ons			
Attribute	Relation	Value	Operator		Value	Operator			
Attribute									
Content descriptic Y	= ~	scan.next*	~	Remove			~	Remo	ve
	= ~	scan.next*	Y	Remove			*	Remo	ve
	= *	scan.next*	~	Remove			~	Remo	ve
	= *	scan.next*	~	Remove			~	Remo	ve
		L	~	Remove			*	Remo	ve

Image 86: Sample search string for searching by title of the content

List of entities that shows the matching search results.

📁 🔄 📃 🗢 Search results on IMiS/ARChive Server				_		×
File Home Share View						~ 🕐
Image: Pin to Quick access Copy Paste Copy path Move to ~ Clipboard Clipboard Clipboard Clipboard Clipboard	Copy to Organize	New item *	Properties Open Open Open	Select all Select none Invert selection Select		
← → → ↑ 🗊 → Archives → IMiS/ARChive Serve	er > Search iarc97.imis.si			✓ [™] Se	arch Ar	Q
	Open Edit	Delete Actions	 Search 			
📌 Quick access						
🙆 OneDrive	Classification code	Title	Content des	•		
	00.01-2010-00000	1/000001 Scan.next resea	rch Part #1 Scan.next pi	oject Phase 1.tif		
Windows10_PC						
💣 Network						
🚯 Archives						
IMiS/ARChive Server						
🐂 01 Administration						
🀂 02 Finance						
🀂 03 Supply Chain Management	Attributes Security Ac	tivity Log System Proper	ties			
🀂 04 Customer Relationship Management	Save					
🀂 05 Human Resources and Payroll	 System 	C	41			
🀂 06 Projects	Title	Scan.next research Part Research on new funcio				
📁 Search results on IMiS/ARChive Server	Description Security class level	Restricted [Inherited]	onalities			
📇 Administration	Significance	Vital [Inherited]				
	Owner	Marco Welch				
	Keywords	projects				•
	 Search 	p				
	Content description	Scan.next project Phase	e 1.tif			•
1 item						

Image 87: Results of searching by title of the content

4.2.6.2 Full text search

To search the full text of the content, the user must configure a search string of one or more simple search conditions in the »Full text search conditions« table in the »Search builder« window.

<u>Examples</u>: A user is searching for entities in the full text of the content. Based on the search string:

- *test returns an error. Such syntax is not allowed.
- **te*st** finds all document contents with words beginning with »te« and ending with »st« (i.e. telephonist, terrorist, ...).
- te?t finds all document contents in which the third letter of the word is unknown (i.e. test, text, ...).
- test* finds all document contents with the word »test« (i.e. tests, testing, ...).
- **test result** finds all document contents with words »test« or »result«. The rule is that if there are no logical operators between the words, operator OR will be used.
- **test AND result** finds all document contents with words »test« and »result«. Logical operators must be written in uppercase.
- **»test result«** finds all document contents with words »test result« written in succession.
- **»test result*«** finds all document contents with words »test result« written in succession, with the possibility that the second word can also be longer (i.e. results, resultados, ...)

Searching the full text is not case sensitive. You may also perform a »wildcard search« by using the special characters »*« and »?« in the search string.

For more information on how to use these characters to search partial values <u>see chapter</u> <u>4.2.6.1 Search by metadata</u>.

The full text search of content can only be conducted for those content formats that allow the IMiS[®]/ARChive Server to recognize text.

Formats supported by the full text search function are:

- HTML, XML and similar formats.
- Microsoft Office, OpenOffice and iWork formats.
- RTF format.
- PDF format.
- Text formats.
- Audio format metadata (metadata of WAV, MIDI, MP3, MP4, OGG).

- Image format metadata (metadata of BMP, GIF, PNG, PSD; EXIF for JPEG, TIFF).
- Video format metadata (metadata of FLV, MP4).
- Email formats (PST, MBOX, EML).
- PKCS7 formats.
- Electronic publication formats (EPUB, FB2).
- Web feed and news formats (RSS, ATOM, IPTC, ANPA).
- DWG format.
- CHM format.
- Font formats (TTF, AFM).
- Scientific formats (HDF, NETCDF, MAT).
- Program and library formats (ELF, PE).
- Compression formats (TAR, CPIO, ZIP, 7ZIP).

4.2.6.3 Combined search by metadata and full text search

Searching by entity metadata and the full text of content can also be combined, which is automatically enabled by the »Search builder«.

4.2.7 Editing entity data

Changing data about an entity in the IMiS[®]/Client includes editing metadata and modifying content. A user can only change entity data when user have the »Write« permission on the entity. To edit the selected entity, use the »Edit« command in the top command bar.

📊 📝 📃 👻 2016-000001 Scan.next projec	+				
	L				
File Home Share View					^ 🕐
★ 📄 📋 🄏 Cut	🖌 🖣 🗙 📑	New item -	Open -	Select all	
Pin to Quick Copy Paste	Move Copy Delete Rename	New Easy access •	Properties	Select none	
access Paste shortcut Clipboard	to - to Organize	folder New	Open	Select	
	Chive Server > 06 > 01 > 2016-00		Open		
$\leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow$ Archives \Rightarrow IMiS/ARC	nive server > 00 > 01 > 2010-00	10001		∨ Ö Se	arch Ar 🔎
Quick access	New 🔻 Open	Edit Delete	Actions Searce	:h	
	Classification code	Title			
🐔 OneDrive	06.01-2016-00000	1/000001 Scan.next resear	ch Part #1		
Windows10_PC					
Network					
T. T					
🏨 Archives					
III IMiS/ARChive Server					
🐂 01 Administration					
🐂 02 Finance	Attailuter C 11 A		·)		
🀂 03 Supply Chain Management		tivity Log System Proper	ties		
🀂 04 Customer Relationship Managemer					
🐂 05 Human Resources and Payroll	 System 				
🐂 06 Projects	Title	Scan.next research Part			
🐂 01 Scan project	Description	Research on new funcio	nalities		
2016-000001 Scan.next project	Security class level	Restricted [Inherited]			
02 ARChive Server project	Significance	Vital [Inherited] Marco Welch			
03 Client project					
a 04 BatchScan project	Keywords	projects			•
Administration					
inin and					
1 item					

Image 88: Editing an entity via the command bar

Metadata that is not »Read-only« and may be edited is found in the tabs »Attributes« and »Physical content«. To the right of the metadata's title is a field where users can change the value of the metadata. The value can be text, date and time, logical, or predefined. You can predefine any number of values.

System	
litle•	
	Invoice 46/2016
Description	Digital animation software
Status	Opened
Security class level	[Inherited]
Significance	Vital
Owner	Grace Layton
Keywords	Disney project ×
Custom	



Changes to an entity also involve the adding (<u>see chapter 4.2.2 Document capture</u>), deleting and modifying of the entity's content. The user performs these actions through the »Content« tab.

	ontent Security Activ	vity Log System Prop	erties	
Save Open Add		Inserted	Modified	
the Scan.next project Phas	File system Scanner	18. 10. 2016 12:22:33	18. 10. 2016 13:25:55	
		_		
Content for selected entity				

Image 90: Adding content to an entity via the file system

Content is added by choosing the »Add« command in the command bar of the tab. This opens a popup menu that lets you select the source of new content. The source can be either the »File system« or the »Scanner«. When you select »File system«, you will receive a dialog box enabling you to select the file you wish to import as the content of an entity, which must be located somewhere on the local computer.

When selecting »Scanner«, this starts the IMiS[®]/Scan application that allows you to scan content and import it into the content of an entity.

Content is removed using the »Remove« command in the bottom command bar found under the tabs. The user selects any number of content, user wish to remove from the list. Users may also edit the content of an entity, though archiving rarely requires this particular functionality. Any modifications to the content of an entity will be recorded in the audit log.

Warning: Content can be successfully modified only if the entity is in editing mode.

Save	
General	
Classification code	31.10
Parent classification code	31
Child classification code	Automatic
Template	Class
Туре	Class
Permanent entity	False
Mode	Edit
Creator	Administrator
Created	25. 07. 2016 12:15:55
Modified	25. 07. 2016 12:15:55
Accessed	25. 07. 2016 12:16:01
Opened	25. 07. 2016 12:15:55
Closed	
Identifier	920e8d1328d31942115bb07bb08082c4c0eee9de3e00e47bc3c346683a0985f2
External identifiers	×
Save log	

Image 91: Opening the entity in editing mode.

Content is opened in the default application for its file type by using the »Open« command.

ttributes Content Physical Content	Security Acti	ivity Log System Prop	erties	
Save Open Add ▼	Remove			
Description		Inserted	Modified	
🚓 Scan.next project Phase 1.tif		18. 10. 2016 12:22:33	18. 10. 2016 13:25:55	
Content for selected entity				

Image 92: Opening content in the default application.

After performing the modification in the default application, the user saves the content and closes it. IMiS[®]/Client marks the modified content in bold and prepares it for transfer to the archive system.

Attributes Content Physical Content Security	Activity Log System Properties
Save Open Add ▼ Remove	
Description	Inserted Modified
Scan.next project Phase 1.tif	18. 10. 2016 12:22:33 18. 10. 2016 13:25:55
Content for selected entity	



Changes to the entity are confirmed using the »Save« command in the bottom command bar. If you wish to discard changes, simply select another entity and click »Don't save« in the save prompt.

Attributes Security Rete	ntion Activity Log	System Properties	
Save			
✓ System			
Title•	Invoice 46/2016		
Description	Digital animation so	software	
Status	Opened [Inherited]]	
Security class level	[Inherited]		
Significance	[Inherited]		~
Owner	Alex Nelson		~
Keywords	Disney project		×
Custom			

Image 94: Saving changes to the entity

When saving the document, the »Modified« date is also changed on the modified document content.

Attributes Content Physical Content Security Act	ivity Log System Prop	erties
Save Open Add 🔻 Remove		
Description	Inserted	Modified
Scan.next project Phase 1.tif	18. 10. 2016 12:22:33	19. 10. 2016 08:26:56
Content for selected entity		

Image 95: When saving the modified content, the »Modified« date is also changed

4.2.8 Archiving email messages

The IMiS^{*}/Client enables users to capture the received and sent email messages with corresponding metadata and attachments, depending on the IMiS^{*}/ARChive Server settings. To enable capture, the server must be configured with at least one template that contains email message attributes (*see chapter 4.3.6 Email attributes*).

4.2.8.1 Email archiving procedure

The user captures email messages by using the Windows »Drag and drop« functionality. The user marks one or several email messages, including their attachments, in the email client (MS Outlook, IBM Notes etc.) and »drags« them to the selected class or folder in the classification scheme in Windows Explorer.

If the user wishes to mark several different messages, he holds down the »Ctrl« key and selects individual messages with the left mouse button.

The user arranges the Windows Explorer and email client windows so that they are both visible on screen. By holding down the left mouse button, the user drags the selected email messages to the right view of Windows Explorer.

If the mouse cursor changes to a copy cursor message to this folder or class.

, the user can archive the email

I 🖸 📕 🖛 08 Education				🍿 Mail - IBM - IBM Notes						>
File Home Share View				File Edit View Create Acti	ons Tools	Window Help				
🖈 🖹 📋 🕹 Cut 🛛 🔽	🔍 🗙 🛋	New item *		Open 👻 🔛						🔀 👻 Search All Mail
	Copy Delete Rename		Properties 2	🏫 Home 🙁 🔀 Marko Hre	n - Mail 🛛 🗙					
access Paste shortcut to	to	folder	Open	Marko Hren 🛛 📃	Message	Reply • Reply to All •	Forward •	ΰI	► • III •	Copy Into New 🔹 😵 Show
- → < ↑ 🐂 > Archives > IMiS/ARChive Serve	-	iicii	open	IMiS_N1		Who	Date	Time	Size	Subject
				Inbox (6)		Delia Jozsa	13. 04. 2011	13:05	15.947	CEE Lotus Channel Communicat
🖈 Quick access	New V Open	Edit Delete	Actions 🔻	Drafts		Maciej Magierek	19. 04. 2011		8.332	Lotus Notes & Domino authorize
CneDrive	Classification code	Title		Sent						
_	05.08/000001	Invitation ECM Roads	how			■ Bine Zerko ←	18. 05. 2011	10:13	1.428	Re: Osvežitev VAP vpisa in dose partnerskega statusa
Windows10_PC				Follow Up Delia Jozsa	29.02.2	012 Vanja Babig 797 🧔	23. 05. 2011	E15(12)	ab 13:423 Sr	New IBM Business Partner mark
Network Archives				All Documents		Natali Bezan	from 80.2011 upcoming ev	ione: NF ents	^V 223.301 ^B Ø	[Spam?]:GPP - obvezna uporaba (kar vam lahko prinese do 4% vre
III IMiS/ARChive Server				Damjan Florjanic Trash	12. 03. 2	012 IBM Slovenija 363	Asneuncine demonstratio	14:02 ns es	orraunitear 391.938ar specially for	Zaščita poslovnih partnerjev pri IE PROCES PRI PRIJAVI POSLOV
🐂 01 Administration				Chat History Views		Delia Jozsa	29. 02. 2012	14:39	38.797 🥔	Correction: CEE Collaboration S Communications: NEW Social B
🐂 03 Supply Chain Management										upcoming events
04 Customer Relationship Management	Attributes Security Re	tention Activity Log Syste	em Properties	Folders			12. 03. 2012	22:30	26.363	Announcing a new community ar demonstrations – especially for
🀂 05 Human Resources and Payroll 🐂 01 General	Save			Archive Tools		Natali Bezan1	24. 04. 2012	22:59	13.315	Nove T2 pogodbe - obvezno za vs preko distributerjev
🐂 02 Staff Appointments	Title	Invitation ECM Roadshow	,	Other Mail		Krunoslav	18. 05. 2012	11:05	8.343	WebSphere Portal NOW - Dinam
03 Employee Records	Description	Roadshow - 21. october 2	016			Koprivnjak				vsebina
Promotion and Tenure	Status	Opened [Inherited]				Bine Zerko	21. 05. 2012		31.118	Fw: IBM Xwork Server
05 Awards and Recognition	Security class level	Unclassified				Bine Zerko	21. 05. 2012	14:46	23.797	Fw: IBM Xwork Server
06 Pension and Benefits	Significance	Retain				Roman Koritnik	20. 06. 2012	12:51	199.231 Ø	Odličnost vodenja
🐂 07 Salary and Paroll	Owner	Caroline Irwin				emeapw	03. 07. 2012	03:07	5.956	Certification is being removed
🔒 06 Projects	Keywords	education				Natali Bežan	10. 07. 2012	14:26	205.924	Global Partner Portal GPP (zašč uporaba za IBM-ove poslovne par
🛃 Administration					<u>⊜</u> । ∢	Robert	06. 10. 2012	14:34	9.485	Invitation: GREAT OPPORTUNIT

Image 96: Transferring email messages from the email client to the selected class

When you let go of the left mouse button, the selected messages are automatically transferred to the desired location in the classification scheme together with their metadata and content, and are saved to the IMiS[®]/ARChive Server.

il			~
A to Quick Copy Copy Copy Paste Copy Paste Copy Paste shortcut Clipboard	Copy to Organize	New folder New Open Select all	
🗙 🕆 🐂 > Archives > IMiS/ARChive Se	erver > 05 > 08	✓ ט Search Qu	م
📌 Quick access	New V Open	Edit Delete Actions ▼ Search	
🕋 OneDrive	Classification code	Title Invitation ECM Roadshow	
windows10_PC	05.08/000002	Announcing a new community and Social Business demonst	trat
Network	05.08/000003	Correction: CEE Collaboration Solutions Channel Communic	catio
🀂 02 Finance 🗧 03 Supply Chain Management			
🐂 03 Supply Chain Management 🐂 04 Customer Relationship Management	< Attributes Security R	etention Activity Log System Properties	
🔒 03 Supply Chain Management	Attributes Security R Save	etention Activity Log System Properties	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 	Attributes Security R Save	etention Activity Log System Properties	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 10 General 	Attributes Security R Save		
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 01 General 02 Staff Appointments 03 Employee Records 04 Promotion and Tenure 	Attributes Security R Save Save System Title	Education	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 01 General 02 Staff Appointments 03 Employee Records 04 Promotion and Tenure 05 Awards and Recognition 	Attributes Security R Save System Title Description	Education Employee education	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 01 General 02 Staff Appointments 03 Employee Records 04 Promotion and Tenure 05 Awards and Recognition 06 Pension and Benefits 	Attributes Security R Save System Title Description Status	Education Employee education Opened [Inherited]	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 01 General 02 Staff Appointments 03 Employee Records 04 Promotion and Tenure 05 Awards and Recognition 06 Pension and Benefits 07 Salary and Paroll 	Attributes Security R Save Save System Title Description Status Security class level Significance I Owner	Education Employee education Opened [Inherited] Restricted	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 01 General 02 Staff Appointments 03 Employee Records 04 Promotion and Tenure 05 Awards and Recognition 06 Pension and Benefits 07 Salary and Paroll 08 Education 	Attributes Security R Save System Title Description Status Security class level Significance	Education Employee education Opened [Inherited] Restricted Retain	
 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 01 General 02 Staff Appointments 03 Employee Records 04 Promotion and Tenure 05 Awards and Recognition 06 Pension and Benefits 07 Salary and Paroll 	Attributes Security R Save Save System Title Description Status Security class level Significance I Owner	Education Employee education Opened [Inherited] Restricted Retain John Smith	

Image 97: Display of transferred email messages

<u>Warning</u>: The capture of email messages works according to the selection of files in MS Windows. The order of files, and consequently the order of classification codes of transferred email messages in the classification scheme, depends on the order in which the messages are selected in the email client.

In the »Content« tab, the user can see all the content that was saved together with the email message. In addition to the message itself, two attachments are always made automatically:

- »Email raw«: the original email message in EML format.
- »Email body«: the body of the original email in either text or HTML format.
 This format depends on the type of the email message's body.

<				>
Attributes Content Physical Content	Security	Retention	Activity Log	System Properties
Save Open Add 🔻	Remove			
Description	Inse	erted	M	lodified
🎲 Email - raw	19. 10. 2016	09:02:14	19. 10. 20	16 09:02:14
💽 Email - body	19. 10. 2016	09:02:14	19. 10. 20	16 09:02:14
🖬 Email - attachment (0)	19. 10. 2016	09:02:14	19. 10. 20	16 09:02:14
📓 Email - attachment (1)	19. 10. 2016	09:02:14	19. 10. 20	16 09:02:14
Content for selected entity				

Image 98: Automatically created email attachments

<u>Note</u>: By clicking the »Email – raw« file, the user opens the original email message in the default client used to open EML files.

4.2.8.2 Functionality description

The selected email messages are copied to the specified location in the classification scheme, in the form of an EML file. For each email message, the IMiS[®]/Client creates a new document containing the original message, the metadata and any captured content.

The following metadata (when present) is automatically extracted from the email message:

- »Subject«: the subject of the message.
- »Date«: the date and time the message was sent or received.
- »From«: email address of the sender.
- »To«: email addresses of recipients.
- »CC«: email addresses of the carbon copy recipients.
- »BCC«: email addresses of hidden recipients.
- »Priority«: priority status of the email.
- »Signed«: a value that registers if the email message was electronically signed.
- »Message Id«: automatically generated message identifier.

In this process, the »Date« and »Sender« email metadata are mandatory. If one of these is not successfully captured, the message will not be saved.

Attributes Content	Physical Content Security Activity Log System Properties
Save	
 System 	
Title	WEBINAR: Distributed Capture: Build, or Buy?
Description	
Status	Opened [Inherited]
Security class	
Significance	
Owner	
Keywords	
🔺 Email	
Subject	WEBINAR: Distributed Capture: Build, or Buy?
Date	6.5.2014 0:00:00
From	"Sales, Pixtools" <ptsales@emc.com></ptsales@emc.com>
То	"Info, IMiS" <info@imis.si></info@imis.si>
To CC	
To BCC	
Priority	Normal
Signed	False
Message Id	<b9b6aa44f656dc4b891109f5ec7338403eb6ac760@mx45a.corp.emc.com></b9b6aa44f656dc4b891109f5ec7338403eb6ac760@mx45a.corp.emc.com>

Image 99: Example metadata extracted from an email message

Warning: E-mail messages can't be saved if the selected template includes »Required« custom attribute.

Properties Attributes Us	e under	
Save Add	Remove	
Custom		
 Verification date 		
Public	False	٧
MultiValue	False	٧
Required	False	v
NonEmpty	False	v
ReadOnly	False	v
Inherited	True	v
AppendOnly	False	v
IncludedInAIP	True	v
Validation expression		

Image 100: Example setting custom attribute

4.2.9 Managing physical content metadata

When capturing physical content into its electronic form, users may add metadata that describes the physical location of the stored content, in addition to other types of metadata. The location metadata is optional. If the user enters at least one attribute from the list of physical content, user also have to enter the identifier of the physical content. Entry of physical content metadata for a folder or document is possible upon capture / import, or later when the content is already stored in electronic form.

If you want to perform the entry of physical content metadata during capture (see chapter 4.2.2 Document capture) or later on, select the »Physical Content« tab. Find the appropriate class or folder in the classification scheme (see chapter 4.1.1 Classification scheme) in the left view of Windows Explorer. Then select a document or folder in the list of entities (top right view). By choosing »Edit« in the command bar of Windows Explorer, the selected document or folder is opened in editing mode. In the overview of entity information, there is a new tab »Physical Content« that shows physical content metadata (see also chapter 4.1 Interface description).

I Image: Share View				- 🗆 ×
★ ↓ </th <th>Move Copy to * to *</th> <th>New item *</th> <th>Properties</th> <th>t Belect none</th>	Move Copy to * to *	New item *	Properties	t Belect none
Clipboard	Organize	New	Open	Select
\leftarrow \rightarrow \checkmark \uparrow \blacksquare \diamond Archives \diamond IMiS/ARChi	ive Server > 06 > 01 > 2016-	000001		✓ ີ Search IM
🖈 Quick access	New 🔻 Open	Edit Delete	Actions 🔻	Search
C OneDrive	Classification code	Title	1.0.44	
_	06.01-2016-000	001/000001 Scan.next resea	rch Part #1	
Uindows10_PC				
💣 Network				
Archives				
IMiS/ARChive Server				
Protect and the second				
🐂 01 Administration				
肓 02 Finance	Attributes Content	Physical Content Security	Activity Log Syste	m Properties
🐂 02 Finance 🐂 03 Supply Chain Management	Save	Physical Content Security	Activity Log Syste	m Properties
🙀 02 Finance 🏹 03 Supply Chain Management 🏹 04 Customer Relationship Management	Save	Physical Content Security	Activity Log Syste	m Properties
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 	Save			·
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 	Save Identifier	ID36167		·
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 	Save Identifier Description Status	ID36167 Bulding E, 2nd Floor, S		·
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 	Save Identifier• Description	ID36167 Bulding E, 2nd Floor, S	uite 102, Cabinet 3, S	·
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 01 Scan project 	Save Identifier Description Status Status changed date	ID36167 Bulding E, 2nd Floor, S CheckedIn	uite 102, Cabinet 3, S : 5050	· .
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 01 Scan project 2016-000001 Scan.next project 	Save Identifier- Description Status Status changed date Home location	ID36167 Bulding E, 2nd Floor, S CheckedIn Huston, Brodway street	uite 102, Cabinet 3, S : 5050	·
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 01 Scan project 2016-000001 Scan.next project 02 ARChive Server project 	Save Identifier- Description Status Status changed date Home location Current location	ID36167 Bulding E, 2nd Floor, S CheckedIn Huston, Brodway street New York, Smith Avenu	uite 102, Cabinet 3, S : 5050	·
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 01 Scan project 2016-000001 Scan.next project 02 ARChive Server project 03 Client project 	Save Identifier- Description Status Status changed date Home location Current location Custodian	ID36167 Bulding E, 2nd Floor, S CheckedIn Huston, Brodway street New York, Smith Avenu James Smith	uite 102, Cabinet 3, S : 5050	ihelf 2
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 01 Scan project 2016-000001 Scan.next project 02 ARChive Server project 03 Client project 04 BatchScan project 	Save Identifier- Description Status Status changed date Home location Current location Custodian	ID36167 Bulding E, 2nd Floor, S CheckedIn Huston, Brodway street New York, Smith Avenu James Smith	uite 102, Cabinet 3, S : 5050	ihelf 2
 02 Finance 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll 06 Projects 01 Scan project 2016-000001 Scan.next project 02 ARChive Server project 03 Client project 04 BatchScan project 	Save Identifier Description Status Status changed date Home location Current location Custodian Return due	ID36167 Bulding E, 2nd Floor, S CheckedIn Huston, Brodway street New York, Smith Avenu James Smith	uite 102, Cabinet 3, S : 5050 Je 3030	helf 2

Image 101: Display of entering physical content metadata

The user can complete all the fields except »Status change date«, which is automatically completed with the date of the last change to the »Status« field. When capturing content, set the »Status« field to the value »CheckedIn«. For a description of physical content metadata <u>see chapter 4.3.7 Physical content attributes</u>.

4.2.10 Print

Printing functionalities are divided into:

- Printing the content of a document.
- Performing print functions via the popup menu.

4.2.10.1 Printing the content of a document

A document can contain content of different types, created by different applications. Since every application will correctly print its corresponding file format, the printing of document content is performed through applications for its particular content type.

Select the archive server in the left view of Windows Explorer and locate the folder containing the content you wish to print.

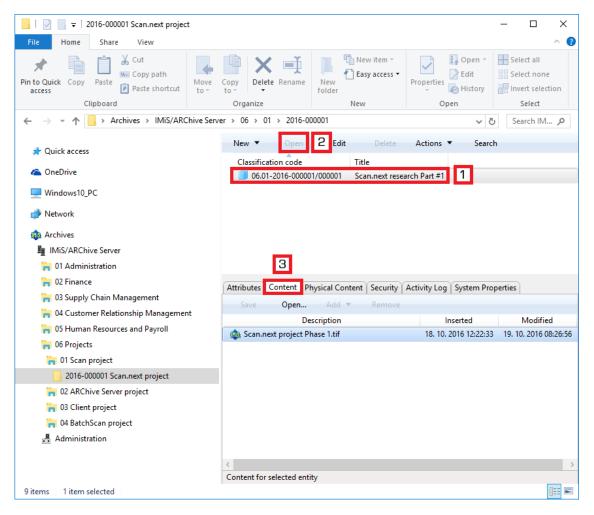


Image 102: Access to the content of a selected document

In the top right view, select the document (number 1 in the above image). Access to the content is only available when the document is open in reading mode, which is done by choosing the »Open« command in the top command bar (number 2 in the image above) or double clicking the document.

A new tab »Content« then appears in the bottom right view. Selecting this tab will display a list of all the content in the document (number 3 in the image above).

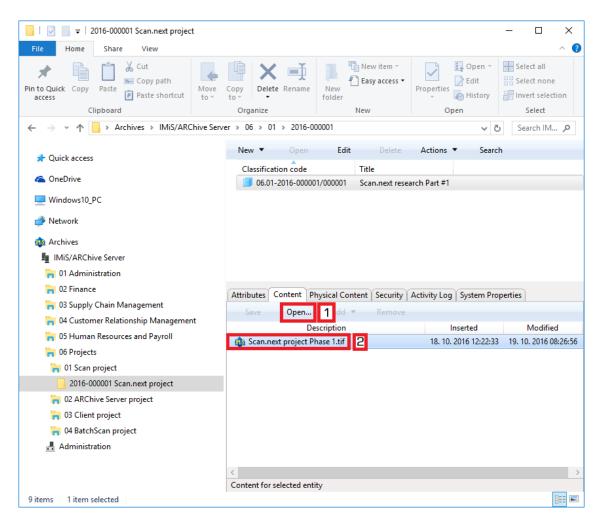


Image 103: Opening the content »invoice.docx« in its default application MS Word

The selected content (number 2 in the image above) is opened in the default application for the corresponding content type by choosing the »Open« command in the top command bar (number 1) or by double clicking. Once the application is open, you can print the content. Repeat this procedure for all content in the document.

4.2.10.2 Performing print functions via the popup menu

Printing can also be performed by choosing one of the options in the popup menu opened by right-clicking a selected entity or IMiS[®]/ARChive Server. Depending on the type of the currently selected entity or server, the popup menu changes in appearance.

Expand		
Reports	>	
Print	>	Class
Actions	>	Classification scheme
Search		Classification scheme with folders

Image 104: Selecting print options via the popup menu

4.2.10.3 Printing metadata, document security settings and properties

Printing the metadata of the selected document is done by choosing the »Print« and then »Document« commands.

Reports	۰,	
Print	×	Document
Actions	. ⊢`	
Search		

Image 105: Selection of metadata print options for the chosen document

Printing the metadata of the selected folder is done by choosing the »Print« and then »Folder« commands.

Reports	•	
Print	•	Folder
Actions	•	Classification scheme
Search		Classification scheme with folders

Image 106: Selection of metadata print options for the chosen folder

Printing the metadata of the selected class is done by choosing the »Print« and then »Class« commands.





After choosing the metadata print command, you will receive the »Print settings« dialog box, where you may specify the structure of the printout.

<u>Note</u>: The user must have reading rights on the entity. Prior to showing the print settings dialog box, the entity is automatically opened in reading mode.

👜 Print settings	\times
Select elements to print	
✓ Content list	
 Security settings 	
Physical content metadata	
🖌 Email metadata	
Transfer metadata	
Custom metadata	
Print Preview Can	cel

Image 108: Print settings dialog box

The printout always includes system metadata, and may optionally also include the following data:

- Content list for the entity.
- Security settings.
- Physical content metadata.
- Email metadata.
- Transfer metadata.
- Custom metadata.

By unchecking the boxes in the »Print settings« window, you remove particular data types from the printout.

By choosing »Print«, the selected metadata will print on the current default printer.

If you wish to preview the print or select another printer, use the »Preview« command.

You can also cancel printing using the »Cancel« command.

Print preview	(9. # 2 I I			-		×	
Print name Enti	ityPrint			26.07.20	16 15:29:01	1	
	Print list for document "119.005.001.001.001.001-2016-00005/00011 - Webcast: Improve your Professional Credibility with VMware Certification" System metadata section.						
	Property	Туре	Value			L	
	Classification code	String200	119.005.001.001.001.001-2016-00005/00011			L	
	Title	String200	Webcast: Improve your Professional Credibility with VMware Certification			L	
	Description	String200	New VMware webcast			L	
	Permanent entity	Boolean	False			L	
	Security class level	UInt32	Restricted [Inherited]			L	
	Significance	UInt32	Vital [Inherited]				
	Owner	DirectoryEntity	Ron Salazar				
	Creator	DirectoryEntity	Administrator				
	Keywords	List <string30></string30>	education				
	Template	String	FiledEmail				
	Туре	String10	Document				
	Created	DateTime	21. 07. 2016 13:18:32			L	
	Modified	DateTime	26. 07. 2016 14:06:52			L	
	Accessed	DateTime	26. 07. 2016 15:28:57			L	
	Identifier String100 c1936ebede8a80762be99cc3aa52de7ee8ffe423b48fdd94c4ecffb7b22e3b7a					L	
	External identifiers			L			
	Parent classification code String200 119.005.001.001.001-2016-00005						
	Custom metadata sectio	n.					
	Attribute	Туре	Value			L	
	Email metadata section.					l	
	Attribute	Туре	Value			L	
1	Physical content metada	ata section.	-			l	
	Attribute	Туре	Value				
	Transfer metadata secti	on.	'			l	
	Attribute	Туре	Value				
	Content list section.						
	Security settings section	ι.					
oe text to find.		_					

Image 109: Example document print preview

The »System property section« is the section of the printout related to the system metadata of the document. It is predefined and contains the following data:

- Classification code.
- Id of the entity.
- Type of entity.
- Created date and time.

- Modified last date and time.
- Accessed last date and time.
- Parent classification code.
- Title of the entity.
- Description.
- Keywords.

For each individual entity, the user specifies which user added metadata will be printed out in the »Metadata section«. The »Content list section« is the section of the printout related to document information. It contains the following data:

- Description.
- Extension.
- Content type.
- Size in bytes.
- Inserted date and time.
- Modified last date and time.
- Accessed last date and time.

The security settings that are printed out are the following:

- Subject.
- Group.
- Description.
- Permission type.
- Read permission.
- Write permission.
- Move permission.
- Delete permission.
- Modify security permission.
- Create entities permission.
- Valid from date.
- Valid to date.

The physical content metadata section contains the following information:

- Identifier.
- Description.
- Content status.
- Status changed date.
- Home location.
- Current location.
- Custodian.
- Date of expected return of checked out content.

The email metadata section of the printout contains the following information:

- Subject of email, which is also the title of the document.
- Date.
- From.
- To.
- To CC.
- To BCC.
- Priority.
- Message id.

4.2.10.4 Printing the classes of the classification scheme

Before printing, select a class whose classification scheme (all the child classes contained inside) you wish to print. If an archive server is selected, the printed list will include classes contained by the entire classification scheme.

Select a class in the top right view, or an archive server in the left view of Windows Explorer. By choosing a class or an archive server and right-clicking it, you will open a popup menu where you can choose »Print« and then »Classification scheme«.

Reports +	
Print 🕨	Class
Actions 🕨	Classification scheme
Search	Classification scheme with folders



A »Print preview« window then appears, where the S »Print« command is used to select a printer and print the preview. You can cancel the printing procedure by closing the preview window.

me ClassSchemaPrint			19.10.2016 10:06
	r class "Root - IMiS/ARChiv	ve Server"	19/10/10/10 10/00
Classification code	Title	Created	
01	Administration	11. 01. 2016 16:01:33	
01.01	Company Documentation	11. 01. 2016 16:05:27	
01.01.01	Company Formation	11. 01. 2016 16:05:59	
01.01.02	Agreements and Terms & Conditions	11. 01. 2016 16:06:41	
01.02	Correspondence	11. 01. 2016 16:07:15	
01.02.01	Documents	11. 01. 2016 16:07:35	
01.02.02	Emails	11. 01. 2016 16:07:49	
01.02.03	Audio and Video	11. 01. 2016 16:08:07	
01.02.04	Web	11. 01. 2016 16:08:15	
01.02.05	Social Networks	11. 01. 2016 16:08:37	
01.03	Organizational Structure	11. 01. 2016 16:09:04	
01.03.01	Authorities	11. 01. 2016 16:09:22	
01.03.02	Business Roles	11. 01. 2016 16:09:38	
01.03.03	Tasks and Activities	11. 01. 2016 16:09:58	
01.03.04	Licenses in use	11. 01. 2016 16:10:21	
01.04	Travel Documentation	11. 01. 2016 16:10:45	
01.04.01	Travel Agency Agreements	11. 01. 2016 16:11:15	
01.04.02	Travel Agency Offers	11. 01. 2016 16:11:49	

Image 111: Example classification scheme print

The printout of the classification scheme includes the following information in separate columns:

- Classification code.
- Title.
- Created time and date.

4.2.10.5 Printing the classes and folders of the classification scheme

Before printing, user select a class whose classification scheme including folders (all the child classes and sub-folders) user wish to print. If an archive server is selected, the printed list will include the classes and folders of the entire classification scheme.

Select a class in the top right view, or an archive server in the left view of Windows Explorer. By choosing a class or archive server and right-clicking it, you will open a popup menu where you can choose »Print« and then »Classification scheme with folders«.

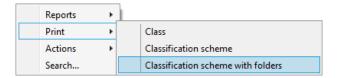


Image 112: Selection of classification scheme printing options

A »Print preview« window then appears, where the 🔊 »Print« command is used to select a printer and print the preview. You can cancel the printing procedure by closing the preview window.

0, 0, 🔛 🗄				
int name ClassSchema	Print			19.10.2016 10:12:22
Class	ification scheme wi	th folders for class "Root -]	IMiS/ARChive Server"	
C	lassification code	Title	Created	
01		Administration	11. 01. 2016 16:01:33	
01.01		Company Documentation	11. 01. 2016 16:05:27	
01.01.0	1	Company Formation	11. 01. 2016 16:05:59	
01.01.0	1-2016-000001	Farewell Dinner for Cliff Baxter - Brennan's - Ballroom B	31. 05. 2001 21:00:00	
01.01.0	1-2016-000002	Mtg w/ John Thompson - EB3324	17. 05. 2001 17:30:00	
01.01.0	1-2016-000003	CSFB: Energy Technology Bulletin - Issue 64 (Bush National Energy Policy View)	17. 05. 2001 18:15:00	
01.01.0	1-2016-000004	Latin American Energy Crisis Conference Call	17. 05. 2001 17:44:00	
01.01.0	1-2016-000005	EES VaR Report for 05-16-01	17. 05. 2001 10:55:00	
01.01.0	1-2016-000006	Tax Review of California Senate Bill No. 1	17. 05. 2001 17:21:00	
01.01.0	1-2016-000007	Mtg w/David Oxley - EB3324	18. 05. 2001 13:00:00	
01.01.0	1-2016-000008	EES VaR Report for 05-17-01	18. 05. 2001 10:52:00	
01.01.0	1-2016-000009	ENE: Reiterate Buy; Believe Leadership Still Intact	18. 05. 2001 20:04:00	
01.01.0	1-2016-000010	ILA: Initiating Coverage of a Pure- Play Energy Merchant	21. 05. 2001 10:27:00	
01.01.0	1-2016-000012	EES VaR Report for 05-18-01	21, 05, 2001 10:23:00	

Image 113: Example classification scheme with folders print from the preview

The printout of the classification scheme contains the following information in separate columns:

- Classification code.
- Title.
- Created date and time.

4.2.10.6 Printing reviews of the review process

Prior to printing, the user selects the review under which he will be printing the reviews. Each review created is located in the »Reviews« folder contained in the »Administration« system folder. This folder can only be accessed by users who have been assigned the »Review« role. For more information on roles <u>see chapter 4.7 Roles</u>.

By right-clicking on the selected review, the user is shown a pop-up menu. The user selects the »Print - Review« command.

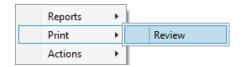


Image 114: Selecting the option of printing reviews

The Print preview window appears in which the user selects the printer by selecting the »Print« command and prints the preview. If the user wishes to cancel the printing procedure, he closes the preview window.

	ame ReviewRetentionPrint			0.2016 10:15:12				
Print na	Print list for review "2016-000002 201610 review - 10 years" Policy: 10 Years Reason: Dispose after 10 years of retention Description: Records must be kept 10 years from the end of the year when they were closed							
	Classification code	Title	Туре					
	01.01.01-2016-000016	Mtg w/David Cox - EB3324	Folder					
	01.01.01-2016-000022	New Products and Country for week ending 05/18/01	Folder					
	01.01.01-2016-000030	Mtg w/Matthew Scrimshaw	Folder					
	01.01.01-2016-000041	Presentation from Kaminski's Group "The Did & Ask Spread" (Jimbaek Kim) w/Vince	Folder					
	01.01.01-2016-000042	Followup w/Mary Joyce & David Oxley	Folder					
	01.01.01-2016-000048	Mtg w/Markus Fiala & Derek Lee - Re: Credit - EB3324	Folder					
	01.01.01-2016-000052	Alpha Car to collect you @ 8:47p.m. for home (281 922 4449) Arrive Houston on Cont# 1107	Folder	_				
	01.01.01-2016-000057	A/V Equip Prep - 2nd floor - Grand Ballroom (if you miss this appt. stop	Folder					

Image 115: Example of printing selected entities classified by retention policies

Printouts differ depending on the type of review. With »Regular« reviews lists of entities included in the review are sorted by retention periods.

The printout of retention periods contains the following data for each retention period:

- »Policy«: title of the retention period.
- »Reason«: the reason for creating a retention period.
- »Description«: a short description of the retention period.

With »Ad hoc« reviews list of entities for the selected query is displayed.

It includes the following data:

- »Query«: an expression for searching entities included in the review.
- »Description«: a brief description of the review.
- »Comments«: an entry of various comments, explanations and other information connected to the review process.

🐂 Prin	t preview			- 🗆 X
4	0. 0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			-
	Print name ReviewRetentionPrint		19.	10.2016 10:37:15
	Print list for review "2016 Query: [sys:Owner] = "gla Description: ad-hoc review fo	-000007 Review: Owner	= Grace Layton"	
	Classification code	Title	Туре	,
	01.01.01-2016-000036	Mtg w/Fallon - RE: Retention	Folder	
	01.01.01-2016-000048	Mtg w/Markus Fiala & Derek Lee - Re: Credit - EB3324	Folder	
	01.01.01-2016-000058	Driver @ gate to take you to conference - Delaware Limousine (312-337-2800)	Folder	
	01.01.02-2016-000020	Enron Suite & Tickets - Houston Cougar Basketball	Folder	
	01.01.02-2016-000045	Meeting w/Ted Murphy - EB2751	Folder	1
	01.01.02-2016-000048	Re: EnronOnline's Wireless offering	Folder	
:	01.01.02-2016-000051	Meeting on Gas VAR w/Skilling & Buy - EB5007	Folder	
	01.02.01-2016-000002	Feedback on Open Communications Floor Meeting	Folder	
	01.02.01-2016-000056	Re:	Folder	
	01.02.02-2016-000001	DEFERRAL PROGRAM ENROLLMENT DEADLINE IS FRIDAY	Folder	
	02.01.01-2016-000009	Meeting w/Joe Gold	Folder	~
Type te	xt to find	8	•	_

Image 116: Example of printing selected entities for the selected query

A list of selected entities is printed for each review, which contains the following data:

- »Classification code« of the selected entity.
- »Title« of the selected entity.
- »Type« of the selected entity (class, folder, document).

4.2.11 Import

The IMiS[®]/Client enables the import of entities to the IMiS[®]/ARChive Server together with their metadata. Entities, which can only be imported by a user who has the »ImportExport« permission (role), must be prepared in the prescribed XML form.

Import may be performed into the root class of the classification scheme or into any chosen class or folder. For more information on the import file format and file structure <u>see chapter</u> <u>3.2 Format of the import / export file</u>. More info on server roles / permissions is found in the IMiS[®] /ARChive Server manual chapter 3.3.5 Access.

Select an archive server in the left view of Window Explorer.

If you wish to perform import into a class or folder, select it in the classification scheme or in the list of entities. By selecting an archive, a class or a folder and right clicking,

you will open a popup menu where you can choose »Actions« and then the »Import« command (user must have »Transfer« permission (role) on the archive server).

Collapse		
Reports	>	
Print	>_	
Actions	>	Import
Search		Export
Preferences	L	
Configure		
Remove archive		
Log out		

Image 117: Importing content via the popup menu

After choosing »Import«, you will receive the »Select file for import« dialog box, where you select the XML file with the list of entities you wish to import.

In case the list was obtained by using the »Export« or »Transfer« commands, the XML's name will be »ExportReport«.

Clipboard Organize New Open Select Windows10_PC > Local Disk (C:) > Temp > Export Downloads Music Pictures Pictures Videos ExportData 14. 10. 2016 16:20 Text Document 1KB ExportReport_ERROR 17. 10. 2016 16:20 Text Document 0 KB PerfLogs Program Files Program Files Program Files Program Files Program Files Program Files Vintual Machines Windows Music Network Artchives 	🔜 📝 📴 🖛 Export				- 🗆 X
Pin to Quick Copy Paste Copy path Paste shortkut Yor Organize New Open Cipboard Organize New Open Select none Properties File File File Music Name Date modified Type Size Music ExportReport 17. 10. 2016 16:20 Test Document 4.88 Videos ExportReport_ERROR 17. 10. 2016 16:20 Test Document 0.88 Data Documents Intel ExportReport_ERROR 17. 10. 2016 16:20 Test Document 0.88 Program Files Program Files Program Files File Size Size Size Program Files Program Files Users Virtual Machines Virtual Machines Virtual Machines Virtual Machines Virtual Machines Virtual Machines Windows Windows Network Archives Virtual Machines Virtual Machines Virtual Machines	File Home Share View				~ 🤇
 ← → • ↑ ● > Windows10_PC > Local Disk (C:) > Temp > Export ↓ Downloads ↓ Music ▶ Date modified ↓ Type Size ▶ Marne ▶ Date modified ↓ Type Size ▶ Bic folder ▶ ExportBeport 17. 10. 2016 16:20 Text Document ▶ Date Documents ▶ Intel ▶ Local Disk (C:) ▶ Data Documents ▶ Intel ▶ Lotus ▶ PerfLogs ▶ Program Files (x86) ▶ Virtual Machines ▶ Windows ♥ Network ♠ Archives 	Pin to Quick Copy Paste access	Move Copy Delete Rename New to to to folder	Easy access ▼	Properties	Select none
 Downloads Music Bit folder ExportBeport 17. 10. 2016 14:59 File folder ExportReport 17. 10. 2016 16:20 Text Document ExportReport_ERROR 17. 10. 2016 16:20 Text Document ExportReport_ERROR 17. 10. 2016 16:20 Text Document KB ExportReport_ERROR File folder KB ExportReport_ERROR File folder KB File folder KB KB			New		
Downloads ▶ Downloads Name Date modified Type Size ▶ Music ■ Pictures ■ ExportData 14. 10. 2016 14:59 File folder 1 KB ■ Videos 17. 10. 2016 16:20 Text Document 1 KB ■ Local Disk (C;) ■ ExportReport 17. 10. 2016 16:20 XML Document 4 KB ■ Documents ■ Intel ■ ExportReport_ERROR 17. 10. 2016 16:20 Text Document 0 KB ■ Porgram Files ● Porgram Files (x86) ■ Program Files (x86) ■ Program Tiles (x86) ■ Fire state of the state of th	$\leftarrow \rightarrow \checkmark \uparrow$ Windows10_PC > Lo			~ Č	Search Ex P
Pictures Videos Local Disk (C:) Data Documents Intel Lotus PerfLogs Program Files (x80) Program Files (x80) Program Files (x80) Program Files (x80) Import Import Import Import Virtual Machines Virtual Machines Windows	🖶 Downloads	↑ Name	Date modified	Туре	Size
Videos Uvideos Local Disk (C:) ExportReport 17. 10. 2016 16:20 XML Document 4 KB Data Documents Intel KB Lotus PerfLogs Videos Videos Videos Program Files Program Data Videos Vidual Machines Vidual Machines Viduas Viduas Viduas Viduas Viduas Viduas Viduas Viduas Viduas Viduas	👌 Music	ExportData	14. 10. 2016 14:59	File folder	
Local Disk (C:) Data Dota Documents Intel Lotus PerfLogs Program Files (x80) Program Data Authenticity evidence Export Mumport Transfer Virtual Machines Virtual Machines Windows Network Archives	Pictures	ExportReport	17. 10. 2016 16:20	Text Document	1 KB
 Data Data Documents Intel Lotus PerfLogs Program Files (x86) Program Data Temp Authenticity evidence Export Import Transfer Users Virtual Machines Virtual Machines Windows Ptowork Archives 	😝 Videos		17. 10. 2016 16:20		4 KB
 Documents Intel Lotus PerfLogs Program Files (x86) Program Data ProgramData Temp Authenticity evidence Export Import Import Insfer Users Virtual Machines Virtual Machines Windows Windows Atchives 	🏪 Local Disk (C:)	ExportReport_ERROR	17. 10. 2016 16:20	Text Document	0 KB
	Intel Lotus PerfLogs Program Files Program Data Temp Authenticity evidence Export Users Virtual Machines Virtual Machines Windows				

Image 118: Selection of the XML import list

The import procedure is started by choosing the »Open« command. It can be canceled by using the »Cancel« command.

Users finish the import procedure by selecting a digital certificate used to sign the XML report file according to the XML Signature standard. This ensures that the authenticity of the report, and the imported files themselves, can be verified.

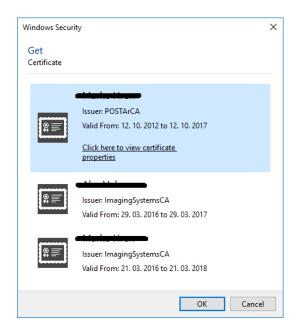


Image 119: Selecting a digital certificate when importing

<u>Warning</u>: Import will be successful even when the user does not select a digital certificate. If a digital certificate is not selected, the import record file will not be signed.

When the import procedure is completed, a popup window appears in the bottom right view of Windows Explorer showing the import success rate. For each entity type, the number of successfully imported entities is listed compared to the total number of entities in the import list. The import success rate popup stays open until you click anywhere outside it.

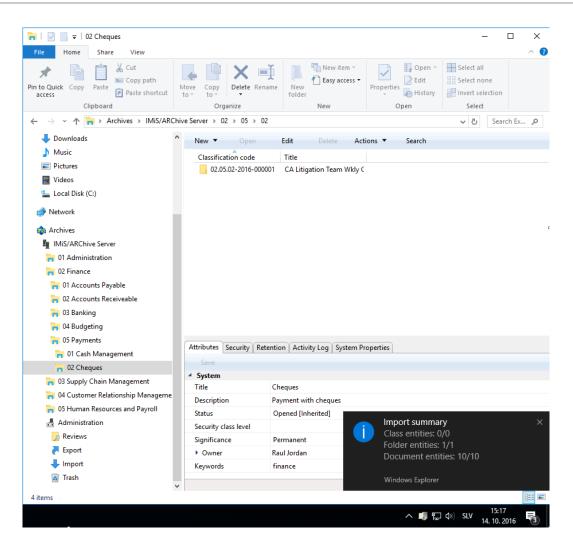


Image 120: Display of the import complete message with success rate statistics

By clicking on a pop-up window the user can display detailed information about the import (separate case).

2016-10-14T151621.3511276-0.200 - Importing document file "ExponDtatadocument, files". 2016-10-14T151621.3511278-0200 - Importing document files". 2016-10-14T151621.3511278-0200 - Importing document files". 2016-10-14T151621.470622-0200 - Importing document files". 2016-10-14T151621.470622-0200 - Importing document files". 2016-10-14T151621.470622-0200 - Importing document files". 2016-10-14T151621.3523908-0200 - Importing document files". 2016-10-14T151621.3593972+0200 - Importing document files". 2016-10-14T151621.3593972+0200 - Importing document files". 2016-10-14T151621.3593972+0200 - Importing document files". 2016-10-14T151622.1593974-0200 - Importing document file "ExportDatadocument". 2016-10-14T151622.1593974-0200 - Importing document file "ExportDatadocument". 2016-10-14T151622.1593974-0200 - Importing document file "ExportDatadocument". 2016-10-14T151622.033571-0200 - Importing document file "ExportDatadocument". 2016-10-1	👜 Import details		-		\times
016-10-117151620.674097-02:00 - Imported 02.01.01-2016-00001 "CA Lifugation Team Wky Conf Call" (02.01.01-2016-00001) into "02.05.02-2016-000001". 016-10-147151620.624381-02:00 - Imported 02.01.01-2016-00001/000001 "Risk contact" (02.01.01-2016-00001) into "02.05.02-2016-00001/000001". 016-10-147151620.824381-02:00 - Imported 02.01.01-2016-00001/000001 "Risk contact" (02.01.01-2016-00001/000001) into "02.05.02-2016-00001/000001". 016-10-147151620.824381-02:00 - Imported 02.01.01-2016-00001/000001 "Risk contact" (02.01.01-2016-000001/000002) into "02.05.02-2016-00001/000002". 016-10-147151620.986876-02:00 - Imported 02.01.01-2016-00001/000007 "Risk contact" (02.01.01-2016-00001/000003) into "02.05.02-2016-00001/000003". 016-10-147151621.140302:4020 - Imported 02.01.01-2016-00001/000007 "Risk contact" (02.01.01-2016-00001/000003] into "02.05.02-2016-00001/000003". 016-10-147151621.1412302:4020 - Importing document file "ExportData/document_Sxml". 016-10-147151621.1412374-0200 - Importing document file "ExportData/document_Sxml". 016-10-147151621.372764.2000 - Importing document file "ExportData/document_Sxml". 016-10-147151621.3728042.0200 - Importing document file "ExportData/document_Sxml". 016-10-147151621.3728042.0200 - Importing document file "ExportData/document_Sxml". 016-10-147151621.3728042.0200 - Imported 02.01.01-2016-00001/000005" Management Report 02/29/0" (02.01.01-2016-00001/000005) into "02.05.02-2016-00001/000006". 016-10-147151621.3728042.0200 - Imported 02.01.01-2016-00001/000005" Management Report 02/29/0" (02.01.01-2016-00001/000005) into "02.05.02-2016-00001/000006". 016-10-147151621.3728042.0200 - Imported 02.01.01-2016-00001/000005" Management Report 02/29/0" (02.01.01-2016-00001/000005) into "02.05.02-2016-00001/000006". 016-10-147151621.3728042.0200 - Imported 02.01.01-2016-00001/000005" Management Report 02.75.02-2016-00001/000007". 016-10-147151621.37284042.000 - Imported 02.01.01-2016-00001/000005" Receptory Charles K11/19/9" (02.01.01-2016-00001/000007]. 016-10-147151	016-10-14T15:16:20.5307708+02:00 - I	mporting retention file "ExportData\retention_and_disposition_12.xml".			_
2016-10-14115:1620.6784080-02.00 - Imported Q2.01.01-2016-000001/000001 "Kik contact" (Q2.01.01-2016-000001/000001). into "Q2.05.02-2016-000001/000001". 2016-10-14115:1620.29483451-02.00 - Imported Q2.01.01-2016-00001/000002 "What have you done to achieve the list" (Q2.01.01-2016-00001/000002]. into "Q2.05.02-2016-000001/000002". 2016-10-14115:1620.39483451-02.00 - Imported Q2.01.01-2016-00001/000003 "Please, take a lock" (Q2.01.01-2016-00001/000003) into "Q2.05.02-2016-000001/000003". 2016-10-14115:162.03948836-02.00 - Imported Q2.01.01-2016-000001/000003 "Please, take a lock" (Q2.01.01-2016-00001/000003]. into "Q2.05.02-2016-000001/000003". 2016-10-14115:162.1140237-02.00 - Imported Q2.01.01-2016-000001/000004 "Mtg. wf). Smither, P. Gonzales EBISC2" (Q2.01.01-2016-00001/000004]. 2016-10-14115:162.13611278-0200 - Imported Q2.01.01-2016-000001/000005 "Management Report Q2.29/90" (Q2.01.01-2016-00001/000005) into "Q2.05.02-2016-00001/000004". 2016-10-14115:162.13611278-0200 - Imported Q2.01.01-2016-00001/000005 "Management Report Q2.29/90" (Q2.01.01-2016-00001/000005) into "Q2.05.02-2016-00001/000005". 2016-10-14115:162.1361278-0200 - Imported Q2.01.01-2016-00001/000005 "Management Report Q2.29/90" (Q2.01.01-2016-00001/000005) into "Q2.05.02-2016-00001/000005". 2016-10-14115:162.1361278-0200 - Imported Q2.01.01-2016-00001/000005 "Management Report Q2.29/90" (Q2.01.01-2016-00001/000005) into "Q2.05.02-2016-00001/000005". 2016-10-14115:162.1361278-0200 - Imported Q2.01.01-2016-000001/000005" Management Report Q2.29/90" (Q2.01.01-2016-00001/000006) into "Q2.05.02-2016-00001/000006". 2016-10-14115:162.1357284-0200 - Imported Q2.01.01-2016-00001/000007" Readfast meeting w/ Joe Hillings @ Hyatt" (Q2.01.01-2016-00001/000007) into "Q2.05.02-2016-00001/000007". 2016-10-14115:162.1357284-0200 - Imported Q2.01.01-2016-000001/000007 "Freadfast meeting w/ Joe Hillings @ Hyatt" (Q2.01.01-2016-00001/000007) into "Q2.05.02-2016-00001/000007". 2016-10-14115:162.21650727-0200 - Imported Q2.01.01-2016-000001/000007 "Freadfast meet	2016-10-14T15:16:20.5307708+02:00 - II	mporting folder file "ExportData\folder 1.xml".			
2016-10-14115:1620.2813825-02:00 - Imported 02.01.01-2016-00001/000001 "Risk context" (02.01.01-2016-00001/000001) into "02.05.02-2016-000001/000001". 2016-10-14115:1620.28138215-02:00 - Imported 02.01.01-2016-00001/000002 "What have you done to achieve the list?" (02.01.01-2016-000001/000002) into "02.05.02-2016-000001/000003". 2016-10-14115:1620.988888-02:00 - Importing document file "ExportData/document_4.xml". 2016-10-14115:1621.012075-02:00 - Importing document file "ExportData/document_4.xml". 2016-10-14115:1621.1140323-02:00 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.1141231-2000 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.1141231-2000 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.1141231-2000 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.2111278-02:00 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.211278-02:00 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.21780-02:00 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.21780-02:00 - Importing document file "ExportData/document_5.xml". 2016-10-14115:1621.21522840-02:00 - Imported 02.01.01-2016-000001/000005 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-00001/000006], into "02.05.02-2016-000001/000006". 2016-10-14115:1621.5152840-62:00 - Imported 02.01.01-2016-00001/000005 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-00001/000007), into "02.05.02-2016-000001/000006". 2016-10-14115:1621.515372840-62:00 - Imported 02.01.01-2016-00001/000007" Breatfast meeting w/ Jee Hillings @ Hyatt" (02.01.01-2016-00001/000007], into "02.05.02-2016-00001/000007". 2016-10-14115:1621.215372840-20:00 - Imported 02.01.01-2016-00001/000007" Breatfast meeting w/ Jee Hallings @ Hyatt" (02.01.01-2016-00001/000007], into "02.05.02-2016-00001/000007". 2016-10-14115:1621.203374145-02:00 - Imported 02.01.01-2016-00001/000007" Breatfast meeting w/ Jee Hillings @ H	2016-10-14T15:16:20.6734057+02:00 - Ii	mported 02.01.01-2016-000001 "CA Litigation Team Wkly Conf Call" (02.01.01-2016-000001) into "02.05.02-2016-000001".			
2016-10-14115:1620.3989376-02:00 - Imported 02.01.10-2016-000001/00002 "Math have you done to achieve the list?" (02.01.01-2016-000001/000002) into "02.05.02-2016-000001/000002". 2016-10-14115:1620.9989376-02:00 - Imported 02.01.01-2016-000001/000003 "Please, take a look" (02.01.01-2016-00001/000003) into "02.05.02-2016-000001/000003". 2016-10-14115:1621.1162075-02:00 - Imported 02.01.01-2016-000001/000003 "Please, take a look" (02.01.01-2016-00001/000003) into "02.05.02-2016-000001/000003". 2016-10-14115:1621.1162075-02:00 - Imported 02.01.01-2016-000001/000003 "Please, take a look" (02.01.01-2016-00001/000004] into "02.05.02-2016-00001/000004". 2016-10-14115:1621.1162075-02:00 - Imported 02.01.01-2016-000001/000005 "Management Report 02/29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-00001/000005". 2016-10-14115:1621.1470622-02:00 - Imported 02.01.01-2016-000001/000005 "Management Report 02/29/00" (02.01.01-2016-00001/000005) into "02.05.02-2016-00001/000005". 2016-10-14115:1621.1470622-02:00 - Imported 02.01.01-2016-00001/000005 "Management Report 02/29/00" (02.01.01-2016-00001/000006) into "02.05.02-2016-00001/000005". 2016-10-14115:1621.3161278-02:00 - Imported 02.01.01-2016-00001/000006 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-00001/000006) into "02.05.02-2016-00001/000006". 2016-10-14115:1621.3153284-02:00 - Imported 02.01.01-2016-00001/000007 "Breakfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-00001/000007) into "02.05.02-2016-00001/000007". 2016-10-14115:1621.1630173-02:00 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-00001/000007) into "02.05.02-2016-00001/000007". 2016-10-14115:1621.1630174-02:00 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000007) into "02.05.02-2016-00001/000007". 2016-10-14115:1622.033871+42:00 - Imported 02.01.01-2016-000001/000007 "Freakfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/000008	2016-10-14T15:16:20.6764080+02:00 - Ii	mporting document file "ExportData\document_2.xml".			
2016-10-14115:16:20.998987-0:200 - Imported 22.01.01-2016-000001/000002 "What have you done to achieve the list?" (02.01.01-2016-00001/000002] into "02.05.02-2016-000001/000002". 2016-10-14115:16:20.998886-0:200 - Importing document file "ExponDataIdocument_4.xml". 2016-10-14115:16:21.118/2075-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.118/2075-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.138/2078-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.138/2078-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.138/2078-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.337246-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.339174-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.3391745-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:21.3391745-0:200 - Importing document file "ExponDataIdocument_5.xml". 2016-10-14115:16:22.339174-0:200 - Importing document file "ExponDataIdocument_5.xml	2016-10-14T15:16:20.8213825+02:00 - In	mported 02.01.01-2016-000001/000001 "Risk contact" (02.01.01-2016-000001/000001) into "02.05.02-2016-000001/000001".			
2016-10-14T15:f623.958868-02:00 - Importing document file "ExportDataldocument_4.mm". 2016-10-14T15:f623.1140232-02:00 - Imported 02.01.01-2016-000001/00003 "Hese, take a lock" (02.01.01-2016-00001/000003) into "02.05.02-2016-00001/000003". 2016-10-14T15:f623.1142025-02:00 - Importing document file "ExportDataldocument_5.xml". 2016-10-14T15:f623.13691265-02:00 - Imported 02.01.01-2016-00001/000005 "Management Report 02/29/00" (02.01.01-2016-00001/000005) into "02.05.02-2016-00001/000005". 2016-10-14T15:f623.13691262-02:00 - Importing document file "ExportDataldocument_5.xml". 2016-10-14T15:f623.1369126-02:00 - Importing document file "ExportDataldocument.5.xml". 2016-10-14T15:f623.13691262-02:00 - Importing document file "ExportDataldocument.5.xml". 2016-10-14T15:f623.1369126-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.136924-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.1359246-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.13693246-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.13693246-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.13693247-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.1359347-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f623.735847-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f622.70117-02:00 - Importing document file "ExportDataldocument.7.xml". 2016-10-14T15:f622.703176-70:00 -	2016-10-14T15:16:20.8243851+02:00 - li	mporting document file "ExportData\document_3.xml".			
2016-10-141715/f621.1142023-02:00 - Imported 02.01.01-2016-00001/000003 "Please, take a look" (02.01.01-2016-00001/000003] into "02.05.02-2016-000001/000003". 2016-10-14175/f621.1162070-02:00 - Imported 02.01.01-2016-00001/000004 "Mrg. w/ J. Smither, P. Gonzales EB15C2" (02.01.01-2016-00001/000004] into "02.05.02-2016-000001/000004". 2016-10-14175/f621.3161728-02:00 - Imported 02.01.01-2016-00001/000005 "Management Report 02.29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000005". 2016-10-14175/f621.4160376-02:00 - Imported 02.01.01-2016-000001/000005 "Management Report 02.29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000005". 2016-10-14175/f621.4361027-02:00 - Imported 02.01.01-2016-000001/000006 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14175/f621.4361027-02:00 - Imported 02.01.01-2016-000001/000006 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14175/f621.4361071-02:00 - Imported 02.01.01-2016-000001/000007". 2016-10-14175/f621.4361071-02:00 - Imported 02.01.01-2016-000001/000007". 2016-10-14175/f621.4361071-02:00 - Imported 02.01.01-2016-000001/000007". 2016-10-14175/f621.7391445-02:00 - Imported 02.01.01-2016-000001/000007". 2016-10-14175/f621.7391445-02:00 - Imported 02.01.01-2016-00001/000007". 2016-10-14175/f622.739147-02:00 - Imported 02.01.01-2016-00001/000007". 2016-10-14175/f622.739147-02:00 - Imported 02.01.01-2016-00001/000007". 2016-10-14175/f622.7391474-02:00 - Imported 02.01.01-2016-00001/000007". 2016-10-14175/f622.7391474-02:00 - Imported 02.01.01-2016-00001/00007". 2016-10-14175/f622.039367-02:00 - Imported 02.01.01-2016-00001/00007". 2016-10-14175/f622.039367-02:00 - Imported 02.01.01-2016-00001/00007". 2016-10-14175/f622.039367-02:00 - Imported 02.01.01-2016-00001/00007". 2016-10-14175/f622.070177-02:00 - Imported 02.01.01-2016-00001/00001". 2016-10-14175/f622.070177-02:00 - Imported 02.	2016-10-14T15:16:20.9968976+02:00 - In	mported 02.01.01-2016-000001/000002 "What have you done to achieve the list?" (02.01.01-2016-000001/000002) into "02.05.02-2016-000001/000002".			
2016-10-14T15:f621.1182075-02:00 - Imported 02.01.01-2016-000001/00004", Margueri L, Sumi", 2016-10-14T15:f621.3591265-02:00 - Imported 02.01.01-2016-000001/00005 "Management Report 02/29/00" (02.01.01-2016-000001/000004) into "02.05.02-2016-000001/000004", 2016-10-14T15:f621.359246-02:00 - Imported 02.01.01-2016-000001/00005 "Management Report 02/29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000006", 2016-10-14T15:f621.4720622-02:00 - Imported 02.01.01-2016-000001/000005 "Management Report 02/29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000006", 2016-10-14T15:f621.4720622-02:00 - Imported 02.01.01-2016-000001/000006" National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006", 2016-10-14T15:f621.5372846-02:00 - Imported 02.01.01-2016-000001/000007" Realfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000007) into "02.05.02-2016-000001/000007", 2016-10-14T15:f621.693728-02:00 - Imported 02.01.01-2016-000001/000007" Feadfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-00001/000007) into "02.05.02-2016-00001/000007", 2016-10-14T15:f621.693728-02:00 - Importing document file "ExponDataldocument, file", "ExponDataldocument, file, "ExponDataldocument, file, "ExponDataldocument, file", "ExponDataldocument, file, "File, "ExponDataldocument, file, "ExponDataldocument, file, "ExponDataldocument, file, "File, "ExponDataldocument, file, "File, "E	2016-10-14T15:16:20.9988868+02:00 - In	mporting document file "ExportData\document 4.xml".			
2016-10-14T15:16:21.319263-0:200 - Imported 02.0.110-2016-000001/00004 "Management Fayn". 2016-10-14T15:16:21.3391263-0:200 - Imported 02.0.110-2016-000001/00004 "Management Report 02/29/00" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:16:21.339284-0:200 - Imported 02.0.10-12016-000001/00005 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:16:21.3372846-0:200 - Imported 02.0.10-2016-000001/00005 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:16:21.3372846-0:200 - Imported 02.0.10-12016-000001/000006" "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:16:21.3372846-0:200 - Imported 02.0.10-12016-000001/000007" Realfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000007) into "02.05.02-2016-00001/000007". 2016-10-14T15:16:21.6390729-0:200 - Imported 02.0.10-12016-000001/000007" Feadfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000007) into "02.05.02-2016-00001/000008". 2016-10-14T15:16:21.639174-02:00 - Imported 02.0.10-12016-000001/000008" Focus Group mg, per Mary Clark EB 49C4" (02.01.01-2016-00001/000008) into "02.05.02-2016-00001/000008". 2016-10-14T15:16:22.139371-02:00 - Imported 02.0.10-12016-000001/000008". 2016-10-14T15:16:22.039371-02:00 - Imported 02.0.10-12016-000001/000009" FVI: BACC EVent, Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-00001/000008". 2016-10-14T15:16:22.039371-02:00 - Imported 02.01.01-2016-000001/000009" FVI: BACC EVent, Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-00001/000009". 2016-10-14T15:16:22.0395010-02:00 - Imported 02.01.01-2016-000001/00009" FVI: BACC EVent, Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-00001/000009" FVI: BACC EVent, Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-00001	2016-10-14T15:16:21.1142032+02:00 - In	mported 02.01.01-2016-000001/000003 "Please, take a look" (02.01.01-2016-000001/000003) into "02.05.02-2016-000001/000003".			
2016-10-14T15:f621.3611278-02:00 - Importing document file "ExportData\document_faxm". 2016-10-14T15:f621.378248-02:00 - Imported 02.01.10-2016-000001/00005" Nationagement Report 02/29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000005". 2016-10-14T15:f621.378248-02:00 - Imported 02.01.01-2016-000001/000005" Nationagement Report 02/29/00" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:f621.3372846-02:00 - Imported 02.01.01-2016-000001/000007" Realfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:f621.3372846-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.3372846-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.5372946-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.630719-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.794777-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.794774-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f622.794774-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f622.794745-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f622.035871+02:00 - Importing document file "	2016-10-14T15:16:21.1162075+02:00 - In	mporting document file "ExportData\document 5.xml".			
2016-10-14T15:f621.3611278-02:00 - Importing document file "ExportData\document_faxm". 2016-10-14T15:f621.378248-02:00 - Imported 02.01.10-2016-000001/00005" Nationagement Report 02/29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000005". 2016-10-14T15:f621.378248-02:00 - Imported 02.01.01-2016-000001/000005" Nationagement Report 02/29/00" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:f621.3372846-02:00 - Imported 02.01.01-2016-000001/000007" Realfast meeting w/ Joe Hillings @ Hyat" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14T15:f621.3372846-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.3372846-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.5372946-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.630719-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.794777-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f621.794774-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f622.794774-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f622.794745-02:00 - Importing document file "ExportData\document_&xm". 2016-10-14T15:f622.035871+02:00 - Importing document file "	2016-10-14T15:16:21.3591265+02:00 - In	mported 02.01.01-2016-000001/000004 "Mtg. w/ J. Smither, P. Gonzales EB15C2" (02.01.01-2016-000001/000004) into "02.05.02-2016-000001/000004".			
2016-10-14115:16:21.4340632-02:00 - Importing document file "ExportDatat/document", 2xml". 2016-10-14115:16:21.532928-02:00 - Imported 02.01.01-2016-000001/000006 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14115:16:21.532728-46-02:00 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyatt" (02.01.01-2016-000001/000007) into "02.05.02-2016-000001/000007". 2016-10-14115:16:21.630729-02-00 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyatt" (02.01.01-2016-000001/000007) into "02.05.02-2016-000001/000007". 2016-10-14115:16:21.0580729-02-00 - Imported 02.01.01-2016-000001/000008 "Focus Group mtg. per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14115:16:22.0358371-02:00 - Imported 02.01.01-2016-000001/000009 "FVI: BACC Event; Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/000008". 2016-10-14115:16:22.0358371-02:00 - Importing document file "ExpontDatat/document_11.xml". 2016-10-14115:16:22.0358371-02:00 - Importing document file "ExpontDatat/document_11.xml". 2016-10-14115:16:22.0701176-02:00 - Importing document file "ExpontDatat/document_11.xml". 2016-10-14115:16:22.0701176-02:00 - Importing document file "ExpontDatat/document_11.xml". 2016-10-14115:16:22.0701176-02:00 - Importing document file "ExpontDatat/document_11.					
2016-10-14115:16:21.352204-0:200 - Imported 02.01.01-2016-000001/000006 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006". 2016-10-14115:16:21.352304-0:200 - Importing document file "ExponDtatablocument.8.xml". 2016-10-14115:16:21.630723-0:200 - Importing document file "ExponDtatablocument.8.xml". 2016-10-14115:16:21.630723-0:200 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyatt" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14115:16:21.630723-0:200 - Imported 02.01.01-2016-000001/000008 "Focus Group mg, per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14115:16:21.73914745-0200 - Imported 02.01.01-2016-000001/000008 "Focus Group mg, per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14115:16:22.033571-0200 - Imported 02.01.01-2016-000001/000008 "Focus Group mg, per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14115:16:22.033571-0200 - Imported 02.01.01-2016-000001/000008 "Focus Group mg, per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14115:16:22.033571-0200 - Imported 02.01.01-2016-000001/000001". Ballance sheet" (02.01.01-2016-000001/00001] into "02.05.02-2016-000001/00009) into "02.05.02-2016-000001/00001". 2016-10-14115:16:22.030510-02:00 - Imported 02.01.01-2016-000001/00001" Ballance sheet" (02.01.01-2016-000001/00001] into "02.05.02-2016-000001/00001". Class entities: CK(1) Fail(0)	2016-10-14T15:16:21.4720622+02:00 - Ii	mported 02.01.01-2016-000001/000005 "Management Report 02/29/00" (02.01.01-2016-000001/000005) into "02.05.02-2016-000001/000005".			
2016-10-14T15:1621.3572446-02:00 - Importing document file "ExportDataldocument 9.xml". 2016-10-14T15:1621.6510713-02:00 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyatt" (02.01.01-2016-000001/000007) into "02.05.02-2016-000001/000007". 2016-10-14T15:1621.650729-02:00 - Imported 02.01.01-2016-000001/000008 "Focus Group mtg. per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-14T15:1622.053571-02:00 - Imported 02.01.01-2016-000001/000009 "FVI: BACC Event, Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009". 2016-10-14T15:1622.0355871-02:00 - Importing document file "ExportDataldocument 1.xml". 2016-10-14T15:1622.0355871-02:00 - Importing document file "ExportDataldocument 1.xml". 2016-10-14T15:1622.035871-02:00 - Importing document file "ExportDataldocument 1.xml". 2016-10-14T15:1622.035871-02:00 - Importing document file "ExportDataldocument 1.xml". 2016-10-14T15:1622.035871-02:00 - Importing document file "ExportDataldocument file" exportDataldocument file "ExportDataldocument file" exportDataldocument file "ExportDataldocument file" exportDataldocument file" file "Expo	2016-10-14T15:16:21.4740632+02:00 - In	mporting document file "ExportData\document_7.xml".			
2016-10-14T15:16:21.6610713-02:00 - Imported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyatt" (02.01.01-2016-000001/000007) into "02.05.02-2016-000001/000007". 2016-10-14T15:16:21.0530712-02:00 - Importing document file "ExponDataJdocument.9.xml". 2016-10-14T15:16:21.053177-02:00 - Importing document file "ExponDataJdocument.9.xml". 2016-10-14T15:16:21.053177-02:00 - Importing document file "ExponDataJdocument.9.xml". 2016-10-14T15:16:22.0335871-02:00 - Importing document file "ExponDataJdocument.10.xml". 2016-10-14T15:16:22.0335871-02:00 - Importing document file "ExponDataJdocument.11.xml". 2016-10-14T15:16:22.03358050-02:00 - Imported 02.01.01-2016-000001/000009 "FN: BACC Event Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/000009) into "02.05.02-2016-000001/000009) into "02.05.02-2016-000001/000009] FN: BACC Event Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/000009) into "02.05.02-2016-000001/000009] FN: BACC Event Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/00009] into "02.05.02-2016-000001/000009] into "02.05.02-2016-000001/000001] 2016-10-14T15:16:22.0315871-02:00 - Imported 02.01.01-2016-000001/00001] FN: BACC Event Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/00001] 2016-10-14T15:16:22.001178-00:00 - Imported 02.01.01-2016-000001/00001] into "02.05.02-2016-000001/000010". Class entities: OK(I) Fail(0)	2016-10-14T15:16:21.5352908+02:00 - In	mported 02.01.01-2016-000001/000006 "National Retail Federation - Per SK 11/19/97" (02.01.01-2016-000001/000006) into "02.05.02-2016-000001/000006".			
2016-10-141715;fic21.680729-02:00 - Importing document file "ExportDatatidocument 12xml", 2016-10-141715;fic21.7914745-02:00 - Imported 02.01.01-2016-000001/000008 "Focus Group mtg. per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-141715;fic21.7934777-02:00 - Imported 02.01.01-2016-000001/000009 "FVI: BACC Event, Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/000009) into "02.05.02-2016-00001/000009) into "02.05.02-2016-00001/000009) into "02.05.02-2016-00001/0000000000000000) into "02.05.02-2016-00001/000009) into "02.05.02-2016-000001/00000000000000000000000000000	2016-10-14T15:16:21.5372846+02:00 - Ii	mporting document file "ExportData\document_8.xml".			
2016-10-1411's1fs21.7914745-02:00 - Imported 02.01.01-2016-000001/000008 "Focus Group mtg. per Mary Clark EB 49C4" (02.01.01-2016-000001/000008) into "02.05.02-2016-000001/000008". 2016-10-1411's1fs22.03358371-02:00 - Importing document file "Expondbatadocument.10.xml". 2016-10-1411's1fs22.03358051-02:00 - Importing document file "Expondbatadocument.10.xml". 2016-10-1411's1fs22.03358051-02:00 - Importing document file "Expondbatadocument.11.xml". 2016-10-1411's1fs22.03358051-02:00 - Imported 02.01.01-2016-000001/000009 "FYI: BACC Event; Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/000009". 2016-10-1411's1fs22.03358051-02:00 - Imported 02.01.01-2016-000001/000001 "Ballance sheet" (02.01.01-2016-000001/000011) into "02.05.02-2016-000001/000010". Class entities: OK(1) Fail(0)	2016-10-14T15:16:21.6610713+02:00 - II	mported 02.01.01-2016-000001/000007 "Breakfast meeting w/ Joe Hillings @ Hyatt" (02.01.01-2016-000001/000007) into "02.05.02-2016-000001/000007".			
2016-10-14T15:f621.7934777-02:00 - Importing document file "ExportDataldocument, L0xml". 2016-10-14T15:f622.0335871-02:00 - Imported 02.01.01-2016-000001/000009 "FVI: BACC Event; Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/0000 2016-10-14T15:f622.0358050-02:00 - Imported 02.01.01-2016-000001/000001 "Ballance sheet" (02.01.01-2016-000001/000011) into "02.05.02-2016-000001/000010". 2016-10-14T15:f622.0351050-02:00 - Imported 02.01.01-2016-000001/000001 "Ballance sheet" (02.01.01-2016-000001/000011) into "02.05.02-2016-000001/000010". Class entities: OK(0) Fail(0) Folder entities: OK(1) Fail(0)	2016-10-14T15:16:21.6630729+02:00 - Ii	mporting document file "ExportData\document 9.xml".			
2016-10-14T15:16:22.0335871-02:00 - Imported 02.01.01-2016-000001/00009 "FVI: BACC Event; Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.02-2016-000001/00000000000000000000000000000					
2016-10-14T15:16:22.0356050-02:00 - Importing document file "ExportData\document_11.xml". 2016-10-14T15:16:22.071176-02:00 - Imported 02.01.01-2016-000001/000011 "Ballance sheet" (02.01.01-2016-000001/000011) into "02.05.02-2016-000001/000010". Class entities: OK(0) Fail(0) Folder entities: OK(0) Fail(0)					
2016-10-14T15:16:22.0701176-02:00 - Imported 02.01.01-2016-000001/000011 "Ballance sheet" (02.01.01-2016-000001/000011) into "02.05.02-2016-000001/000010". Class entities: OK(1) Fail(0) Folder entities: OK(1) Fail(0)	2016-10-14T15:16:22.0335871+02:00 - II	mported 02.01.01-2016-000001/000009 "FYI: BACC Event; Presentation/Reception; Charles Miller-Smith; London" (02.01.01-2016-000001/000009) into "02.05.0	2-2016-00	00001/0	00009
Class entities: OK(0) Fail(0) Folder entities: OK(1) Fail(0)					
Folder entities: OK(1) Fail(0)	2016-10-14T15:16:22.0701176+02:00 - Ii	mported 02.01.01-2016-000001/000011 "Ballance sheet" (02.01.01-2016-000001/000011) into "02.05.02-2016-000001/000010".			
	Class entities: OK(0) Fail(0)				
Document entities: OK(10) Fail(0)	Folder entities: OK(1) Fail(0)				
	Document entities: OK(10) Fail(0)				
Close				Cl	ose



<u>Warning</u>: When importing entities an error occurs »Empty security class not allowed« if the entity under which the user imports the entities doesn't have a set security class. The import of the entity is not carried out.

4.2.11.1 Import procedure

At the start of the import procedure, the IMiS[®]/Client creates a new document in the folder »Import« located in the »Administration« system folder. This document contains a report of the import to the archive server.

The title of the document is identical to the date and time of import, in ISO format. The status of the document is »Opened«.

During import, the import document is completed with the following three log files:

- »ImportReport.xml«: XML file that contains:
 - import success rate statistics
 - list of failed import attempts (including the classification codes)
 - list of successfully imported files (including the hash values and full classification codes).
- »ImportReport.txt«: contains a report for each successfully or unsuccessfully imported entity.
- »ImportReport_ERROR.txt«: contains a report for each failed import attempt including the reason for the import error

When all entities from the list are imported, the file »ImportReport.xml« is digitally signed with the selected digital certificate according to the XMLDSIG standard. This ensures that the report's authenticity can be verified.

The status of the document then changes to »Closed«.

If there is an error while the document is being completed, the import document remains in the system class in its raw form and has the status »Open«.

If there is an error during the import of an entity on the import list, the sub-entities it contains will not be imported. In case a sub-entity encounters an error, the other sub-entities will still be imported, providing the import of the parent entity was successful.

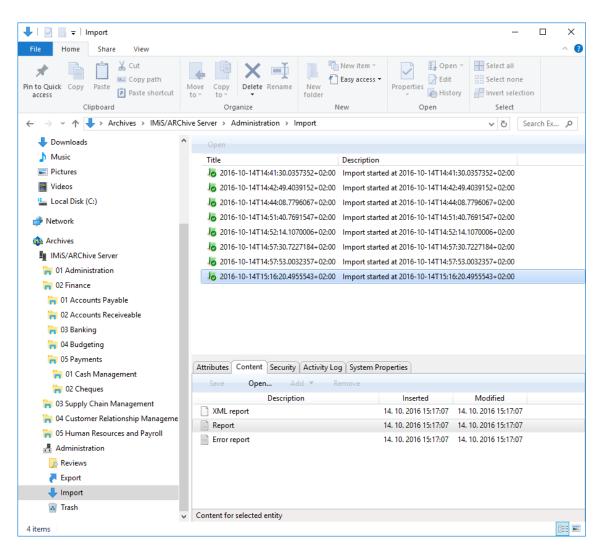


Image 122: Display of the import report in the »Import« system folder

4.2.12 Export

The IMiS[®]/Client enables the export of entities from the IMiS[®]/ARChive Server.

Users who have the »ImportExport« role can export the complete classification scheme or any of its individual parts. Each entity is exported with all its metadata and content, while export of the audit log and additional metadata is optional.

User-added metadata is not part of the entity's own metadata and is employed only for the purposes of the archiving procedure.

For more information on the export file format and file structure <u>see chapter 3.2 Format of</u> <u>the export / import file</u>.

For more information on server roles *see the IMiS[®]/ARChive Server user manual chapter 3.3.5 Access*. To begin exporting, select an archive server in the left view of Windows Explorer. If you wish to export a specific entity, first select it in the classification scheme or in the list of entities. When an archive or entity is selected, you can right click it to open a popup menu where you can choose »Actions« and then the »Export« command (user must have »ImportExport« role on the archive server).

Collapse		1
Reports	>	
Print	>	
Actions	>	Import
Search		Export
Preferences	[
Configure		
Remove archive		
Log out		

Image 123: Exporting records via the popup menu

After choosing the »Export« command, the user receives a dialog box for setting the export parameters.

🏨 Export dialog			_	\Box \times
Scope 02 Finance				
Options Recursive] Export	parents		
Include Classes V F	olders	✓ Documents	✓ Audit log	
Include metadata fi	le			
Export folder				
C:\Temp\Export				
			ОК	Cancel

Image 124: Export settings in the dialog box

In the »Scope« section, the user checks whether he wishes to export to the root class of the archive, or an entity currently selected in the classification scheme. The default classification code and title of the selected archive, class or folder means that, in addition to the selected entity, all other contained entities are exported too.

In the »Options« section, you can choose to additionally export:

- All the recursively contained entities »Recursive«.
- All the parent entities »Export parents«.

In the »Include« section, you can choose the types of entities to be included in the export:

- Classes
- Folders
- Documents.

By choosing »Audit log«, you can also export the audit log for individual exported entities.

By clicking the button »...« in the section »Include metadata file« the user opens a dialog box for the selection of an XML file with the additional metadata that should be included in the export. For a description of the structure of the additional metadata file <u>see chapter 3.2.3 Format of</u> <u>the additional metadata export file</u>.

By clicking the button »...« in the »Export folder« section, the user opens a popup window for the selection of the folder where entities in XML format will be exported.

The command »OK« begins the export procedure. The export can be cancelled using the »Cancel« command.

The export procedure is completed with the selection of a digital certificate used to sign the export report XML file using the XML Signature standard. This ensures that the authenticity of the report, and the exported files, can be verified.

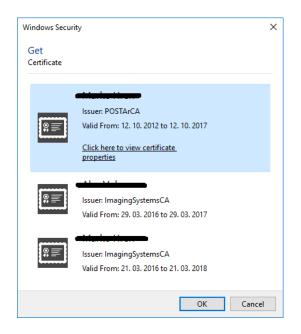


Image 125: Selecting a digital certificate when exporting

<u>Warning</u>: Export will be successful even when the user does not select a digital certificate. If a digital certificate is not selected, the export record file will not be signed.

When the export procedure is completed, a popup window appears in the bottom right view of Windows Explorer showing the export success rate. For each entity type, the number of successfully exported entities is listed compared to the total number of entities that were queued for export. The export success rate popup stays open until you click anywhere outside it.

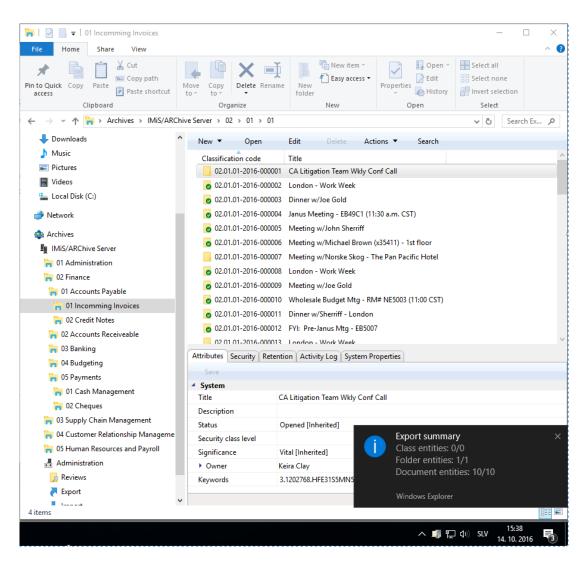


Image 126: Display of the export complete message with success rate statistics

By clicking on a pop-up window the user can display detailed information about the export (separate case).

🏟 Export details	_		\times
2016-10-14T15:02:38.332974+02:00 - Exported Folder "02.01.01-2016-000001" into file "C:\Temp\Export\ExportData\folder_1.xml". 2016-10-14T15:02:38.3372917+02:00 - Exported Document "02.01.01-2016-000001/000002" into file "C:\Temp\ExportData\docu 2016-10-14T15:02:38.5983806+02:00 - Exported Document "02.01.01-2016-000001/000003" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:38.5983806+02:00 - Exported Document "02.01.01-2016-000001/000003" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:38.7884509+02:00 - Exported Document "02.01.01-2016-000001/000003" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:38.988306+02:00 - Exported Document "02.01.01-2016-000001/000005" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.658601+02:00 - Exported Document "02.01.01-2016-000001/000005" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.658601+02:00 - Exported Document "02.01.01-2016-000001/000005" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.2496134+02:00 - Exported Document "02.01.01-2016-000001/000005" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.2496134+02:00 - Exported Document "02.01.01-2016-000001/000006" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.2496134+02:00 - Exported Document "02.01.01-2016-000001/000006" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.4327035+02:00 - Exported Document "02.01.01-2016-000001/000006" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.64017214+02:00 - Exported Document "02.01.01-2016-000001/000006" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.6957211+02:00 - Exported Document "02.01.01-2016-000001/000009" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.6957211+02:00 - Exported Document "02.01.01-2016-000001/000009" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.6957211+02:00 - Exported Document "02.01.01-2016-000001/000001" into file "C:\Temp\Export\ExportData\docu 2016-10-14T15:02:39.6957211+02:00 - Exp	ment_ ment_ ment_ ment_ ment_ ment_ ment_	3.xml". 4.xml". 5.xml". 6.xml". 7.xml". 8.xml". 9.xml". 10.xml".	
		Clo	ose



<u>Warning</u>: The user can export different entities into the selected export folder several times, without having to delete previous export files. When saving exported entities into the selected folder, the previous export files are overwritten.

4.2.12.1 Export procedure

At the start of the export procedure, the IMiS[®]/Client creates a new document in the folder »Export« located in the »Administration« system folder. This document contains a report on the export from the archive server.

The title of the document is identical to the date and time of export, in ISO format. The status of the document is »Opened«.

During exporting, the export document is completed with the following three log files:

- »ExportReport.xml«: XML file that contains:
 - Statistics of successfully and unsuccessfully exported entities.
 - List of failed export attempts (including the classification codes).
 - List of successfully exported files (including hash values and full classification codes).
- »ExportReport.txt«: which contains a report for each successfully or unsuccessfully exported entity.
- »ExportReport_ERROR.txt«: which contains a report for each failed export attempt, including the error received.

When all entities are exported, the »ExportReport.xml« file is electronically signed with the selected digital certificate using the XMLDSIG standard. This ensures the authenticity of the export report and the exported files.

The status of the document then changes to »Closed«.

If there is an error while the export document is being completed, it will remain in the system class in its raw form and with an »Open« status.

If there is an error during the export of an entity queued for export, the sub-entities it contains will not be exported. In case a sub-entity encounters an error, the other sub-entities will still be exported, providing the export of the parent entity was successful.

				_	
File Home Share View					^
to Quick Copy Paste	Move Copy Delete Rename	New item *	Properties	Select none	
access	to v to v v	folder	👻 🍖 Histo		tion
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> · ·	ive Server > Administration > I	xport >		ٽ ~	Search Ex 🎾
📌 Quick access	Open				
Vuick access	Title	Description	1		
le OneDrive	lo 2016-10-14T13:44:56.28	66331+02:00 Export start	ted at 2016-10-14T13:44	56.2866331+02:00	
Windows10 PC	lo 2016-10-14T13:53:02.39	53157+02:00 Export star	ted at 2016-10-14T13:53	02.3953157+02:00	
Archives	lo 2016-10-14T14:22:36.44	28267+02:00 Export star	ted at 2016-10-14T14:22	36.4428267+02:00	
Desktop	lo 2016-10-14T14:35:51.10	61875+02:00 Export star	ted at 2016-10-14T14:35	51.1061875+02:00	
Documents	lo 2016-10-14T14:59:21.81	14149+02:00 Export star	ted at 2016-10-14T14:59	21.8114149+02:00	
Downloads	lo 2016-10-14T14:59:49.57	08973+02:00 Export star	ted at 2016-10-14T14:59	49.5708973+02:00	
h Music	lo 2016-10-14T15:02:37.80	30565+02:00 Export start	ted at 2016-10-14T15:02	37.8030565+02:00	
Pictures					
and videos					
Videos					
 Videos Local Disk (C:) Network 					
Local Disk (C:)					
Local Disk (C:)	Attributes Content Security	Activity Log System B	ronarties		
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Local Disk (C:) Network Archives II IMiS/ARChive Server Control In Administration	Save Open A Descripti	dd 🔻 Remove	Inserted 14. 10. 2016 15:02:41	Modified 14, 10, 2016 15:02:41	
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Local Disk (C:) Network Archives IMiS/ARChive Server O1 Administration O2 Finance O3 Supply Chain Management	Save Open A Descripti	dd 🔻 Remove	Inserted 14. 10. 2016 15:02:41	14. 10. 2016 15:02:41	
Local Disk (C:) Network Archives IMIS/ARChive Server O1 Administration O2 Finance O3 Supply Chain Management O4 Customer Relationship Management	Save Open A Descripti	dd 🔻 Remove	Inserted 14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	
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Local Disk (C:) Network Archives IMIS/ARChive Server O1 Administration O2 Finance O3 Supply Chain Management O4 Customer Relationship Management O5 Human Resources and Payroll Administration	Save Open A Descripti	dd 🔻 Remove	Inserted 14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	
Local Disk (C:) Network Archives IMIS/ARChive Server IMIS/ARChive Se	Save Open A Descripti	dd 🔻 Remove	Inserted 14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	
Local Disk (C:) Local	Save Open A Descripti	dd 🔻 Remove	Inserted 14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	14. 10. 2016 15:02:41 14. 10. 2016 15:02:41	

Image 128: Display of the export report in the »Export« system folder

4.2.13 Move

The IMiS[®]/Client enables the movement of entities across the classification scheme.

To move entities, a user requires the following permissions:

- »Move«: on the entity he is moving.
- »Delete«: on the entity he is moving.
- »Create entities«: on the newly selected parent entity or root class.

To begin moving entities within the classification scheme, select the entity you wish to move, choose »Actions« and then the »Move« command. You can find the »Actions« section via:

- Command bar of Windows Explorer.
- Right-click popup menu in the classification scheme overview.
- Right-click popup menu in the list of entities.

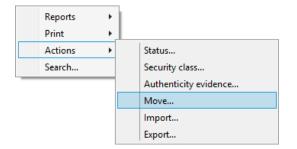


Image 129: Popup menu where the »Move« command is found

When selecting the »Move« command, you will receive the »Move entity« dialog box, where the »Move to« field is used to enter the classification code of the new parent entity, and the »Reason to move« field is used to enter the reason for the move.

The move of the entity is confirmed using the »OK« button.

the Move entity					×	
Move to: C=31^C=08^C=01^F=2016-00001						
Reason to	move:	Move to appro	priate folder			
			ОК	Cancel		

Image 130: Move entity dialog box

The classification code serves as a unique locator of the entity within the classification scheme and appears in canonical form. It consists of the relative classification codes of the entities, which are made of prefixes that specify the type of entity and its value, and are separated by the character »^«. The prefixes are as follows:

- »C=« for classes.
- »F=« for folders.
- »D=« for documents.

<u>Example</u>: The canonical form of the classification code of document 0001 located inside folder 2014-01, which is located inside class 002, which is located inside class 01 looks like this: C=01^C=002^F=2014-01^D=0001

For more information on classification codes in canonical form *see the IMiS^{*}/ARChive user manual chapter 3.3.5 Access*.

When a moved entity is opened in the reading or editing mode, it has a new section called »Move« under the »System properties« tab in the bottom right view of Windows Explorer. The section »Move« shows the metadata of the moved entity (*see chapter 4.3.3 Moved entity attributes)*.

<u>Warning</u>: The following rules apply when a user is moving entities:

- All entities can be moved, no matter if they are closed or open.
- Several entities can be moved simultaneously when they are selected together in the list of entities.
- Classes can be moved directly into the root of the archive by leaving the »Move to« field empty, and only completing the »Reason to move« field. When moving an entity, be careful that its security class is not »Inherited« but always explicitly set.
- Documents that are situated directly inside a class cannot be moved inside folders, and documents situated in a folder cannot be moved directly inside a class.

4.2.14 Delete

The IMiS[®]/Client enables two ways of removing an entity from the classification scheme:

- Immediate deletion.
- Marking an entity for later deletion (delete queue).

A user must have the appropriate access rights to execute any of these two actions.

4.2.14.1 Immediate deletion of an entity

To execute a delete action, the user must have the »Delete« right on the selected entity. To learn how to check the effective rights of a user <u>see chapter 4.1.3 Entity information</u>.

Prior to deletion, the user has to make sure the classes or folders he is about to delete do not contain entities.

<u>Note</u>: Classes or folders that contain entities cannot be deleted. The same is true for all closed entities (the value of the »Status« attribute is »Closed«).

File Home Share View						^
	Aove Copy to* Copy to* Organize	Rename New fold		Properties • History Open	Select all Select nor Invert select Select	
\leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow Archives \Rightarrow IMiS/ARChiv	ve Server > 02 > 01	> 01 > 2016-0	00001		ٽ ~	Search Ex 🖌
🕹 Downloads	New 🔻 Ope	n Edit	Delete Ac	tions 🔻 Search		
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 Q2 Credit Notes Q2 Accounts Receiveable Q3 Banking Q4 Budgeting Q5 Payments Q1 Cash Management Q2 Cheques Q3 Supply Chain Management Q4 Customer Relationship Manageme Q5 Human Resources and Payroll Administration Reviews 	Attributes Security Save	Ballance s	ance sheet [October tial	2016]		

Image 131: Deleting an entity via the command bar

To delete an entity, first select an archive server in the left view of Windows Explorer. Find and select the entity you wish to delete. By choosing the »Delete« command in the top command bar, or by pressing the »Delete« key, you will open the entity deletion dialog box.

(the Delete document 02.01.01-2016-000001/000011						
Reason to delete: New version document in already archived						
Description:	Late	st balan	ice sheet [October	2016]		
			ОК	Cancel		

Image 132: Entity deletion dialog box

Enter the »Reason to delete« into the appropriate field, which is mandatory. Since the entity's description is an optional metadata that becomes mandatory when the entity is being deleted, you are now able to change it. If the entity contains no description and you attempt to delete it, the server will deny the request. Once the mandatory fields are completed, deletion is executed by choosing »OK«, or it can be cancelled by choosing »Cancel«.

Following deletion, the entity is removed from its previous class or folder and goes into the »Trash« system folder. The following attributes remain unchanged on the entity: classification code, title and description. All other metadata is removed.

A deleted entity receives the following new attributes:

- »Date deleted«: date and time of deletion.
- »Agent«: the user who executed the delete action.
- »Reason«: reason for deletion as it was input by the agent.

Classification code	Title	Description	Reason	Date deleted	Agent	Reference
× 02.01.01-2016-000001/000010	FW: Seminars, Forums, Conferences Sub Group	Seminar & Forum	Invitation is not actual any	14. 10. 2016 15:02:24	Administrator	



The entity is no longer accessible in the classification scheme, and remains visible only in the »Trash« report.

4.2.14.2 Marking an entity for later deletion

If the user has the »Write« access right on the entity, but does not have the »Delete« access right, user is able to mark the entity for later deletion. For the display of a user's current effective access rights <u>see chapter 4.1.3 Entity information</u>.

All types of entities can be marked for later deletion. The procedure is as follows:

- 1. Find and select the entity you wish to mark for later deletion.
- 2. By choosing the »Edit« command or pressing the »F2« key, the selected entity is opened in editing mode.
- 3. In the first tab »Attributes« in the section »System«, select the »Significance« attribute. Change the value of this attribute to »Delete« in the pick list of possible attribute values.
- 4. When the value of the »Significance« attribute is changed, save the entity using the »Save« command. The new value »Delete« is then stored to the server.

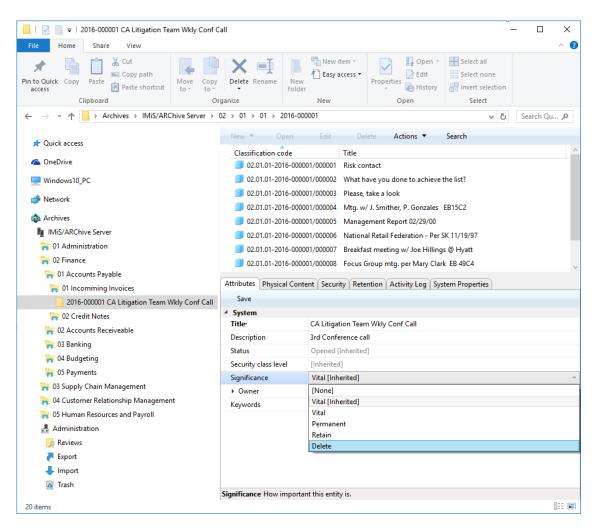


Image 134: Marking an entity for later deletion

4.2.14.3 Managing the delete queue

Entities whose »Significance« attribute is set to »Delete« appear in the list of entities waiting for deletion. This list is found in the »Queue« folder in the »Trash« folder in the »Administration« system folder.

<u>Note</u>: User with appropriate rights can limit user access to the »Queue« folder by assigning explicit Deny Read right to users in the configuration folder »Access Control« in the context »Deleted«.

🗽 🛃 🔚 🖛 Queue				-	- 🗆 X
File Home Share View					~ (
Image: Pin to Quick access Copy Paste Copy path Paste shortcut Move Copy to ~ Clipboard Clipboard Or Or	Delete Rename	New iter New folder New		Select all Select none Invert selection	
← → → ↑ 🕅 > Archives > IMiS/ARChive Server > A	Administration > 1	Frash → Queue →		5 V	Search Qu 🔎
	Report C	lpen Edit	Delete		
> 🖈 Quick access	Classification c		Title		
> 🧥 OneDrive	02.01.01-20		CA Litigation Team Wkly Con	f Call	
> 🛄 Windows10_PC	02.01.01-20	016-000001/000001	Risk contact		
Network	02.01.01-20	016-000001/000002	What have you done to achie	ve the list?	
	02.01.01-20	016-000001/000003	Please, take a look		
 Archives 	02.01.01-20	016-000001/000004	Mtg. w/ J. Smither, P. Gonzale	s EB15C2	
V III IMis/ARChive Server	02.01.01-20	16-000001/000005	Management Report 02/29/00)	
> 🐂 01 Administration	🧐 02.01.01-20	16-000001/000006	National Retail Federation - Pe	er SK 11/19/97	
V 🙀 02 Finance	02.01.01-20	16-000001/000007	Breakfast meeting w/ Joe Hilli	ngs @ Hyatt	
G1 Accounts Payable	02.01.01-20	016-000001/000008	Focus Group mtg. per Mary C	lark EB 49C4	
Incomming Invoices	_		FYI: BACC Event; Presentation	/Reception; Charles Mi	ller-Smith; Londor
 2016-000001 CA Litigation Team Wkly Conf Call 20 Credit Notes 	02.01.01-20	016-000001/000011	Ballance sheet		
 a 02 Creat Notes a 02 Accounts Receiveable 					
> a 03 Banking					
> a 04 Budgeting					
> a 05 Payments					
> 📊 03 Supply Chain Management					
> 🔒 04 Customer Relationship Management					
> 🐂 05 Human Resources and Payroll					
✓ ♣ Administration					
😡 Reviews					
🔁 Export					
🖊 Import					
✓					
> 🔀 Disposed					
🔀 Deleted					
🔭 Queue					
20 items					

Image 135: List of entities marked for deletion in the »Queue« folder

By selecting the »Queue« folder, the bottom right view shows all the entities that were marked for deletion by various users. In this overview, the classification code is expressed as an absolute value. A user is responsible for checking the exact content of the entities and making the final decision whether or not to delete them.

If deletion is warranted, the entity is deleted by choosing the »Delete« command in the top command bar or pressing the »Delete« key. The deletion procedure is outlined in <u>chapter</u> <u>4.2.14.1 Immediate deletion of an entity</u>.

If a user decides the entity should not be deleted, user can remove it from the delete queue. This is done by changing the »Significance« attribute of the entity to a value other than the »Delete« value. The procedure for removing an entity from the delete queue list is as follows:

- 1. A user selects the entity to remove from the list.
- By choosing the »Edit« command in the top command bar or pressing the »F2« key, the selected entity is opened in editing mode.
- 3. In the first tab »Attributes«, under the section »System«, the user selects the »Significance« attribute.
- 4. The value of this attribute has to be changed from »Delete« to a different value in the pick list of possible values.
- 5. When the value is changed, the entity is saved using the »Save« command.

The new value of the »Significance« attribute is stored to the server, and the entity will be removed from the list.

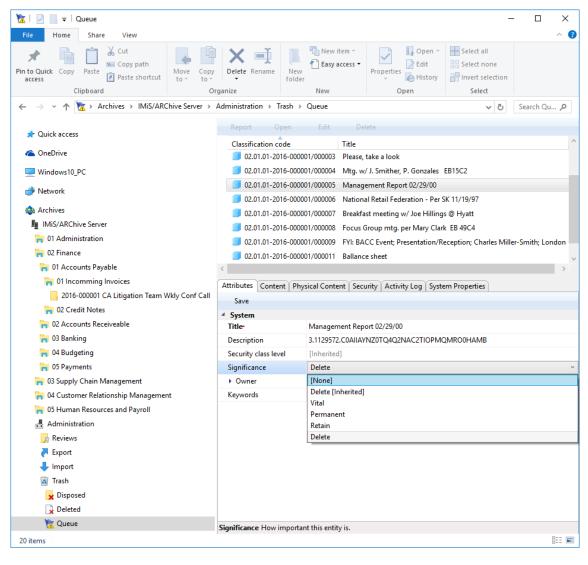


Image 136: Removing an entity from the delete queue list

Once you refresh the delete queue list, the entity will no longer appear there. You can still find it in its old location in the classification scheme.

4.2.15 Changing the status of an entity

To change the status of an entity, the user must have the »Change status« access right on the entity. Changing the status of existing entities in the IMiS[®]/Client is done using the »Status« command, which is available for the selected entity in the »Actions« section accessible in the:

- Command bar of Windows Explorer.
- Right-click popup menu in the classification scheme.
- Right-click popup menu in the list of contained entities.

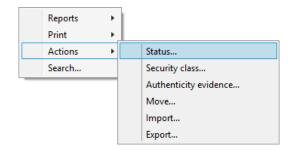


Image 137: Popup menu for choosing the »Status« command

In the »Set entity status« dialog box, the user selects the desired status from a pick list offered in the »Status« field. The list only shows values other than the current status of the entity.

The following predefined status values are possible:

- »Inherited«: the status of the entity is implicitly inherited from the parent entity.
 In the case of root classes, this status is equal to »Opened«.
- »Opened«: the status of the entity becomes explicitly »Opened«.
- »Closed«: the status of the entity becomes explicitly »Closed«.

The user writes a reason for the status change in the »Reason to change« field. The change of status for the selected entity is confirmed using the »OK« button.

🏨 Set	t entity statu	5			×
Status:	Closed				¥
Reason	for change:	Document i	s not relevant any	/ more	
			ОК	Cancel	

Image 138: Status change dialog box

4.2.16 Changing the security class

To change an entity's security class, the user must have the »Change security class« access right on the entity. Changing the security class of an entity in the IMiS[®]/Client is done using the »Security class« command, which is available for the selected entity in the »Actions« section accessible in the:

- Command bar of Windows Explorer.
- Right-click popup menu in the classification scheme.
- Right-click popup menu in the list of contained entities.

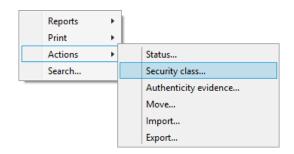


Image 139: Popup menu for choosing the »Security class« command

In the »Set entity security class« dialog box, the user selects the desired security class from a pick list offered in the »Security class« field. The list only shows values lower or equal to the user's own security class level.

The following predefined values are available (listed from lowest to highest):

- »Inherited«: the entity's security class is implicitly inherited from the parent entity. In case of root classes, the security class value is removed.
- »Unclassified«: access to the entity is not limited.
- »Restricted«: the entity is an internal matter. It can only be accessed by users with a clearance level »Restricted« or higher.

- »Confidential«: the entity is confidential. It can only be accessed by users with a clearance level »Confidential« or higher.
- »Secret«: the entity is considered secret. It can only be accessed by users with a clearance level »Secret« or higher.
- »Top Secret«: the entity is considered top secret. It can only be accessed by users with the »Top Secret« clearance level.

The user enters the reason for the change of security class into the »Reason to change« field. The change is confirmed by clicking the »OK« button.

Set entity security class					
Security class: Secret v					
Reason for change: Document is classified as Secret					
	OK Cancel				

Image 140: Dialog box for changing the security class

4.2.17 Acquiring authenticity evidence

Authenticity evidence is created on the IMiS[®]/ARChive Server for the entities, whose properties correspond to at least one rule for generating proofs and have at least one metadata or content that is intended for generating proofs.

For additional information on rules for generating and renewing proofs *see the IMiS®/ARChive Server user manual chapter 3.6.7 Rules.*

Evidence is created in packets, according to predetermined time intervals.

In case authenticity evidence for the selected entity already exists on the archive,

the user can retrieve it by using the »Authenticity evidence« command.

This command is found in the »Actions« section accessible via the:

- Command bar of Windows Explorer.
- Right-click popup menu in the classification scheme.
- Right-click popup menu in the list of contained entities.

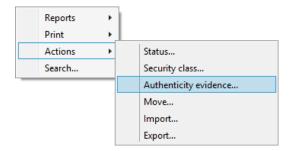


Image 141: Popup menu for choosing the »Authenticity evidence« command

When choosing »Authenticity evidence«, the user receives a dialog box for the selection of the folder where the evidence files should be exported. The export of evidence is confirmed using the »OK« button.

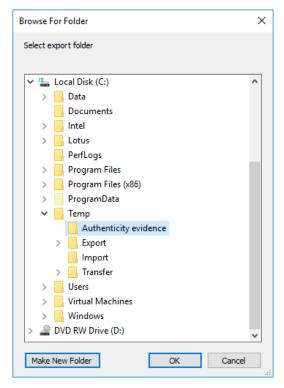


Image 142: Dialog box for selecting the export folder of authenticity evidence files

<u>Warning</u>: Depending on the settings of the IMiS[®]/ARChive Server, authenticity evidence is created in certain intervals. The default setting is 5 minutes. The evidence thus becomes available when this time period has elapsed.

The authenticity evidence includes these two file types:

- »AIP.xml«: XML file that contains the »Archival Information Package AIP«, which is a summary of the entity's metadata and content subject to the authenticity verification procedure.
- »EvidenceRecord X.xml«: one or more XML files that contain the evidence record of the entity according to the »Evidence Record Syntax – ERS« standard, which prescribes a system for ensuring the authenticity of long-term archived content. The »X« in the name of the file means the successive number of the record.

```
<?xml version="1.0" encoding="UTF-8"?>
<aip:AIP xmlns:aip="http://www.imis.eu/imisarc/aip"
xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
   <aip:Header Version="1">
      <ds:CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-</p>
20010315"/>
   </aip:Header>
   <aip:Attribute Id="sys:Closed" Type="16">
      <aip:Value>2014-03-31T16:23:50.401+02:00</aip:Value>
   </aip:Attribute>
   <aip:Attribute Id="sys:Opened" Type="16">
      <aip:Value>2014-03-31T16:23:47.094+02:00</aip:Value>
   </aip:Attribute>
   <aip:Attribute Id="sys:Status" Type="18">
      <aip:Value>Closed</aip:Value>
   </aip:Attribute>
   <aip:Content Id="sys:Content">
      <aip:ContentValue>
         <ds:DigestMethod Algorithm="http://www.w3.org/2001/04/xmlenc#sha256"/>
         <ds:DigestValue>ONPJp3qfSkFm...T5irp0T+SrJMp+VE=</ds:DigestValue>
      </aip:ContentValue>
   </aip:Content>
</aip:AIP>
```

Image 143: Example archive information package

```
<?xml version="1.0" encoding="UTF-8"?>
<EvidenceRecord xmlns="http://www.setcce.org/schemas/ers" Version="1.0">
<ArchiveTimeStampSequence>
<ArchiveTimeStampChain Order="1">
<DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/>
<CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315"/>
<ArchiveTimeStamp Order="1">
<HashTree>
<Sequence Order="1">
</archiveTimeStamp Order="1">
</archiveTimeStampChain Order="1">
</archiveTimeStampOrder="1">
</archiveTimeStamp Order="1">
</archiveTimeStamp Order="1">
</archiveTimeStamp Order="1">
</archiveTimeStamp Order="1"
</archiveTimeStampOrder="1"
</archiveTime
```

```
2016 © Imaging Systems Inc., All rights reserved.
```

<DigestValue>RiHMqrhrGATA/fDYJVO2IVg4fTw=</DigestValue> <DigestValue>dawWHxN2luddA7O+NGHYNd3ApG8=</DigestValue> </Sequence> <Sequence Order="2"> <DigestValue>vqBElqW7kGPUaFB/g6tfUFWwylE=</DigestValue> </Sequence> </HashTree> <TimeStamp> <TimeStampToken Type="XMLENTRUST"> <dsig:Signature xmlns:dsig="http://www.w3.org/2000/09/xmldsig#" ld="TimeStampToken"> <dsig:SignedInfo> <dsig:CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-xml-c14n-20010315"/> <dsig:SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-sha1"/> <dsig:Reference URI="#TimeStampInfo-13ED106F54C2C33ED420000000000007BD7"> <dsig:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/> <dsig:DigestValue>fWwSCkW04udY+/kvwMgL59scG3k=</dsig:DigestValue> </dsig:Reference> <dsig:Reference URI="#TimeStampAuthority"> <dsig:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/> <dsig:DigestValue>j8bwhFukHoD6jcjmzgEZtXDF/ko=</dsig:DigestValue> </dsig:Reference> </dsig:SignedInfo> <dsig:SignatureValue>J5Vmm9HR9gYzPouh... ELWNov32qUw== </dsig:SignatureValue> <dsig:KeyInfo Id="TimeStampAuthority"> <dsig:X509Data> <dsig:X509Certificate>MIIFYDCCBEi...InphHBlzxEkFU3</dsig:X509Certificate> </dsig:X509Data> </dsig:KeyInfo> <dsig:Object Id="TimeStampInfo-13ED106F54C2C33ED420000000000007BD7"> <ts:TimeStampInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#" xmlns:ts="http://www.entrust.com/schemas/timestamp-protocol-20020207"> <ts:Policy id="http://www.si-tsa.si/dokumenti/SI-TSA-politika-za-casovni-zig-1.pdf"/> <ts:Digest> <ds:DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1"/> <ds:DigestValue>kKsYK3bWkp5Zc/wbgssA/XlbNsA=</ds:DigestValue> </ts:Digest> <ts:SerialNumber>108487637460...6624147310345175</ts:SerialNumber> <ts:CreationTime>2014-04-02T09:45:00.093Z</ts:CreationTime> <ts:Nonce>7949411139179750976</ts:Nonce> </ts:TimeStampInfo> </dsig:Object> </dsig:Signature> </TimeStampToken> <CryptographicInformationList> <CryptographicInformation Order="1" Type="CERT">MIIEHDCCAwSgBAgIE...z90z6gk/2vorAfGEhuB9nBxVeoQp</CryptographicInformation> <CryptographicInformation Order="2" Type="CRL">MIISKTCCERECAQEwDQYJ....pY02SYQMkw819LR9I/Y0Fg</CryptographicInformation>

</CryptographicInformationList> </TimeStamp> </ArchiveTimeStamp> </ArchiveTimeStampChain> </ArchiveTimeStampSequence> </EvidenceRecord>

Image 144: Example evidence record

4.2.18 Viewing the audit log

You can view the audit log by using the »Audit log« command accessible via the:

- Popup menu in the »Reports« section for the selected archive, class or folder in the classification scheme.
- Popup menu over an entity selected in the list of contained entities.

Collapse		
Reports	>	Audit log
Print	>	Folders
Actions	>	Documents
Search		Contents
Preferences		Retention
Configure		Access
Remove archive		
Log out		

Image 145: Popup menu for selecting the »Audit log« command

The »Audit log query builder« dialog box is displayed, where the user can set the following audit trail search parameters:

- »Date Range«: the audit log query can be limited by setting the initial and final date.
 The final date is sufficient to start a query. If the initial date is not specified, the search takes complete history into account.
- »Parameters type«: search the audit log by:
 - IP addresses by choosing »IP address«.
 - User names by choosing »User name«.
 - Computer names by choosing »Computer name«.
- »Parameters scope«: specify the scope of parameters:
 - Range between an initial and a final value when choosing »Range«.
 - List of individual values when choosing »List«.
- »Addresses«: the user gives a list of IP addresses of the searched users.

- »Entity Ids«: the user gives a list of identifiers of the searched entities.
- »Sort order«: specify the sort order of audit log search results according to:
 - Date and time, represented by the value »Timestamp«.
 - Object identifier, represented by the value »Object Id«.
 - Session number, represented by the value »Session number«.
- »Report formats«: selection of audit log query formats. The possible formats are:
 - XML.
 - Text (individual fields separated by a comma, CSV).
- »Report file path«: set the path of the report file. The option »Automatically launch default application« allows you to open the report in the default application for the selected report format.

👜 Audit log query bui	ilder		– 🗆 X
Scope Root IMiS/ARChive Se	rver		
Include Classes Fold	ders 🖌 Documents	Options Recursive	
Date range: 1. 07. 20	115 00:00 × 💌 - 30. 06. 2	016 23:5' × 💌	
Parameters type IP address User name Computer name	Parameters scope O Range		
Addresses		Entity Ids	
Sort order Timestamp Entity Id Session number		Display session info IP address User name Computer name	Display event info Timestamp Id Type Message
Report formats XML CSV	Report file path C:\Temp\Audit log\audit I Automatically launch	2	
			Execute Cancel

Image 146: Configuring the audit trail query

When the parameters are set, the query is started by choosing »Execute« or cancelled by using »Cancel«.

4.3 System attributes

System attributes are predefined. On the IMiS[®]/ARChive Server they are specified by the attribute scheme and have prescribed properties.

Attributes can be:

- Publicly accessible (accessible to all users no matter what access rights and roles they have).
- Required, which means that the attribute value has to be input before the entity can be saved.
- Read-only.

Attributes can have multiple values, pick list values, and any combination of possible properties. Attribute values can also be inherited. The table below describes the possible attribute properties.

Name of attribute property	Description
Public	Attribute is publically accessible to all users.
Required	Attribute value is mandatory.
Unique	Attribute value must be unique.
ReadOnly	Attribute value cannot be changed.
MultiValue	Attribute has multiple values.
PickList	Attribute must have one of the values from the pick list.
Searchable	Attribute is searchable.
Inherited	Attribute values are inherited from the parent entity.
AppendOnly	Attribute values may only be appended.
IncludeInAIP	Attribute values are part of the archive information package.

Table 6: Description of possible attribute properties

In addition to limitations that specify attribute properties, certain other system limitations also apply. For example, some attributes are only available for specific types of entities, and some only for entities in a specific location in the classification scheme, or after a specific action has been executed, such as transfer or import.

All the system attributes of the IMiS[®]/ARChive Server are described below.

4.3.1 General system attributes

The general system attributes of an entity consist of various attributes such as »Title«, »Description« and »Classification code«.

General attributes contain mandatory as well as optional attributes. Most attributes are available for all entities. The exceptions are »Status«, »Opened date« and »Closed date«, which are present for classes, folders, and those documents that are located directly under a class. Attribute »Significance« is available for folders and documents only.

The table below lists and describes all the general system attributes.

Name	Description
Classification code	Contains the entity's classification code within the classification scheme.
	The classification code is generated automatically on the archive server.
	Example: The classification code 01-2014-00004/00001 represents
	document 00001, located inside folder 2014-00004, located inside class 01.
	The classification code is a publically accessible type of metadata.
Title	Saves/contains the title of the entity. The title is a required, public metadata
	that enables search.
Description	Saves/contains a short description of the entity.
	The description is a public metadata.
Status	Saves/contains the status of the entity. The status is a required metadata for
	all entities that are either classes, folders, or documents directly under
	classes. It is a public metadata that enables search.
	The possible values are:
	• »Opened«: the entity can be edited by a user with the appropriate
	effective access rights (the right to write)
	• »Closed«: the entity cannot be edited.
Opened date	Contains the date and time the status of the entity was changed to »Opened«.
	The opened date is public metadata, is read-only and enables search.
Closed date	Contains the date and time the status of the entity was changed to »Closed«.
	The closed date is public metadata, is read-only and enables search.
Significance	Saves/contains the significance rating of the entity. Significance is a required
	metadata for folders and documents. It is public metadata that enables
	search. The possible values are:
	• »Vital«: entity is vital.
	• »Permanent«: entity is permanent.
	• »Retain«: entity should be retained.
	• »Delete«: entity is queued for deletion.

Name	Description
Security class	Saves/contains the security class of the entity. The security class is optional
	metadata for all new entities. Once it is set, it cannot be modified without
	stating a reason for change. The security class is a public metadata that
	enables inheriting and enables search.
	The possible predefined values are:
	»Unclassified«: entity is freely accessible.
	• »Restricted«: entity is of an internal nature. Can only be accessed by
	users with clearance level »Restricted« or higher.
	• »Confidential«: entity is confidential. Can only be accessed by users with
	clearance level »Confidential« or higher.
	• »Secret«: entity is secret. Can only be accessed by users with clearance
	level »Secret« or higher.
	• »Top Secret«: entity is top secret. Can only be accessed by users with
	clearance level »Top Secret«.
Creator	Contains the creator of the entity (name of user who created it). The value is
	set when an entity is created on the IMiS®/ARChive Server and cannot be
	changed. The creator is a public metadata, is read-only and enables search.
Owner	Saves/contains the owner of the entity. The value of the attribute is selected
	from among the currently registered users of the archive server. The owner is
	a public metadata that enables search.
Keywords	Saves/contains keywords related to the entity. This attribute can have
	multiple values and is a public metadata that enables search.
External Ids	Saves/contains external identifiers of the entity. This attribute can have
	multiple unique values and is a public metadata that enables search.
	Warning: When entering values, keywords should be separated using the
	»Enter« key or the semicolon character (;).
Save log	Contains a report on the verification of the electronic signature for digitally
	signed content. This attribute can have multiple, added values. It is a public
	metadata that enables search

Table 7: Description of general system attributes

4.3.2 Security class change attributes

Security class change attributes are created by the IMiS[®]/ARChive Server when an entity's security class is changed. They store the agent of the change, the reason and date of the change, and the value before and after the security class change.

Name	Description
Agent	Contains the agent (user who changed the entity's security class).
Reason	Contains the reason for the security class change.
Modified date	Contains the date and time the security class was changed.
Before change	Contains the security class value prior to the change.
After change	Contains the security class value after the change.

 Table 8: Description of security class change attributes

4.3.3 Moved entity attributes

Moved entity attributes are created by the server when an entity is moved. They store the agent of the move, the reason and the date.

Name	Description
Agent	Contains the agent of the move.
Reason	Contains the reason for the move.
Moved date	Contains the date and time the entity was moved.

 Table 9: Description of moved entity attributes

4.3.4 Deleted entity attributes

Deleted entity attributes are created by the server when an entity is deleted. They store the agent of deletion, the classification code, the reason for the deletion and its date.

Name	Description
Agent	Contains the agent of the delete action.
Classification code	Contains the classification code of the deleted entity.
Reason	Contains the reason for the entity's deletion.
Deleted date	Contains the date and time the entity was deleted.

 Table 10:
 Description of deleted entity attributes

4.3.5 Transferred entity attributes

Transferred entity attributes are created by the server when an entity is imported.

They store the system identifier, the classification code of the transferred entity, the audit log and the date of import.

Name	Description
System Id	Contains the unique system identifier of the transferred entity.
Classification code	Contains the classification code of the transferred entity.
Audit log	Contains the audit log of the transferred entity.
Imported date	Contains the date and time the entity was transferred.

Table 11: Description of moved entity attributes

4.3.6 Email attributes

Email attributes are only available for documents that have been created using an email template. Email attributes store information about the email such as the sender, recipients, and sent date.

Name	Description
Message Id	Contains the automatically generated message identifier.
From	Contains the address of the sender. This metadata is mandatory.
То	Contains the addresses of the email's recipients.
CC	Contains the addresses of the email's CC recipients.
BCC	Contains the addresses of the email's hidden recipients.
Subject	Contains the subject of the email message.
Priority	Contains the email priority status.
Signed	Contains a value that registers if the email was electronically signed.
Date	Contains the date and time the email was sent. This metadata is mandatory.

Table 12: Description of email attributes

4.3.7 Physical content attributes

Physical content attributes are only available for documents. The existence of physical content is specified by the unique physical content identifier. The physical content has a home location, which changes when it is checked out. The change of location is saved in the »status« attribute.

Name	Description
ldentifier	Contains the unique identifier of the physical content.
Description	Contains a short description of the physical content.
Status	Contains the current status of the physical content. Possible values are:
	- »CheckedIn«: the physical content is stored at its home location.
	- »CheckedOut«: the physical content has been sent to another location.
Status change date	Contains the date and time of the physical content's last status change.
Home location	Contains the home location of the physical content.
Current location	Contains the current location of the physical content.
Custodian	Contains the name of the physical content's custodian.
Return date	Contains the expected return date of checked out content.

Table 13: Description of physical content attributes

4.3.8 Review process attributes

Review process attributes are available only during review processes.

Name	Description	
Members	Users who perform review process.	
Action	By selecting one of the valid values, you influence the review process. Valid values:	
	 »Reviewing«: the value represents the action of reviewing entities in the review process and does not influence the server. 	
	• »Complete«: the value represents the action of completing the review process on the server.	
	 »Discard«: the value represents the action of canceling the review process on the server. 	
Comments	Optional attribute which is used for entering various comments, explanations and other information that is in any way connected with the review process.	
Message	Short error description entered by IMiS®/ARChive Server. In the event of an error during the preparation or implementation phase of the review process. Also recorded in the attribute is the successful completion of the review process.	

Name	Description
State	This value is set by IMiS [®] /ARChive Server during the review process.
	Valid values:
	• »Unknown«: this value represents an invalid state of the review process.
	• »Created«: this value is set by the server when the user creates a new review.
	• »Preparing«: this value is set by the server during the content creation phase for the review process.
	 »InReview«: this value is set by the server after successfully creating the entities for the review process.
	 »Completing«: this value is set by the server when beginning of the review process.
	• »Completed«: this value is set by the server after successfully implementing the review process.
	• »Discarded«: this value is set by the server after successfully canceling the review process.
	 »Failed«: this value is set by the server if an irreparable error occurred during implementation or cancellation.
Scope	Represents the classification code of the entity under which the preparation phase of
	the review process will be implemented. If this value is not present, the preparation is
	implemented on the entire archive.
Query	This value represents the query which will/has captured entities for the review
	processes. This value is set if the »Ad hoc« function was selected for creating the
	process.

Table 14: Description of review process attributes

4.3.9 Entity attributes in the decision-making process

Dcision-making entity attributes are available only to the entity undergoing the process.

Name	Description
Classification code	Contains the entity classification code in the classification scheme.
Title	Title of the selected entity.
Action	Contains the action which will be implemented over the selected entity during the
	execution process. This value is copied from the effective retention policy.
Reason	Contains the reasons for the action to be implemented over the entities.
	This value is copied from the effective retention policy.
Comment	Contains a random comment which is entered during the transfer process.
Transfered	This attribute value states whether the entity transfer was successful or not.
	Valid values: »true« or »false«.
Transfer id	Contains a value that represents a reference to the transferred entity.

Table 15: Description of entity attributes in the decision-making process

4.4 Authenticity

The IMiS[®]/Client ensures the authenticity of stored electronic records for the lifelong duration of storage.

4.4.1 Digital certificate

The digital certificate and the private key are issued by a trusted Certificate Authority (CA) that manages the certificates. The certificate contains information that uniquely identifies the person who owns it. In addition to the private key disclosed only to the holder, it also contains a certified copy of the public key, which is used by third parties to verify the authenticity of content electronically signed using the certificate.

The public key and electronic signature authenticate the identity of the private key's holder.

Qualified digital certificates are used for:

- Secure internet communication using the SSL (Secure Sockets Layer) and TLS (Transport Layer Security) protocols.
- Secure email traffic using the S/MIME (Secure Multipurpose Internet Mail Extensions) protocol.
- Encryption and decryption of data in electronic form.
- Digital signing of data in electronic form, and the verification of the key holder's identity.
- Services or applications that require the use of qualified digital certificates.

<u>Example</u>: The image below shows the qualified digital certificate issued by SIGEN-CA (Slovenian General Certification Authority).

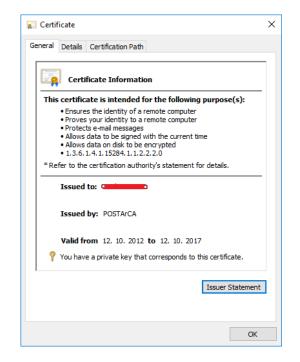


Image 147: Qualified digital certificate information

Users can have several different digital certificates installed on their computer. The choice of trusted certification authority is up to the user.

4.4.1.1 Digital certificate validity

The digital certificate has an expiration date. The validity of the electronic signature depends on the validity of the digital certificate, which is limited to a maximum time period of 5 years according to provisions of Article 32 of the Regulation on Electronic Business and Electronic Signatures.

When a digital certificate expires, it becomes invalid and can no longer be used.

4.4.1.2 Checking the validity of the digital certificate

Each time it saves an electronically signed content in the PDF/A, TIFF or XML formats or an email message in the EML format, the IMiS[®]/ARChive Server automatically checks the validity of the digital certificate using the Certificate Revocation List (CRL) of the issuing authority. During the validity checking procedure, the IMiS[®]/ARChive Server sends the serial number of the certificate to the trusted authority's digital certificate server. The server, which frequently updates certificate revocation lists, then sends electronically signed information about the certificate's status to the user.

4.4.1.3 Installation of the digital certificate

A digital certificate is obtained from a trusted Certificate Authority (CA). The issuing authority's website describes the procedure of installing the certificate on the computer. If you wish to view all the currently installed digital certificates, use the following Windows commands: »Tools« -> »Internet options« -> »Content« -> »Certificates«.

4.4.1.4 Revocation of the digital certificate

A trusted certificate authority can revoke their certificate(s), making them invalid. The authority's digital certificate server contains lists of active and revoked certificates. The Certificate Revocation List (CRL), based on the X.509 standard, shows a list of certificates (ID code, date and time of revocation) that were revoked by the authority before having expired.

4.4.2 Electronic signature

Electronic signatures are based on asymmetrical cryptography. Users signs content with their own private key. The private key is only accessible to a particular user and is saved in their digital certificate, protected by a password. The password is set by the user upon installation and can also be changed later.

The public key is accessible to anyone, and the trusted certificate authority (CA) guarantees it belongs to a particular organization. Anyone can verify the organization's digital signature by processing it with the corresponding public key.

The electronic signature proves the authenticity and integrity of a signed document. It enables recognition of the signer, confirms the content has not been modified, and provides a link between the signer and the signed content.

Any change to the content of a document or its metadata will make the signature invalid.

4.4.2.1 Process of electronic signing

Using the electronic signature, the user integrates data from the digital certificate with the content of the document. On the basis of a hash algorithm, the complete content of the document is transformed into a unique string of data (digital fingerprint), which is encrypted with the user's private key. The private key is stored in the digital certificate or in a separate private key storage location, depending on the settings.

The digital fingerprint is integrated with the content of the document along with information about the digital certificate and the corresponding public key, but not the private key. By using the public key, anyone can then verify the user's electronic signature.

The IMiS[®]/Client enables the electronic signing of TIFF and PDF/A file types. This requires the use of either the IMiS[®]/Scan or IMiS[®]/View software modules. *(see the IMiS[®]/Scan and IMiS[®]/View user manual chapter 6.21 Electronic signatures).*

4.4.2.2 Verifying the validity of the electronic signature

The recipient of a signed document uses the signer's public key to verify the validity of the document. The public key is found in the signer's digital certificate, which is also stored in the signed document. If the signature is valid, this confirms the document was saved by the signer and was not modified since then. The validation procedure also checks the validity of the signer's digital certificate.

The IMiS[®]/Client enables the verification of electronic signatures during document capture or when documents are being saved. The entire procedure is performed on the IMiS[®]/ARChive Server for the document formats PDF/A, TIFF, XML, and for EML email messages. The server then communicates the verification results to the client.

The verification message is displayed as a popup window under the »Content« tab, in the bottom right view of Windows Explorer.

📙 🕗 📑 🗢 2016-000001 CA Litigation Team Wkly Conf	Call			-	- 🗆 ;	×
File Home Share View					^	0
Pin to Quick Copy Paste Clipboard	Delete Rename Delete Rename roll New folder	tem * access * Properties	Edit S History	elect all elect none wert selection Select		
← → ∽ ↑ 🔒 > Archives > IMiS/ARChive Server >	02 > 01 > 01 > 2016-000001			√ Ō	Search Qu 🌶	Q
🖈 Quick access	New Copen Edit		ions 🔻 Search	h		
CneDrive	Classification code	Title				
	02.01.01-2016-000001/000001	Risk contact				
Windows10_PC	02.01.01-2016-000001/000002	What have you done	e to achieve the list	(
i Network	02.01.01-2016-000001/000003	Please, take a look				
🚵 Archives	02.01.01-2016-000001/000004	Mtg. w/ J. Smither, F		2		
III IMiS/ARChive Server	02.01.01-2016-000001/000005	Management Report				
🐂 01 Administration	02.01.01-2016-000001/000006	National Retail Fede				
02 Finance	02.01.01-2016-000001/000007 Breakfast meeting w/ Joe Hillings @ Hyatt					
a 01 Accounts Payable	02.01.01-2016-000001/000008 Focus Group mtg. per Mary Clark EB 49C4					
1 01 Incomming Invoices	02.01.01-2016-000001/000009 FYI: BACC Event; Presentation/Reception; Charles Miller-Smith; Londo 02.01.01-2016-000001/000009					'n
2016-000001 CA Litigation Team Wkly Conf Call		02.01.01-2016-000001/000011 Ballance sheet				
2 Credit Notes	02.01.01-2016-000001/000012	lakok Invoice				
a 02 Accounts Receiveable						
a 03 Banking						
a 04 Budgeting						
o 5 Payments	Attributes Content Physical Conte	nt Security Activity	y Log System Pro	perties		
03 Supply Chain Management	Save Open Add 🔻	Remove				
04 Customer Relationship Management	Description		Inserted	Modifi	ed	
D5 Human Resources and Payroll	Takok Invoice 61_2016.tif	1	7. 10. 2016 10:22:55	17. 10. 2016	10:22:55	
Administration	Takok Invoice 141/2016.tif	1	7. 10. 2016 10:26:49	17. 10. 2016	10:26:49	
Reviews	Takok Invoice 72/2016.tif	1	7. 10. 2016 10:31:15	17. 10. 2016	10:31:15	
Z Export						_
↓ Import			Save report for	entity		
Trash			02.01.01-2016			
Disposed			Verifying Takol		/2016.tif :	
Deleted			Signature statu	IS: VALID		
V Queue	Content for selected entity		Click for detail			
20 items	content for selected entity		Windows Explorer			

Image 148: Example of a pop-up window containing the result of the document's electronic signature verification.

The pop-up window automatically closes after a few seconds. By clicking on it in time, the user is shown a pop-up window containing a report on the verification of the signed document. The signature is automatically verified when a document is being archived to the server. The archive server also saves documents with invalid electronic signatures.

save report for entity 06.01-2016-000001/000001 Scan.next research Part #1			×
Digital signature verification started: 2016-11-04T08:41:57.874+01:00			
Verifying Scan.next.project.Phase.2.valid.signed.tif : Signature status: VALID Certificate (subject: /DC=si/DC=imis/OU=IMiS/CN=Marko Hren/emailAddress=marko.hren@imis.si) revocat Signing certificate subject: /DC=si/DC=imis/OU=IMiS/CN=Marko Hren/emailAddress=marko.hren@imis.si' Signing certificate issuer: /DC=si/DC=imis/CN=ImagingSystemsCA' Valid from: '2016-03-21T15:35:02+01:00' Valid to: '2018-03-21T15:45:02+01:00'	ion status	; is 'VALID	
Digital signature verification ended: 2016-11-04T08:41:57.946+01:00			
		CI	lose



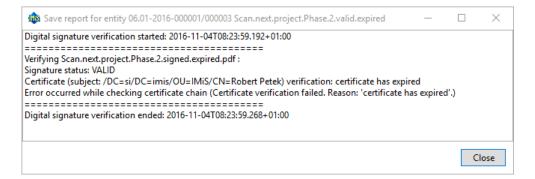


Image 150: Example of a valid electronic signature and an expired digital certificate

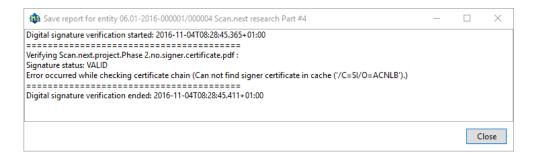


Image 151: Example of a valid electronic signature for which the certification authority could not be verified.

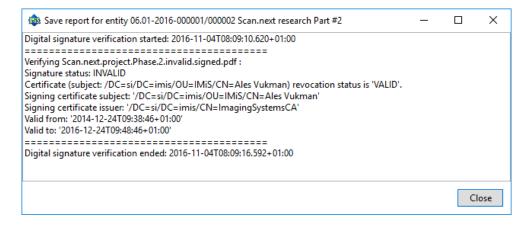


Image 152: Example of an invalid electronic signature due to a modification of the document after signing.

4.5 Review process

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 retention period set, which specifies the time frame for the retention of an individual entity in the archive.

In addition to the time frame, the retention policy also contains the default action which will be implemented in the review process. This action can be changed by the team members during a controlled and planned process of implementation the transfer, disposition or permanent retention of the content.

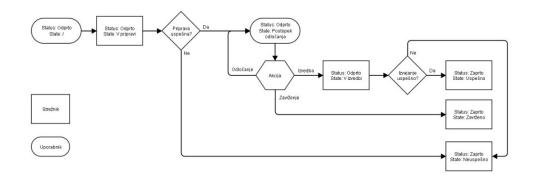


Image 153: Schematic of the review process

IMiS[®]/Client enables the user to:

- Prepare the review process.
- Review and select entities during the decision-making process.
- Implement the review process.
- Transfer selected entities.
- Review the content of documents.
- Review the selected retention periods.

The review process can be implemented by users with the »Review« role and the appropriate access rights for reviewing. These access rights are set by the administrator when setting the access rights in the »Configure« interface and the »Reviews« context.

More information on roles is available in the chapter 3.3.5.2.4 Roles in the IMiS[®]/ARChive Server user manual.

All activities in the review process are implemented in the »Reviews« folder, classified under the »Administration« system folder.

4.5.1 Preparation phase

In the left view of Windows Explorer the user selects the archive. Under the expanded list of root classes the user expands the »Administration« system folder in which the »Reviews« folder is located. By selecting the folder, the top right view shows the already prepared »Reviews«.

Ouick access	New Open	Edit Complete D	scard			
Quick access	Name	Title	Description	State	Status	Modified
CneDrive	2016-000001	September review - 10 years	Regular review after 10 years	Discarded	Closed	15. 09. 2016 14:55:57
This PC	2016-000002	October review - 10 years	Regular review after 10 years	InReview	Opened	15. 09. 2016 14:08:58
Network	2016-000003	January review - 5 years	Regfular review after 5 years	Completed	Closed	15. 09. 2016 14:52:41
P Network	2016-000004	Ad-hoc review - Closed	Ad-hoc review	InReview	Opened	15. 09. 2016 15:09:59
Archives	2016-000005	Ad-hoc review - Title & Status	Ad-hoc review	Failed	Closed	15. 09. 2016 15:08:03
IMiS/ARChive Server						
🐂 01 Administration						
🐂 02 Finance						
🐂 03 Supply Chain Management						
🀂 04 Customer Relationship Management						
🀂 05 Human Resources and Payroll						
📇 Administration						
🔀 Reviews						
🔁 Export						
🖊 Import						
🔯 Trash						

Image 154: Display of reviews created in the review processes

By selecting the »New« command in the top command bar, a pop-up menu appears,

which offers the following two modes for creating a review of selected entities:

- »Regular«: preparation of review based on selected retention periods.
- »Ad hoc«: preparation of review based on the query provided. It is used when transferring entities to a third archive.

左 🛃 🤿 Reviews						- 0	×
File Home Share View							^
in to Quick Copy Paste Copy path Paste shortcut Clipboard		👘 🐔 Easy access 🔻	Image: Open with the select all th	one lection			
← → ∽ ↑ 😡 > Archives > IMiS/ARChive	Server > Administration >	Reviews				V 🖸 Search Ad	d ,0
	New 🔻 Open	Edit Complete					
🖈 Quick access	Regular	litle	Description	State	Status	Modified	
a OneDrive	Ad hoc	September review - 10 years	Regular review after 10 years	Discarded	Closed	15. 09. 2016 14:55:57	
💻 This PC	2016-000002	October review - 10 years	Regular review after 10 years	InReview	Opened	15. 09. 2016 14:08:58	
Network	2016-000003	January review - 5 years	Regfular review after 5 years	Completed	Closed	15. 09. 2016 14:52:41	
	2016-000004	Ad-hoc review - Closed	Ad-hoc review	InReview	Opened	15. 09. 2016 15:09:59	
Archives	2016-000005	Ad-hoc review - Title & Status	Ad-hoc review	Failed	Closed	15. 09. 2016 15:08:03	
IMiS/ARChive Server							
🐂 01 Administration							
🔁 02 Finance							
🐂 03 Supply Chain Management							
🐂 04 Customer Relationship Management 🍋 05 Human Resources and Payroll							
Not Human Resources and Payroll							
Reviews							
Export							
↓ Import							
Trash							
—							
items 1 item selected							



After selecting the »Regular« command, the user is shown a dialog box for selecting retention periods.

🐂 Select retention policy	_		\times
Search			Q
Permanent			
10 years			
5 years			
3 years			
Transfer			
8 years			
б years			
	Select	Ca	ncel

Image 156: Dialog box for selecting retention periods

The user can select one or several retention periods for which he wishes to obtain a list of entities. After confirmation with the »Select« command, the bottom right view shows the tabs of a new review in the review process under entity information.

Attributes Security Syst	em Properties	
Save		
✓ System		
Title	Review after 10 years - Property and Facilities	
Description	Regular review after 10 years	
Status	Opened	v
Owner	Caroline Irwin	v
Keywords	review	×
A Review		
State	Created	
Message		
Members	Grace Layton; Alex Nelson; Jerry Turner	×
Action	[None]	Ŷ
Comments	Property and Facility department documentation review after 10 years	
Scope	Root	
Query		
Message Review message.		

Image 157: Display of review attributes in the review process

After selecting the »Ad hoc« command, the »Search builder« appears to the user. The user enters a query into the »Search builder«, based on which a list of selected entities will be created. The »Search builder« is described in <u>chapter 4.2.6. Search functions</u>.

🚯 Search builder						-	-		\times
Search settings					Sort options				
Scope					Sort by	Order			
Root IMiS/ARChive Ser	ver				~	Ascending	~	Remo	ve
Options Recursive Int	nerited	Include Classes	✓ Folders 🛛	✔ Document					
Attribute search condition	15				Full text search conditi	ons			
Attribute	Relation	Value	Operator		Value	Operator			
Status v	= ~	Closed ~	AND ~	Remove			~	Remo	ve
Closed ~	>	1. 06. 2016 00:0(× 💌	Ŷ	Remove					
Search expression: [sys:St	atus] = "2" A	ND [sys:Closed] > "2016-	06-01T00:00:0	0+02:00"					
						Execute		Cance	el 👘

Image 158: Example of creating a list of entities which were closed on a specific date

After confirmation by clicking on the »Execute« button, the bottom right view shows the tabs of a new review in the review process under entity information.

Save		
System		
Title•	Closed entities review Q3 2016	
Description	Ad-hoc review	
Status	Opened	
Owner	Alex Nelson	
Keywords	Monthly review	>
Review		
State	Created	
Message		
Members•	Donald Smith; Joshua Ruster; Terry Gordon	>
Action	[None]	
Comments	Ad-hoc review of entities closed after June 1st	
Scope	Root	
Query	[sys:Status] = "2" AND [sys:Closed] > "2016-06-01T00:00:00+02:00"	

Image 159: Display of review attributes in the review process

The value of the »Query« attribute represents a previously created query which cannot be modified subsequently.

<u>Problems</u>: The most common problem when creating a new review in the review process is that the user does not have the access right to create new reviews.

4.5.1.1 Entry of metadata

If the »Attributes« tab in the bottom right view of entity information has not been selected, the user starts by selecting it. This tab contains the list of all process attributes which can be entered by the user. For more information on entering metadata <u>see chapter</u> <u>4.2.2.2 Entry of metadata</u>.

The list of attributes is divided into several categories:

- »System«: attributes are present on all entities. See chapter 4.3.1 General system attributes.
- »Review«: attributes are present only when the entity is undergoing the review process. <u>See chapter 4.3.8 Review process attributes</u>.

By creation of the review, two attributes are mandatory: »Title« and »Members«. The user enters the title of the review into the »Title« attribute and the names of team members performing the review into the »Members« attribute.

After entering the metadata, the user saves the review to IMiS[®]/ARChive Server.

The user executes this by selecting the »Save« command in the bottom command bar.

Attributes Security S	System Properties	
Save		
 System 		
Title•	Closed entities review Q3 2016	
Description	Ad-hoc review	
Status	Opened	v
Owner	Alex Nelson	v
Keywords	Monthly review	× •
Review		
State	Created	
Message		
Members.	Donald Smith; Joshua Ruster; Terry Gordon	× •
Action	[None]	v
Comments	Ad-hoc review of entities closed after June 1st	
Scope	Root	
Query	[sys:Status] = "2" AND [sys:Closed] > "2016-06-01T00:00:00+02:00"	
Title Mandatory value fo	or naming entity	

Image 160: Saving a new or modified review in the review process

This starts the transfer of all entered metadata to IMiS[®]/ARChive Server. After the review has been saved, it is queued for preparation.

<u>Problem</u>: The most common problem during saving is that the value of the mandatory attribute has not been entered.

4.5.1.2 Entity preparation phase

The phase of preparing a list of entities begins when IMiS[®]/ARChive Server detects that entities are queued for review. The list only shows those entities which meet the condition of the selected retention periods. Other criteria are considered in the process. *More information is available in the chapter 3.7.4 Filtering process in the IMiS[®]/ARChive Server user manual.*

While the review process is in the preparation phase, it cannot be modified. During that time its »State« attribute shows the »Preparing« value.

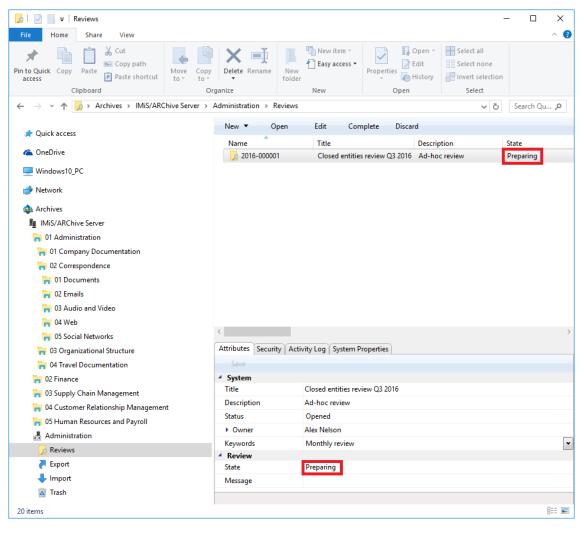


Image 161: Display of a review in the preparation phase

Once IMiS[®]/ARChive Server finishes preparing a list of entities, the value of the »State« attribute changes to »InReview«. The preparation of a review is completed and awaits the decision-making phase.

The entity placed on the list remains on that list even if its retention period is modified after the list was prepared.

During the preparation phase of the review process an error can occur for various reasons. In the event of an error, the review process is automatically cancelled. Such a process does not contain entities on its list and cannot be prepared again. Such a list also cannot be edited. The following attributes change their values:

- The value of the »Status« attribute changes to »Closed«.
- The value of the »State« attribute changes to »Failed«.
- The cause of the cancellation is recorded into the »Message« attribute.

Name	Title	Description	State	Status	Modified
2016-000001	September review - 10 years	Regular review after 10 years	Discarded	Closed	15. 09. 2016 14:55:57
2016-000002	October review - 10 years	Regular review after 10 years	InReview	Opened	15. 09. 2016 14:08:58
2016-000003	January review - 5 years	Regfular review after 5 years	Completed	Closed	15. 09. 2016 14:52:41
2016-000004	Ad-hoc review - Closed	Ad-hoc review	InReview	Opened	15. 09. 2016 15:09:59
2016-000005	Ad-hoc review - Title & Status	Ad-hoc review	Failed	Closed	15. 09. 2016 15:08:03
tributes Security	Activity Log System Properties				
Save					
System					
Title	Ad-hoc review - Title & Statu	s			
Description	Ad-hoc review				
Status	Closed				
Owner	Elwyn Young				
Keywords	review				
Review	_				
State	Failed				
Message		to validate against xsd schema (Erro ild element(s). Expected is one of (F			
te Review state.					
ne neview state.					

Image 162: Display of an error which occurred during the preparation phase of the review process

4.5.2 Decision-making phase

Each review created is visible in the »Reviews« folder, which is contained in the »Administration« system folder. This folder can only be accessed by users who have been assigned the »Review« role.

More information on roles is available in the chapter 3.3.5.2.4 Roles in the IMiS*/ARChive Server user manual.

By selecting the folder, the top right view shows all of the reviews created. By selecting the appropriate review, review pages are shown, containing the entities which are the object of the review process.

🔁 🖓 📑 🖛 2016-000002 201610 review - 10 years							п×
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★ Image: Copy path Pin to Quick Copy Paste Copy path		w Hew item ▼	Properties	Select all Select none			
Clipboard	Organize	New	Open	Select			
← → ~ ↑ 🛃 > Archives > IMiS/ARChive Server	> Administration > Revie	ws > 2016-000002				✓ ♂ Sear	ch Ad 🔎
	A 544 Sauce	Consister Di	contrat =				
> 💻 Windows10_PC	Edit Save		scard Context 🔻				
> 🥏 Network	Title	Created e 1 17. 10. 2016 13	Modified :11:23 17. 10. 2016	Acce	0. 2016 13:11:23	1	
✓ ▲ Archives	Decisions - Page			713.11.25 17.1	0.2010 13.11.25		
✓ III IMIS/ARChive Server							
In Ol Administration							
> 🔒 01 Company Documentation							
V 🐂 02 Correspondence							
> 🐂 01 Documents							
> 🐂 02 Emails							
> 🦙 03 Audio and Video							
> 🠂 04 Web	Attributes Security #	Activity Log System P	roperties				
> 🦙 05 Social Networks	Save						
> 🀂 03 Organizational Structure	 System 						
> 🀂 04 Travel Documentation	Title	201610 review - 10	-				
> 🍟 02 Finance	Description	Review 10 years af Opened	ter entities closed.				
> 🀂 03 Supply Chain Management	> Owner	Grace Layton					
> 🐂 04 Customer Relationship Management	Keywords	regular 10 years					•
> 🀂 05 Human Resources and Payroll	A Review						
✓ ♣ Administration	State	InReview					
✓ D Reviews	Message	Review prepared					
✓ D 2016-000001 Closed entities review Q3 2016	Members	Frank Smith; Gust	av Fridrikson; Giovani Traj	patoni			•
💷 Decisions - Page 1	Action						
> 📙 2016-000002 201610 review - 10 years	Comments	Committee agreed	for all entities				
🔁 Export	Scope	Root					
👆 Import	Query						
> 🛐 Trash	~						
4 items 1 item selected							

Image 163: Display of the review page

In the review the following data is visible for each page:

- Sequential title of page in the »Title« line.
- Date of page creation in the »Created« line.
- Date of last page modification in the »Modified« line.
- Date of last viewing of the page in the »Accessed« line.

Each page contains the final number of entities. The default value is 2,000 entities.

By clicking on the selected page, the top right view shows a list of selected entities. A feature of this list is a display of the action which will be executed for each entity after the entire review process is completed.

An entity which is undergoing the review process can be marked by team members with the following actions:

- »Dispose«: the entity will be disposed of after the process is completed.
- »Permanent«: the entity will never again be selected in the review process. It has been marked for permanent retention.
- »Transfer«: after confirming the transfer and successfully completing the transfer process, the entity will be disposed of.
- »InReview«: an action which does not modify the entity's life span. The entity can be selected in the next transfer process.

The default value of the »Action« attribute is set by the retention policy in the server's configuration. In the event that the entity undergoing the transfer process has several retention policies which contradict one another, the default value of this attribute is »InReview«. Such an entity requires a decision from team members on the type of action. The same applies to the »Reason« attribute.

By clicking on an entity on the list, the bottom right view shows entity information which cannot be modified.

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A Cut Copy path Copy path Copy path Paste Paste shortcut Clipboard	Copy to Organize	New folder New	Properties E	istory Invert selection
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Company Documentation				
🐂 01 Company Formation				
2016-000001 Farewell Dinner for Cliff Baxter				
D2 Agreements and Terms & Conditions	Attributes Security Re	tention Activity Log Sys	tem Properties	
O2 Correspondence	Save			
a 03 Organizational Structure	✓ System			
a 04 Travel Documentation	Title	Company Documentation	on	
D2 Finance	Description Status	Opened [Inherited]		
肓 03 Supply Chain Management	Security class level	Opened [Innented]		
肓 04 Customer Relationship Management	Significance			
	Owner			
🐂 05 Human Resources and Payroll				
🍋 05 Human Resources and Payroll 🛃 Administration	Keywords			
	Keywords			

Image 164: Display of entity tabs during the decision-making process

An entity which is included on the list of an individual review page has the following tabs:

- Attributes (see chapter 4.3.1 General system attributes).
- System Properties (see chapter 4.3.1 General system attributes).
- Review (see chapter 4.3.9 Entity attributes in the decision-making process).

By clicking on the »Navigate to« button in the top command bar, the selected entity is shown in the classification scheme.

After reviewing all of the entities in the review process, team members can choose among the

following actions:

- Modification of the action on an individual entity in the review process.
- Process completion.
- Process cancellation.
- Transfer of entities from IMiS®/ARChive Server.

4.5.2.1 Modification of action on an individual entity

If team members decide that the actions of certain entities must be modified, they can do so with the »Edit« command.

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	Classification code	Title	A	ction	Reason	Comm	ant	
SomeDrive	01.01.01-2016-000016	Mtg w/David Cox - EB	324 F	Review	Default action changed	due to 'Retain' :	_	
This PC	01.01.01-2016-000022	New Products and Cou	ntry for week endin	Permanent `	Default action changed	due to 'Retain' :		
Network	01.01.01-2016-000030	Mtg w/Matthew Scrim	shaw 1	Transfer *	Default action changed	due to 'Retain' :		
	01.01.01-2016-000041	Presentation from Karr	inski's Group "The I [Dispose 👌	Default action changed	due to 'Retain' :		
Archives	01.01.01-2016-000042	Followup w/Mary Joyc	e & David Oxley [Dispose 🕚	Default action changed	d due to 'Retain' :		
IMiS/ARChive Server	01.01.01-2016-000048	Mtg w/Markus Fiala &	Derek Lee - Re: Cre 🛛	Permanent Y	Default action changed	d due to 'Retain' :		
🐂 01 Administration	01.01.01-2016-000052	Alpha Car to collect yo		Dispose	Default action changed	d due to 'Retain' :		
🐂 01 Company Documentation	01.01.01-2016-000057	A/V Equip Prep - 2nd f	oor - Grand Ballroo	Permanent Transfer	Default action changed	d due to 'Retain' :		
🐂 02 Correspondence	01.01.02-2016-000002	Note: Marty Sunde wa		Review	Default action changed	d due to 'Retain' :		
肓 03 Organizational Structure	01.01.02-2016-000009	Open House - Cocktail		Review	Default action changed	due to 'Retain' :		
🐂 04 Travel Documentation	01.01.02-2016-000011	Great Evening	1	Transfer *	Default action changed	d due to 'Retain' :		
🐂 02 Finance	01.01.02-2016-000026	2001 Mileage Reimbur	ement Rate	Review	Default action changed	d due to 'Retain' :		
🐂 03 Supply Chain Management	01.01.02-2016-000029	Herbert Molina exiting	Network Associates [Dispose *	Default action changed	d due to 'Retain' :		
🀂 04 Customer Relationship Management	01.01.02-2016-000046	EnronOnline's Wireless	offering [Dispose	Default action changed	due to 'Retain' :		
🀂 05 Human Resources and Payroll	01.01.02-2016-000054	Enron Holiday - Thank	sgiving Observance [Dispose	Default action changed	due to 'Retain' :		
📇 Administration	01.01.02-2016-000056	Mtg w/Kitchen, Zipper	& Fitz - EB2749 F	Permanent Y	Default action changed	due to 'Retain' :		
😞 Reviews	01.02.01-2016-000003	Give great Texans gifts	this holiday season	Review	Default action changed	due to 'Retain' :		
🛃 2016-000002 October review - 10 years	01.02.01-2016-000011	Re: FW: May position :	sold !!!!!	Transfer Y	Default action changed	due to 'Retain' :		
= Decisions - Page 1	01.02.01-2016-000022	Meeting w/Joe Gold	F	Review	Default action changed	due to 'Retain' :		
🔁 Export	01.02.01-2016-000030	Quick Update	F	Review	Default action changed	d due to 'Retain' :		
👆 Import	01.02.01-2016-000041	Dinner w/Sherriff - Lor	don F	Permanent `	Default action changed	d due to 'Retain' :		
🛐 Trash	01.02.01-2016-000048	Re: DRAFT PRESS RELE		Dispose	Default action changed	due to 'Retain' :		
	01.02.01-2016-000059	ENA 2000 Offsite		Review	Default action changed	due to 'Retain' :		
	01.02.01-2016-000060	Pre-selected NextCard	Visa! As low as 2.995 [Dispose	Default action changed			
	01.02.02-2016-000005	Clickpaper report for 1	2/13/00 to 12/19/00	Transfer	Default action changed	due to 'Retain' :		
	/							

Image 165: List of entities in modification mode

The list is refreshed and the following attributes can be modified:

- Action
- Reason
- Comment.

The value of attributes can be modified by team members directly in the top right view or in the »Review« tab (<u>see chapter 4.3.9 Entity attributes in the decision-making process</u>)

They can specify one of the following actions for each entity:

- »Dispose«: the entity will be disposed of after the process is completed.
- »Permanent«: the entity will never again be selected in the review process.
 It has been marked for permanent retention.
- »Transfer«: after confirming the transfer and successfully completing the transfer process, the entity will be disposed of.
- »InReview«: an action which does not modify the entity's life span. The entity can be selected in the next transfer process.

Every time the »Action« attribute is modified it is recommended that team members also record the reason for the modification in the »Reason« attribute. After finishing reviewing the list, they can implement all modifications with the »Finish« command or undo them with the »Cancel« command.

Both buttons are located in the top command bar.

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ConeDrive ConeDrive	01.01.01-2016-0000	16 Mtg w/David Cox - EB	324	Review	×	Default action changed due to 'Retair		False ×		
Windows10_PC	01.01.01-2016-0000	22 New Products and Cou	ntry for week ending 05/18	V01 Dispose	×	Default action changed due to 'Retair		False ~		
Network	01.01.01-2016-0000	30 Mtg w/Matthew Scrim	shaw	Dispose	×	Default action changed due to 'Retair		False ~		
	01.01.01-2016-0000	41 Presentation from Kan	inski's Group "The Did & A	sk Sp Dispose	×	Default action changed due to 'Retair		False ~		
🚯 Archives	01.01.01-2016-0000	42 Followup w/Mary Joyc	e & David Oxley	Review	× I	Default action changed due to 'Retair		False *		
MiS/ARChive Server	01.01.01-2016-0000	48 Mtg w/Markus Fiala &	Derek Lee - Re: Credit - EB	3324 Review	×	Default action changed due to 'Retair		False ~		
🐂 01 Administration	01.01.01-2016-0000	52 Alpha Car to collect yo	u @ 8:47p.m. for home (28	1922 · Transfer	×	Default action changed due to 'Retair		False ~		
🍋 02 Finance	01.01.01-2016-0000	57 A/V Equip Prep - 2nd f	oor - Grand Ballroom (if y	ou mi 🛛 Transfer	v	Default action changed due to 'Retair		False ×		
🐂 03 Supply Chain Management	01.01.02-2016-0000	02 Note: Marty Sunde wa	nted you to know that Jeff	Rhod: Transfer	×	Default action changed due to 'Retair		False ×		
🠂 04 Customer Relationship Management	01.01.02-2016-0000	09 Open House - Cocktai	Buffet @ the Lay's	Transfer	×	Default action changed due to 'Retair		False ~		
🐂 05 Human Resources and Payroll	01.01.02-2016-0000	11 Great Evening		Permanent	×	Default action changed due to 'Retair		False ×		
🛃 Administration	01.01.02-2016-0000	26 2001 Mileage Reimbur	ement Rate	Permanent	v	Default action changed due to 'Retair		False ×		
😡 Reviews	01.01.02-2016-0000	29 Herbert Molina exiting	Network Associates	Permanent	v	Default action changed due to 'Retair		False ~		
🍌 2016-000002 October review - 10 years	01.01.02-2016-0000	46 EnronOnline's Wireless	offering	Dispose	v	Default action changed due to 'Retair		False ~		
E Decisions - Page 1	Amiliana (0. 11) (0.1									
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🖊 Import										
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	Description	ronowap w/mary Joyce & De	in only							
	Status	Closed								
	Security class level									
	Significance	Retain [Inherited]								
	 Owner 	System Administrator								
	Keywords	3.1199618.P10EHDHQ4JM1M	SKRVYF; 2WM5SBLUKU1ZH	IA						
3 items										8EE

Image 166: Display of the »Finish« and »Cancel« button

If the page has been modified, its title is written in bold in the view.

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	ove Copy Copy Organize	e New folder	Properties Open *	Select all Select none Invert selection Select				^
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 03 Supply Chain Management 04 Customer Relationship Management 05 Human Resources and Payroll Administration Reviews 	Save System	vity Log System Properties October review - 10 years						
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20 Supply Chain Management 24 Customer Relationship Management 26 O Human Resources and Payroll 26 Administration 2016-000002 October review - 10 years 2016-000002 October review - 10 years 2016-000002 October review - 10 years 27 Decisions - Page 1 4 pmport	Save System Title: Description Status Owner Keywords Review State	October review - 10 years Regular review after 10 years Opened Keira Clay review InReview						
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20 Supply Chain Management 24 Customer Relationship Management 26 O Human Resources and Payroll 26 Administration 2016-000002 October review - 10 years 2016-000002 October review - 10 years 2016-000002 October review - 10 years 27 Decisions - Page 1 4 pmport	Save Save System Title Description Status Owner Keywords Review State Message Members Action	October review - 10 years Regular review after 10 years Opened Keira Clay review InReview Review prepared Kkay Rogers; David Tabac; Ro [None]	bert Oxer					
O Supply Chain Management O Customer Relationship Management O Customer Relationship Management O Customer Relationship Management O Customer Resources and Payroll Administration Reviews O 2016-000002 October review - 10 years Decisions - Page 1 Decisions - Page 1 Ipport	Save 4 System Title Description Status b Owner Keywords 4 Review Status Message Members- Action Comments	October review - 10 years Regular review after 10 years Opened Kein Clay review InReview Review prepared Klay Rogers, David Tabac; Ro [None] Very important Q3 review	bert Oxer					
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Image 167: Display of the page which has been modified

Modifications of entities in the review process are not saved to IMiS[®]/ARChive Server until the user selects the »Save« command in the top command bar.

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Windows10_PC							
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IMiS/ARChive Server							
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		October review - 10 years					
2016-000002 October review - 10 years		Regular review after 10 years					
E Decisions - Page 1	Status	Opened					
Z Export	▶ Owner	Keira Clay					
↓ Import	Keywords	review					>
🔊 Trash	A Review						
	State	InReview					
	Message	Review prepared					
	Members•	Klay Rogers; David Tabac; Ro	bert Oxer				>
	Action	[None]					
		Very important Q3 review					
	Scope	Root					
	Query						
items							8==

Image 168: Display of the »Save« command in the review process

4.5.2.2 Cancelling the decision-making phase

The decision-making phase can be cancelled by team members with the »Discard« command in the top command bar.

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Windows10_PC					
Network					
📥 Archives					
IMIS/ARChive Server					
a 01 Administration					
a 02 Finance					
a 03 Supply Chain Management					
a 04 Customer Relationship Management					
🙀 05 Human Resources and Payroll	Attributes Security Acti	vity Log System Properties			
Administration	Save				
Reviews	✓ System				
2016-000002 October review - 10 years	Title	October review - 10 years			
Decisions - Page 1	Description	Regular review after 10 years	;		
Export	Status	Opened			
↓ Import	Owner	Keira Clay			
Trash	Keywords	review			•
in the state	State	InReview			
	Message	Review prepared			
	Members	Klay Rogers; David Tabac; R	obert Oxer		•
	Action	,			
	Comments	Very important Q3 review			
	Scope	Root			
	Query				
3 items					E= 6

Image 169: Cancellation of the review process using the »Discard« command

When cancelling the decision-making phase, the IMiS[®]/ARChive Server:

- Changes the value of the »State« attribute to »Discarded«.
- Changes the value of the »Status« attribute to »Closed«.
- It is entered into the »Message« attribute that the review process has been cancelled by the user. In this case the entire review process must be recreated.

4.5.3 Implementation phase

The decision-making phase is followed by the implementation phase. Team members complete the review with the »Complete« command in the top command bar.

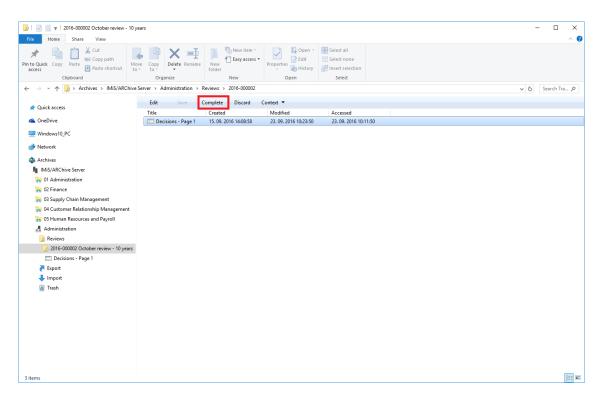


Image 170: Starting the implementation phase by selecting the »Complete« command

IMiS[®]/ARChive Server implements the review process of the disposition, transfer and permanent retention of entities. It automatically creates a full report on the implementation phase and files it among the review contents.

For more information see chapter 4.5.5 Reviewing and classifying documents.

This action completes the review process, which cannot be modified or implemented.

The value of the »Status« attribute changes to »Closed« and the value of the »State« attribute to »Completed«.

In the event of an error during the review process:

- An error description is recorded in the »Message« attribute.
- The value of the »State« attribute changes to »Failed«.
- The value of the »Status« attribute changes to to »Closed«. In this case the entire review process must be recreated.

4.5.4 Transfer of entities from the server

If the review process was also intended for the transfer of entities from IMiS[®]/ARChive Server, this action must be executed prior to completing the process.

The transfer action is executed with two separate processes:

- Exporting from IMiS[®]/ARChive Server to the file system.
- Confirmation of the transfer of entities to a third archive.

4.5.4.1 Exporting to a file system

The user executes the transfer of entities by right-clicking on the selected review, where he selects the »Transfer« command in the pop-up menu under the »Actions« section.



Image 171: Transfer of entities in the review process

After selecting the command, the user is shown a dialog box for setting the transfer parameters.

👜 Transfer dialog		_		\times
Scope sys.Retention.Reviews-2016-000006	Ad-hoc review -	Opened		
Include				
✓ Audit log				
Include metadata file				
Export folder				
C:\Temp\Transfer				
	ОК		Canc	el

Image 172: Setting the transfer parameters

By selecting the »Audit log« option, the audit log for an individual transferred entity can be included in the transfer.

<u>Warning</u>: If the user does not have the AuditLogQuery role and has nevertheless ticked the inclusion of an audit log in the transfer of entities in the transfer dialog box, the transfer is not executed. In the »Documents« context the user will receive the following notification of the reason for the error in the transfer report: »Error acquiring audit log from server«. In the »Include metadata file« section the user invokes a dialog box for selecting an XML file with additional metadata to be included in the transfer by clicking on the »...« button. For a description of the structure of the file with additional metadata <u>see chapter 3.2.3 Format</u> <u>of the additional metadata export file</u>.

In the »Export folder« section the user invokes a dialog box for selecting the folder to which entities in XML format will be transferred by clicking on the »...« button.

The user completes the export process by selecting the digital certificate to be used for signing the XML file containing a transfer report according to the »XML Signature« standard. This ensures the verification of the authenticity of the report and of the exported files.

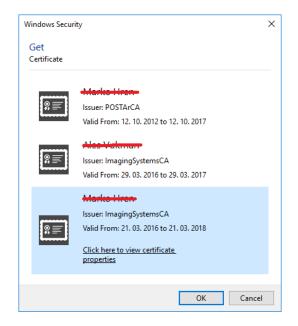


Image 173: Selecting a digital certificate during export

When the export process is completed, the bottom right view of Windows Explorer shows a notification in the form of a pop-up window with the success rate statistics by entity type. The number of successfully exported entities with regard to the number of all entities chosen for export is shown for each entity type. The pop-up window stays open until you click outside of it for the first time.

<u>Warning</u>: Export is executed regardless of whether the user has selected a digital certificate. If the user does not select a digital certificate, the XML file containing the export report is not signed.

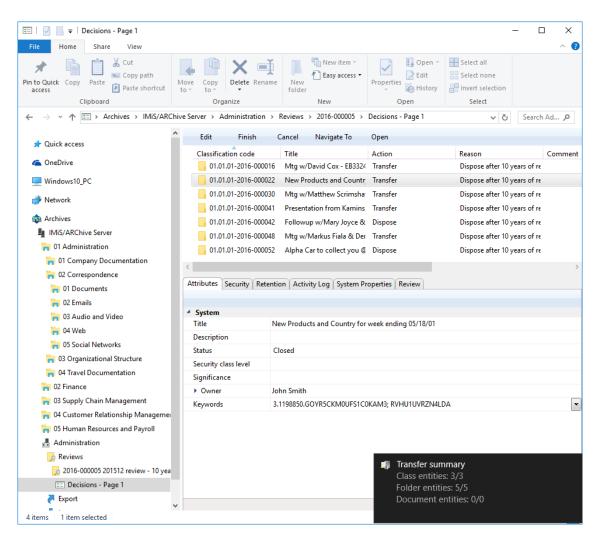


Image 174: Display of the export complete message with success rate statistics

<u>Warning</u>: A user can export different entities to the same export folder several times without having to delete the export files prior to each export. When saving exported entities to the selected export folder, the previous export files are replaced.

4.5.4.1.1 Export phase

At the start of export IMiS[®]/Client creates a new review document.

For more information see chapter 4.5.5 Reviewing and classifying documents.

This document represents a report on export from the archive server. It uses the date and time of the start of export in ISO format as the document title.

During export the following three log files are created in the file system:

- »ExportReport.xml«: An XML file which contains:
 - Statistics of successfully and unsuccessfully exported entities.
 - List of unsuccessfully exported entities (including the classification code).
 - List of successfully exported entities (including the compressed value and full classification code).
- »ExportReport.txt«: contains a report for each successfully or unsuccessfully exported entity.
- »ExportReport_ERROR.txt«: contains a report for each unsuccessfully exported entity, including the returned error message.

Additionally, a utility file for automatic transfer confirmation »TransferConfirmation.csv« is created. With it the user of a third archive can quickly specify which entities will be confirmed as successfully transferred.

In the event of an error when exporting an entity, the error is recorded in the Error report file. After all entities have been exported, the »ExportReport.xml« file is digitally signed with the selected digital certificate according to the XMLDSIG standard. This provides the option of verifying the authenticity of the report and the authenticity of the exported files.

After the first transfer phase - export - is completed, the following log files are attached to the document:

- XML report.
- Report.
- Error report.

4.5.4.1.2 Importing to a third archive system phase

All of the previously created files which contain exported entities must be transferred by the authorized user of the target archive to his location and an import of entities must be executed.

A description of the process of importing to a third archive is not covered by this manual. It is recommended that a confirmation file is created when importing to a third archive, which will enable successful confirmation of the transfer on IMiS[®]/ARChive Server (<u>see chapter</u> <u>3.3 Format of confirmation file during transfer</u>).

4.5.4.2 Transfer confirmation

Prior to completing the transfer the user must execute transfer confirmation for each entity undergoing the review process which has been marked for transfer.

Confirmation can be executed in one of the following ways:

- Manually for each transferred entity.
- Automatically with a confirmation file.

When the review process is completed, only those entities for which transfer has been confirmed are disposed of.

4.5.4.2.1 Manual transfer confirmation

Manual transfer confirmation is executed similarly to the modification of action on an individual entity in the review process (<u>see chapter 4.5.2.1 Modification of action on an individual entity</u>).

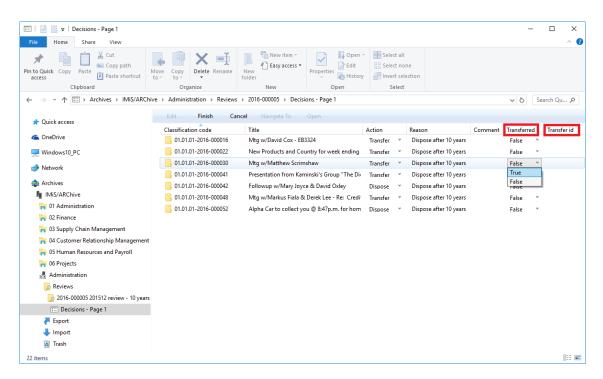


Image 175: Manual transfer confirmation for an individual entity

Team members must specify for each entity on the list whether it has been transferred. They do so by changing the value of the »Transferred« attribute to »Yes« in the drop-down menu. If they wish, they can also enter a reference to the transferred entity by entering the value of the »Transfer id« attribute. After completion the team members select the »Finish« command in the top command bar and then by clicking on the »Save« button save all confirmations to IMiS[®]/ARChive Server.

4.5.4.2.2 Automatic transfer confirmation

If there is a confirmation file from a third archive, team members use it for automatic confirmation of entity transfer. In the »Reviews« folder they select the review for which they wish the transfer confirmation to be executed. By right-clicking, a pop-up menu appears in which they select the »Confirm transfer« command in the »Actions« section.

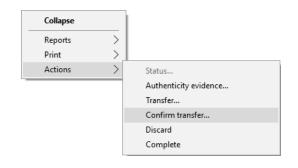


Image 176: Transfer confirmation using a confirmation file.

After selecting the command, a dialog box appears for selecting the confirmation file. They search for the desired file in the file system and confirm their selection with the »Open« command.

→ ✓ ↑ → Windows10_F	PC > Local Disk (C:) > Temp > Transfer	v ⊙	Search Transfer	
rganize 🔻 New folder			: :	- 🔳 (
🖈 Quick access	Name	Date modified	Туре	Size
	ExportData	17. 10. 2016 13:31	File folder	
🖀 OneDrive	TransferConfirmation	17. 10. 2016 13:31	Microsoft Excel C	1 K
h Music				
Pictures Videos Local Disk (C:)				
Pictures Videos Local Disk (C:) Network	sferConfirmation	~	CSV files (*.csv)	



The confirmation of all entities recorded in the confirmation file begins to be executed. For more information <u>see chapter 3.3 Format of the confirmation file during transfer</u>. With the »Cancel« command team members cancel the selection of the confirmation file.

4.5.5 Reviewing and classifying documents

An integral part of the review process is the reviewing and classifying of documents. The user accesses documents by selecting the archive server in the left view of Windows Explorer. Under the expanded list of root classes the user expands the »Administration« system folder in which the »Reviews« folder is located.

By selecting this folder, the top right view shows the already created reviews.

By double-clicking on the desired review, individual pages with entity lists are shown.

4.5.5.1 Reviewing documents

The user selects the appropriate review page with a list of entities. By clicking on the »Context« command in the top command bar, a pop-up menu appears which lists all of the available review contexts. The user selects the »Documents« context.

A list of classified documents appears in the top right view.

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File Home Share View				~ 🤇
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\leftarrow \rightarrow \checkmark \uparrow \checkmark Archives \Rightarrow IMiS/ARChive Server \Rightarrow	Administration > Review	vs > 2016-000003		✓ ♂ Search Ad
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da Archives				-
IMiS/ARChive Server				
all Administration				
a 01 Company Documentation				
a 02 Correspondence				
肓 01 Documents				
🐂 02 Emails				
and Video		ctivity Log System Properties	5	
🐂 04 Web	Save			
🐂 05 Social Networks	 System Title 	201609 review - 5 years		
a 03 Organizational Structure	Description	Regular review 5 years afte	r entities closed	
a 04 Travel Documentation	Status	Opened	rendites closed	
a 02 Finance	 Owner 	Grace Layton		
a 03 Supply Chain Management	Keywords	regular review		•
a 04 Customer Relationship Management	4 Review			
a 05 Human Resources and Payroll	State	InReview		
🕂 Administration	Message	Review prepared		
 Reviews	Members	Jerry Logan; Bradley Smith	; Penelope Deep	•
2016-000001 Closed entities review Q3 2016	Action			
2016-000003 201609 review - 5 years	Comments			
Decisions - Page 1	Scope	Root		
Export	Query			
↓ Import				
4 items 1 item selected				

Image 178: Changing the context during the review of classified contents

Examples of classified contents:

- Report on the implementation phase of the review process.
- Transfer report.
- Custom document.

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Pin to Quick Copy Paste Copy path Correct Copy Copy Copy Copy Copy Copy Copy Copy	Copy to V Organize	New item *	Properties • History Open	Select all Select none Invert selection Select	
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> 🐂 01 Company Documentation					
O2 Correspondence					
> 🐂 01 Documents					
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> 🐂 03 Audio and Video	Save				
> 🐂 04 Web	✓ System				
> 🐂 05 Social Networks	Title	201609 review - 5	years		
> 🀂 03 Organizational Structure	Description	Regular review 5 y	ears after entities closed		
> 🀂 04 Travel Documentation	Status	Opened			
> 🍋 02 Finance	Owner	Grace Layton			
> 🀂 03 Supply Chain Management	Keywords	regular review			
> 🀂 04 Customer Relationship Management	A Review				
> 🀂 05 Human Resources and Payroll	State	Completing			
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2016-000003 201609 review - 5 years	Comments				
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= Decisions - Page 1					
Decisions - Page 1 Export	Query				
⊞ Decisions - Page 1 ₹ Export ↓ Import	Query				

Image 179: Example of displaying inserted documents in »Documents« context

For updating and viewing contents see chapter 4.1.3 Entity information.

4.5.5.2 Classifying new documents

In the event that team members create a team record or other document connected with the review process, they can classify it among review documents.

They can classify new documents into an incomplete review by clicking on the »New« button in the top command bar. The bottom right view shows the attributes of the new document. For updating new content <u>see chapter 4.2.2.2 Entry of metadata</u>.

4.5.6 Viewing selected retention policies

Team members can check which retention policies were used for creating the review. By clicking on the »Context« command in the top command bar, a pop-up menu appears, in which they select »Retention policies« among the available review contexts.

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File Home Share View				~ 😮
★ ↓		New item *		
← → → ↑ 🔛 → Archives → IMiS/ARChive Server →	Administration > Re	/iews > 2016-000003		V Ö Search Ad 🔎
^	New 🔻 Ope		lete Complete Discard	Context 🔻
le OneDrive	Title	Description		Entities
Windows10_PC			d at 2016-10-17T13:31:09.0516244+0	
Network				Retention policies
🚵 Archives				·
IMiS/ARChive Server				
01 Administration				
01 Company Documentation				
02 Correspondence				
01 Documents				
02 Emails				
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05 Social Networks	 System 	201000		
03 Organizational Structure	Title	201609 review - 5		
04 Travel Documentation	Description Status	Opened	ears after entities closed	
a 02 Finance	Owner	Grace Layton		
03 Supply Chain Management	Keywords	regular review		•
04 Customer Relationship Management	 Review 	regular review		
05 Human Resources and Payroll	State	Completing		
Administration	Message	Review in progress	5	
Reviews	Members	Jerry Logan; Bradl	ey Smith; Penelope Deep	•
2016-000001 Closed entities review Q3 2016	Action	Complete		
2016-000003 201609 review - 5 years	Comments			
E Decisions - Page 1	Scope	Root		
Export	Query			
↓ Import				
4 items 1 item selected				

Image 180: Changing the context in retention policies

By clicking on an individual retention policy, the bottom right view shows the attributes of the selected retention policy. For a description of attributes <u>see chapter 4.3.8 Review process</u> <u>attributes</u>.

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CneDrive	Complete Disc	ard Context 🔻			
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04 Travel Documentation	Status Owner	Opened Grace Layton	ears after entities closed		
 04 Travel Documentation 02 Finance 	Status	Opened	ears after entities closed		
 Q4 Travel Documentation Q2 Finance O3 Supply Chain Management 	Status Owner Keywords	Opened Grace Layton	ears after entities closed		
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management O5 Human Resources and Payroll 	Status • Owner Keywords • Review	Opened Grace Layton regular review			
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management O5 Human Resources and Payroll Administration 	Status > Owner Keywords	Opened Grace Layton regular review Completing Review in progres			
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management O5 Human Resources and Payroll Administration Reviews 	Status Owner Keywords Review State Message	Opened Grace Layton regular review Completing Review in progres	5		
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management Q5 Human Resources and Payroll Administration Reviews 2016-000001 Closed entities review Q3 2016 	Status Dwner Keywords Review State Message Members	Opened Grace Layton regular review Completing Review in progres Jerry Logan; Brad	5		
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management Q5 Human Resources and Payroll Administration Reviews 2016-000001 Closed entities review Q3 2016 2016-000003 201609 review - 5 years 	Status Dwner Keywords Review State Message Members Action	Opened Grace Layton regular review Completing Review in progres Jerry Logan; Brad	5		
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management Q5 Human Resources and Payroll Administration Reviews 2016-000001 Closed entities review Q3 2016 2016-000003 201609 review - 5 years Decisions - Page 1 	Status Downer Keywords Review State Message Members Action Comments	Opened Grace Layton regular review Completing Review in progres Jerry Logan; Bradi Complete	5		
 Q4 Travel Documentation Q2 Finance Q3 Supply Chain Management Q4 Customer Relationship Management Q5 Human Resources and Payroll Administration Reviews 2016-000001 Closed entities review Q3 2016 2016-000003 201609 review - 5 years 	Status Downer Keywords Review State Message Members Action Comments Scope	Opened Grace Layton regular review Completing Review in progres Jerry Logan; Bradi Complete	5		

Image 181: Display of the retention policy

4.6 Reports

The IMiS[®]/Client enables users with a »Reports« role on the server to:

- Create reports on folders, documents and their content, as well as user access reports.
- Printing the metadata of a class, folder or document, and the classes (and folders) of the classification scheme.

Access to reports about export and import actions, which include reports on any errors encountered, is available to users that have a »Reports« role on the server and the appropriate access rights for accessing importing and exporting logs. These access rights are granted by the administrator via the »Configure« interface for access rights settings.

4.6.1 Import

Every import action (<u>see chapter 4.2.11 Import</u>) to the IMiS[®]/ARChive Server is recorded in the »Import« folder located in the »Administration« system folder. The folder is accessed through the classification scheme of a selected archive.

The »Import« folder can only be accessed by users with a »Reports« role on the server. More information on roles and permissions is available in *IMiS[®]/ARChive Server manual chapter 3.3.5 Access*.

By selecting the »Import« folder, the top right view will display import documents that were created during individual import events. The title of the document is identical to the date and time the import was started. If no critical error occurred during the import procedure, the document's status will be »Closed«. Documents with a »Closed« status cannot be edited.

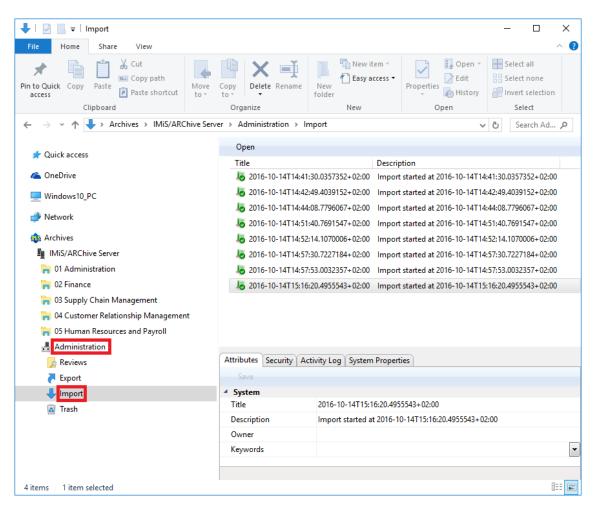


Image 182: Display of the »Import« folder in the »Administration« system folder

Each import document contains the following files:

- »XML Report«: electronically signed XML file that contains:
 - Statistics of successfully and unsuccessfully imported entities.
 - List of failed import attempts (including classification codes).
 - List of successfully imported files (including hash values and full classification codes).
- »Report«: contains a full import log for each imported entity. The log shows the success rate of import and is used to check if the import was satisfactory.
- »Error report«: contains an error log for each unsuccessfully imported entity, including the returned error. Any reasons for an import failure should be checked and fixed, if possible. Users can also attempt to enter the unsuccessfully imported entity into the archive manually.

Attributes Content Security Activity Log System	Properties	
Save Open Add v Remove		
Description	Inserted	Modified
🗋 XML report	14. 10. 2016 15:17:07	14. 10. 2016 15:17:07
Report	14. 10. 2016 15:17:07	14. 10. 2016 15:17:07
Error report	14. 10. 2016 15:17:07	14. 10. 2016 15:17:07
C		
Content for selected entity		

Image 183: List of content contained by an import document

The import document is opened using the »Open« command in the top command bar, or by double clicking. Import files are then listed under the »Content« tab. By double clicking the selected import file, you will open it in the default application. <Report date="2016-07-27T09:30:20.6538377+02:00"><Statistics classSuccess="1" classFailure="0" fileSuccess="1" fileFailure="0" recordSuccess="3" recordFailure="0" /×Failure /×Success×Class classificationCode="119.005.001.001.001.004"
oldClassificationCode="117.002.002.001" hash="AE6CC67711D3629FBA6A8FE5D2BBC75A34C6113BB2D3FF19105DE3E4E0D 3AB6C" hash_algorithm="SHA256">ExportData\class_1.xml</Class><File classificationCode="119.005.001.001.001.004-2016-00001" oldClassificationCode="117.002.002.001-2016-00001" hash="FE030DBBBA79FECC5C84DB64E852692EFB5B375F8EDFDCAB4070060D84D F8130" hash_algorithm="SHA256">ExportData\folder_2.xml</File> <Record classificationCode="119.005.001.001.001.004-2016-00001/00001" oldClassificationCode="117.002.002.001-2016-00001/00002" hash="F9ADC0245F1FF11B7640703E78DB3E644452763D1E64368CB6376CC4A59 5138E" hash_algorithm="SHA256">ExportData\document_3.xml</Record> <Record classificationCode="119.005.001.001.001.004-2016-00001/00002" oldClassificationCode="117.002.002.001-2016-00001/00004" hash="3283C2E06730D6308C2EBEF2B164128B69E0D23140272500E3266068F13 74E37" hash_algorithm="SHA256">ExportData\document_4.xml</Record> <Record classificationCode="119.005.001.001.001.004-2016-00001/00003" oldClassificationCode="117.002.002.001-2016-00001/00007" hash="12EBBC8A883383240C10A6EEC4FF248C3CB8B7C485F060BD792C8B9B468 D380F" hash_algorithm="SHA256">ExportData\document_5.xml</Record> </Success><Retention_And_Disposition_Schedules /><Signature xmlns="http://www.w3.org/2000/09/xmldsig#"><SignedInfo> <CanonicalizationMethod Algorithm="http://www.w3.org/TR/2001/REC-</pre> xml-c14n-20010315" />SignatureMethod Algorithm="http://www.w3.org/2000/09/xmldsig#rsa-shal" />
<Reference URI=""><Transforms>Transform Algorithm="http://www.w3.org/2000/09/xmldsig#enveloped-signature" /></Transforms><DigestMethod Algorithm="http://www.w3.org/2000/09/xmldsig#sha1" /> <DigestValue>kL+S35Ctb1tOdB4CUA/mrbjhkLU=</DigestValue> </Reference></SignedInfo><SignatureValue> EEs+eOL+M8riOVmHnKYHjaOA+hmQwguEoSndVyvPZqXjGNQonIEptZq0A5Hc1Xb66 eCNCapQK19EqxWM4kJtrsMqW3dHiqrUc4rIbGU2XgzuGyo3OD31GTTLHBZFuD0yis zBC0akVVOpw9UmGvZOaF/BZIjwK2J3BRBDg1DwgG4=</SignatureValue> <KeyInfo><X509Data><X509Certificate> $\tt MIIFKDCCAxCgAwIBAgIKckAa6gAAAAABFTANBgkqhkiG9w0BAQUFADBFMRIwEAYKC$ ZImiZPvLGOBGRYCc2kxFDASBgoJkiaJk/IsZAEZFgRpbWlzMRkwFwYDVOODExBJbW FnaW5nU31zdGVtc0NBMB4XDTE2MDMyOTE0MDYzOFoXDTE3MDMyOTE0MDYzOFowTzE ${\tt SMBAGCgmSJomT8ixkARkWAnNpMRQwEgYKCZImiZPyLGQBGRYEaW1pczENMAsGA1UE}$ CxMESU1pUzEUMBIGA1UEAxMLOWx1cvBWdWttYW4wgZ8wD0YJKoZIhvcNAOEBBOADg Y0AMIGJAoGBAKkQrpv+NzqTTEsa699XqWnNQGWkGFHpAjvub2LJ/ozjruZgHyUvAq /YdEMhzkAa39s5RBKVqE6NWD0rxp8jzGJV5RvDsAlwVHAfesZCzI2cmnWJdaKpd9J zoSz2bFjp3muOSjs+FRDBMsxR6J925zOkzVfAaoHXKHkovDJxFzRRAgMBAAGjggGS MIIBjjAVBgkrBgEEAYI3FAIECB4GAEUARgBTMBUGA1UdJQQOMAwGCisGAQQBgjcKA

Image 184: Example signed »XML Report« file with a record of import actions

II Error report(100707338) - Notepad	- 🗆	×
le Edit Format View Help		
016-09-08T10:30:34.9223950+02:00 - ERROR: Unable to import file "c:\temp\Export\document_0.xml". Error "Unspecified DateTime kind is	not allow	ed." ^
016-09-08T10:30:34.9394009+02:00 - ERROR: Unable to import file "c:\temp\Export\document_2.xml". Error "Unspecified DateTime kind is	not allow	ed."
016-09-08T10:30:34.9404016+02:00 - ERROR: Unable to import file "c:\temp\Export\document_5.xml". Error "Napaka pri shranjevanju sprem	emb entite	ete
016-09-08T10:30:43.4045231+02:00 - ERROR: Unable to import file "c:\temp\Export\document_6.xml". Error "Napaka pri shranjevanju sprem	emb entite	ete
016-09-08T10:30:45.5392386+02:00 - ERROR: Unable to import file "c:\temp\Export\document_7.xml". Error "Napaka pri shranjevanju sprem	emb entite	ete
016-09-08T10:30:48.1149235+02:00 - ERROR: Unable to import file "c:\temp\Export\class_0.xml" Audit file has failed. Error Exception o	f type 'IM	۹iS.
016-09-08T10:30:48.1209305+02:00 - ERROR: Unable to import file "c:\temp\Export\class_2.xml". Error "Napaka pri kreiranju entitete na	arhivu 'l	IMiS
016-09-08T10:30:50.1609391+02:00 - ERROR: Unable to import file "c:\temp\Export\class_3.xml". Error "Napaka pri kreiranju entitete na	arhivu 'l	IMiS
016-09-08T10:30:50.1659426+02:00 - ERROR: Unable to import file "c:\temp\Export\document_13.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:51.8542710+02:00 - ERROR: Unable to import file "c:\temp\Export\class_10.xml" Audit file has failed. Error Exception	of type 'I	IMiS
016-09-08T10:30:51.8590531+02:00 - ERROR: Unable to import file "c:\temp\Export\document_18.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:53.1033754+02:00 - ERROR: Unable to import file "c:\temp\Export\document_20.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:53.1093764+02:00 - ERROR: Unable to import file "c:\temp\Export\document_25.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:54.5747867+02:00 - ERROR: Unable to import file "c:\temp\Export\document_27.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:54.5837907+02:00 - ERROR: Unable to import file "c:\temp\Export\document_34.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:55.8370871+02:00 - ERROR: Unable to import file "c:\temp\Export\document_38.xml". Error "Napaka pri shranjevanju spre	memb entit	tete
016-09-08T10:30:55.8420893+02:00 - ERROR: Unable to import file "c:\temp\Export\class_3.xml". Error "Napaka pri kreiranju entitete na	arhivu ']	IMiS
		~
		> .::

Image 185: Example »Error report« log with a list of import errors

Pheprility 2013 Notepad		
<pre>2016-11.03T16:33:39.972523-40:00 - Importing retention file "ExportData\retention_and disposition_584.xml". 2016:11.03T16:33:39.972523-40:00 - Imported 01.03.01.2016-000008 "EES Van Report for 05:17-01" (01.01.01.2016-000008) into "01.05.01.2016-000008 2016:11.03T16:40:03.418704-01:00 - Imported 01.03.01.2016-000008 "EES Van Report for 05:17-01" (01.01.01.2016-000008) into "01.05.01.2016-000008 2016:11.03T16:40:03.418704-01:00 - Importing document file "ExportDataVocument_79.xml". 2016:11.03T16:40:03.418704-01:00 - Importing document file "ExportDataVocument_79.xml". 2016:11.03T16:40:03.4228705401:00 - Reporting document file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.4228705401:00 - Reporting document file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.4228706401:00 - Importing document file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.4228706401:00 - Importing document file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.4228706401:00 - Importing document file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.5408823-401:00 - Importing folder file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.5408823-401:00 - Importing folder file "ExportDataVocument_80.xml". 2016:11.03T16:40:03.5508805401:00 - Importing folder file "ExportDataVocument_90.xml". 2016:11.03T16:40:03.5508805401:00 - Importing folder file "ExportDataVocument_90.xml". 2016:11.03T16:40:03.5508805401:00 - Importing folder file "ExportDataVolder_40.xml". 2016:11.03T16:40:03.5508805401:00 - Importing folder file "ExportDataVolder_40.xml". 2016:11.03T16:40:03.5508805401:00 - Importing folder file "ExportVolder_40.xml". 2016:11.03T16:40:03.5508805401:00 - Importing folder file "ExportVolder_40.xml". 2016:11.03T16:40</pre>	Report(100707338) - Notepad	– 🗆 X
<pre>2016.11-03T16:03:03.9775293+00:00 - Imported 01.01.01-200-000088 "EES VAR Report for 05.17-01" (01.01.01.0216-000008 "EES VAR Report for 05.17-01" (01.01.01.0216-000008) Z016.11-03T16:40:03.34218704+01:00 - ERROR: Unable to import file "ExportDataVocument_79.xml". 2016.11-03T16:40:03.4218704+01:00 - ERROR: Unable to import file "ExportDataVocument_80.xml". 2016.11-03T16:40:03.4218704+01:00 - ERROR: Unable to import file "ExportDataVocument_80.xml". 2016.11-03T16:40:03.4218704+01:00 - ERROR: Unable to import file "ExportDataVocument_80.xml". 2016.11-03T16:40:03.4218704+01:00 - Importing document file "ExportDataVocument_80.xml". 2016.11-03T16:40:03.4218706+01:00 - Importing folder file "ExportDataVocument_90.xml". 2016.11-03T16:40:03.53885140:00 - Importing folder file "ExportDataVocument_90.xml". 2016.11-03T16:40:03.55388540:00 - ERROR: Unable to import file "ExportDataVocument_90.xml". 2016.11-03T16:40:03.55388540:00 - ERROR: Unable to import file "ExportDataVocument_90.xml". 2016.11-03T16:40:03.55388540:00 - ERROR: Unable to import file "ExportDataVocument_40.xml". 2016.11-03T16:40:03.55388540:00 - ERROR: Unable to import file "ExportVataVocumet_140.xml". 2016.11-03T16:40:03.553883540:00 - ERROR: Unable to import file "ExportVocumet_140.xml". 2016.11-03T16:40:03.553883740:00 - ERROR: Unable to import file "ExportVocumet_18.xml". 2016.11-03T16:40:03.553883740:00 - ERROR: Unable to import file "ExportVolder_40.xml". 2016.11-03T16:40:03.553883740:00 - ERROR: Unable to import file "ExportVo</pre>	File Edit Format View Help	
<pre>2016-11-03T16:40:03.4196702+00:00 - Imported "01.01.01-2016-000008" "EES VaR Report For 05.17-01" (01.01.01.2016-000008) into "01.05.01-2016-000008 2016-11-03T16:40:03.4218704+01:00 - Importing document file "ExportDataVdocument_79.xml". 2016-11-03T16:40:03.4218704+01:00 - Importing document file "ExportDataVdocument_79.xml". 2016-11-03T16:40:03.4218704+01:00 - Importing document file "ExportDataVdocument_80.xml". 2016-11-03T16:40:03.4218704+01:00 - Importing document file "ExportDataVdocument_80.xml". 2016-11-03T16:40:03.4228705+01:00 - Importing document file "ExportDataVdocument_80.xml". 2016-11-03T16:40:03.4228705+01:00 - Importing folder file "ExportDataVdocument_80.xml". 2016-11-03T16:40:03.4228706+01:00 - Importing folder file "ExportDataVdocument_80.xml". 2016-11-03T16:40:03.4228706+01:00 - Importing folder file "ExportDataVdocument_90.xml". 2016-11-03T16:40:03.5408823+00:00 - Importing folder file "ExportDataVdocument_90.xml". 2016-11-03T16:40:03.540883+00:00 - Importing folder file "ExportDataVdocument_90.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportDataVdocument_90.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportDataVdocument_90.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportDataVdocument_104.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportDataVdocument_104.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportVataVdocument_104.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportVataVdocument_104.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportVataVdocument_104.xml". 2016-11-03T16:40:03.553803+00:00 - Importing folder file "ExportVdocument_104.xml". 2016-11-03T16:40:03.5548037+00:00 - Importing folde</pre>	2016-11-03T16:33:39.9725293+01:00 -	Importing retention file "ExportData\retention and disposition 584.xml".
<pre>2016-11-0316:40:03.4218704401:00 - Importing document file "ExportData\document_79.xml" XML deserialize error. Error "Could not find file ' 2016-11-0316:40:03.4218704401:00 - Importing document file "ExportData\document_80.xml". 2016-11-0316:40:03.4218704401:00 - Importing document file "ExportData\document_80.xml". 2016-11-0316:40:03.4228705+01:00 - Importing document file "ExportData\document_80.xml". 2016-11-0316:40:03.4228705+01:00 - Importing document file "ExportData\document_80.xml". 2016-11-0316:40:03.4228705+01:00 - Importing document file "ExportData\document_80.xml". 2016-11-0316:40:03.4238706+01:00 - Importing document file "ExportData\document_80.xml". 2016-11-0316:40:03.4238706+01:00 - Importing document file "ExportData\document_90.xml". 2016-11-0316:40:03.538836401:00 - Importing folder file "ExportData\document_90.xml". 2016-11-0316:40:03.538836401:00 - Importing folder file "ExportData\document_90.xml". 2016-11-0316:40:03.558836401:00 - ERROR: Unable to import file document file "A:000000" PM:: Reiterate Buy; Believe Leadership Still Intact" (01.01.01.0216-000009) in 2016-110-0316:40:03.558836401:00 - ERROR: Unable to import file document file "ExportData\document_90.xml". 2016-11-0316:40:03.558836401:00 - ERROR: Unable to import file document file "ExportData\folder_263.xml". 2016-11-0316:40:03.558836401:00 - ERROR: Unable to import file "ExportData\folder_264.xml". 2016-11-0316:40:03.558836401:00 - ERROR: Unable to import file "ExportData\folder_264.xml". 2016-11-0316:40:03.558836401:00 - ERROR: Unable to import file "ExportVolder_463.xml". 2016-11-0316:40:03.558836401:00 - ERROR: Unable to import file "ExportVolder_464.xml". 2016-11-0316:40:03.558837401:00 - ERROR: Unable to import file "ExportVolder_465.xml". 2016-11-0316:40:03.</pre>	2016-11-03T16:33:39.9725293+01:00 -	Importing retention file "ExportData\retention and disposition 585.xml".
<pre>2016-11-0316:40:03.4218704401:00 - ERROR: Unable to import file "ExportData\document 79.xml" XML deserialize error. Error "Could not find file ' 2016-11-0316:40:03.4228705+01:00 - ERROR: Unable to import file "ExportData\document 80.xml". 2016-11-0316:40:03.4228705+01:00 - ERROR: Unable to import file "ExportData\document 80.xml". 2016-11-0316:40:03.4228705+01:00 - Importing document file "ExportData\document 80.xml". 2016-11-0316:40:03.4228705+01:00 - Importing document file "ExportData\document 80.xml". 2016-11-0316:40:03.4228706+01:00 - Importing folder file "ExportData\document 80.xml". 2016-11-0316:40:03.4228706+01:00 - Importing folder file "ExportData\document 60.xml". 2016-11-0316:40:03.538836401:00 - Importing document file "ExportData\document 60.xml". 2016-11-0316:40:03.538836401:00 - Importing folder file "ExportData\document 60.xml". 2016-11-0316:40:03.5538836401:00 - Importing folder file "ExportData\document 74.xml". 2016-11-0316:40:03.5538836401:00 - Importing folder file "ExportData\document 18.xml". 2016-11-0316:40:03.5538836401:00 - Importing folder file "ExportUda\document 18.xml". 2016-11-0316:40:03.5538836401:00 - Importing folder file "Export\document 18.xml". 2016-11-0316:40:03.5548837401:00 - Importing folder file "Export\document 18.xml". 2016-11-0316:40:03.5548837401:00 - ERROR: Unable to import file document 18.xml". 2016-11-0316:40:03.5548837401:00 - Importing folder file "Export\document 79.xml". 2016-11-0316:40:03.5548837401:00 - ERROR: Unable to import file document 79.xml". 2016-11-0316:40:03.5548837401:00 - ERROR: Unable to import file document 79.xml". 2016-11-0316:40:03.5548837401:00 - ERROR: Unable to import file document 79.xml". 2016-11-0316:40:03.5548837401:00 - Importing folder file "Export\folder 79.xml". 201</pre>	2016-11-03T16:40:03.4198702+01:00 -	Imported 01.01.01-2016-000008 "EES VaR Report for 05-17-01" (01.01.01-2016-000008) into "01.05.01-2016-000008
<pre>2016-11-03T16:40:33.4213704-01:00 - Importing document file "ExportData\document 80.xml" XML deserialize error. Error "Could not find file ' 2016-11-03T16:40:33.4223705+01:00 - Importing document file "ExportData\document 80.xml" XML deserialize error. Error "Could not find file ' 2016-11-03T16:40:33.4223705+01:00 - Importing document file "ExportData\document 80.xml" XML deserialize error. Error "Could not find file ' 2016-11-03T16:40:33.4223705+01:00 - Importing document file "ExportData\document 80.xml". 2016-11-03T16:40:33.4238706+01:00 - Importing document file "ExportData\document 90.xml". 2016-11-03T16:40:33.538836+01:00 - Importing folder file "ExportData\folder_43.xml". 2016-11-03T16:40:35.538836+01:00 - Importing folder file "ExportData\folder_43.xml". 2016-11-03T16:40:35.538836+01:00 - ERROR: Unable to import file "ExportData\folder_444.xml". 2016-11-03T16:40:35.538836+01:00 - Importing folder file "ExportVolder_444.xml". 2016-11-03T16:40:35.538836+01:00 - Importing folder file "ExportVolder_444.xml". 2016-11-03T16:40:35.548837+01:00 - ERROR: Unable to import file "ExportVolder_450.xml". 2016-11-03T16:40:35.548837+01:00 - ERROR: Unable to import file "ExportVolder_450.xml". 2016-11-03T16:40:35.548837+01:00 - ERROR: Unable to import file "ExportVolder_950.xml". 2016-11-03T16:40:35.548837+01:00 - Importing folder file "ExportVolder_950.xml". 2016-11-03T16:40:35.548837+01:00 - Importing folder file "ExportVolder_950.xml". 2016-11-03T16:40:35.548837+01:00 - Importing folder file "ExportVolder_50.xml". 2016-11-03T16:40:35.558883+01:00 - Importing folder file "ExportVolder_50.xml". 2016-11-03T16:40:35.558883+01:00 - Importing folder file "E</pre>	2016-11-03T16:40:03.4218704+01:00 -	Importing document file "ExportData\document 79.xml".
<pre>2016-11-03T16:40:3.4228705-01:00 - ERROR: Unable to import file "ExportData\document_81.xml". 2016-11-03T16:40:3.4228706-01:00 - Importing document file "ExportData\document_88.xml". 2016-11-03T16:40:3.4228706-01:00 - Importing document file "ExportData\document_88.xml". 2016-11-03T16:40:3.4228706-01:00 - Importing folder file "ExportData\document_98.xml". 2016-11-03T16:40:3.4238706-01:00 - Importing folder file "ExportData\document_98.xml". 2016-11-03T16:40:3.538836-01:00 - Importing folder file "ExportData\document_98.xml". 2016-11-03T16:40:3.558836-01:00 - Importing folder file "ExportData\document_98.xml". 2016-11-03T16:40:3.558836-01:00 - Importing folder file "ExportData\dolder_452.xml". 2016-11-03T16:40:3.558836-01:00 - ERROR: Unable to import file "ExportData\dolder_463.xml". 2016-11-03T16:40:3.558836-01:00 - ERROR: Unable to import file "ExportData\dolder_463.xml". 2016-11-03T16:40:3.558836-01:00 - ERROR: Unable to import file "ExportData\dolder_474.xml". 2016-11-03T16:40:3.558836-01:00 - ERROR: Unable to import file "ExportVolder_474.xml" AML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:3.558837-01:00 - ERROR: Unable to import file "Export\dolder_496.xml". 2016-11-03T16:40:3.5548837-01:00 - ERROR: Unable to import file "Export\dolder_496.xml". Error "Napaka pri shranjevanju sprememb entite 2016-11-03T16:40:3.5548837-01:00 - ERROR: Unable to import file "Export\dolder_90.xml". 2016-11-03T16:40:3.5548837-01:00 - Importing folder file "Export\folder_90.xml". 2016-11-03T16:40:3.5548837-01:00 - Importing folder file "Export\folder_90.xml". 2016-11-03T16:40:3.5558838-01:00 - Impor</pre>	2016-11-03T16:40:03.4218704+01:00 -	ERROR: Unable to import file "ExportData\document 79.xml" XML deserialize error. Error "Could not find file '
<pre>2016-11-03T16:40:0.4228705+01:00 - Importing document file "ExportData\document_81.xml". 2016-11-03T16:40:0.4228705401:00 - Importing document file "ExportData\document_88.xml". 2016-11-03T16:40:0.4228706401:00 - Importing folder file "ExportData\document_99.xml". 2016-11-03T16:40:0.538831401:00 - Importing folder file "ExportData\document_99.xml". 2016-11-03T16:40:0.538836401:00 - Importing folder file "ExportData\document_90.xml". 2016-11-03T16:40:0.538836401:00 - Importing folder file "ExportData\document_90.xml". 2016-11-03T16:40:0.53883840:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03T16:40:0.538836401:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03T16:40:0.538836401:00 - ERROR: Unable to import file "ExportData\folder_443.xml". 2016-11-03T16:40:0.538836401:00 - ERROR: Unable to import file "ExportVada.wnl". 2016-11-03T16:40:0.538836401:00 - ERROR: Unable to import file "ExportVada.wnl". 2016-11-03T16:40:0.538836401:00 - ERROR: Unable to import file "ExportVada.wnl". 2016-11-03T16:40:0.538837401:00 - ERROR: Unable to import file "ExportVdocument_18.xml". Error "Napaka pri shranjevanju sprememb entite 2016-11-03T16:40:0.5358837401:00 - ERROR: Unable to import file "ExportVfolder_496.xml". 2016-11-03T16:40:0.5548837401:00 - Importing folder file "ExportVfolder_496.xml". 2016-11-03T16:40:0.5548837401:00 - Importing folder file "ExportVfolder_518.xml". 2016-11-03T16:40:0.5548837401:00 - Importing folder file "ExportVfolder_518.xml". 2016-11-03T16:40:0.5558838401:00 - Importing folder file "ExportVfolder_518.xml". 2016-11-03T16:40:0.5558838401:00 - Importing folder</pre>	2016-11-03T16:40:03.4218704+01:00 -	Importing document file "ExportData\document 80.xml".
<pre>2016-11-03116:40:03.4238706+01:00 - Importing document file "ExportData\document_88.xml". 2016-11-03116:40:03.4238706+01:00 - Importing folder file "ExportData\folder_89.xml". 2016-11-03116:40:03.5368819+01:00 - Importing folder file "ExportData\folder_45.xml". 2016-11-03116:40:03.538836+01:00 - Importing folder file "ExportData\folder_45.xml". 2016-11-03116:40:03.538836+01:00 - Importing folder file "ExportData\folder_45.xml". 2016-11-03116:40:03.538836+01:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03116:40:03.5538836+01:00 - Importing folder file "ExportData\folder_474.xml". 2016-11-03116:40:03.5538836+01:00 - Importing folder file "ExportData\folder_474.xml". 2016-11-03116:40:03.5538836+01:00 - Importing folder file "ExportData\folder_474.xml". 2016-11-03116:40:03.5538836+01:00 - Importing folder file "ExportData\folder_474.xml". 2016-11-03116:40:03.558836+01:00 - Importing folder file "ExportLotal\folder_474.xml". 2016-11-03116:40:03.5548837+01:00 - Importing folder file "ExportLotal\folder_474.xml". 2016-11-03116:40:03.5548837+01:00 - Importing folder file "ExportLotaler_474.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "ExportLotaler_496.xml". 2016-11-03116:40:03.5548837+01:00 - Importing folder file "ExportLotaler_496.xml". 2016-11-03116:40:03.5558838+01:00 - Importing folder file "ExportLotaler_50.xml". 2016-11-03116:40:03.5558838+01:00 - Importing folder file "ExportLotaler_50.xml". 2016-11-03116:40:03.5558838+01:00 - Importing folder file "Ex</pre>	2016-11-03T16:40:03.4228705+01:00 -	ERROR: Unable to import file "ExportData\document 80.xml" XML deserialize error. Error "Could not find file '
<pre>2016-11-03116:40:03.4238766401:00 - Importing folder file "ExportData\folder_98.xml". 2016-11-03116:40:03.5408823+01:00 - Imported 01.01.01-2016-000009 "ENE: Reiterate Buy; Believe Leadership Still Intact" (01.01.01-2016-000009) in 2016-11-03116:40:03.5408823+01:00 - Importing folder file "ExportData\folder_452.xml". 2016-11-03116:40:03.5538386+01:00 - Importing folder file "ExportData\folder_452.xml". 2016-11-03116:40:03.5538386+01:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03116:40:03.5538386+01:00 - ERROR: Unable to import file "ExportData\folder_474.xml". 2016-11-03116:40:03.5538386+01:00 - ERROR: Unable to import file "ExportData\folder_474.xml". 2016-11-03116:40:03.5538386+01:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03116:40:03.5538836+01:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_96.xml". 2016-11-03116:40:03.5548837+01:00 - Importing folder file "Export\folder_507.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_96.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_518.xml". 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_518.xml". 2016-11-03116:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_51.xml". 2016-11-03116:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_51.xml". 2016-11-03116:40:03.5</pre>	2016-11-03T16:40:03.4228705+01:00 -	Importing document file "ExportData\document 81.xml".
<pre>2016-11-03116:40:03.5368819+01:00 - Imported 01.01.01-2016-000009 "ENE: Resirence Buy; Believe Leadership Still Intact" (01.01.01-2016-000009) in 2016-11-03116:40:03.5538836+01:00 - Importing folder file "ExportData\folder_452.xml". 2016-11-03116:40:03.5538836+01:00 - Importing folder file "ExportData\folder_452.xml". 2016-11-03116:40:03.5538836+01:00 - ERROR: Unable to import file "ExportData\folder_474.xml" XML deserialize error. Error "Could not find file 'C.\Te 2016-11-03116:40:03.5538836+01:00 - ERROR: Unable to import file "ExportLata\folder_474.xml" XML deserialize error. Error "Could not find file 'C.\Te 2016-11-03116:40:03.5538836+01:00 - ERROR: Unable to import file "ExportLata\folder_474.xml" XML deserialize error. Error "Could not find file 'C.\Te 2016-11-03116:40:03.5538836+01:00 - ERROR: Unable to import file "Export\folder_476.xml" XML deserialize error. Error "Could not find file 'C.\Te 2016-11-03116:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03116:40:03.5548837+01:00 - Importing folder file "Export\folder_507.xml". 2016-11-03116:40:03.5548837+01:00 - Importing folder file "Export\folder_51.xml". 2016-11-03116:40:03.5558838+01:00 - Importing folder file "Export\folder_51.xml". 2016-11-03116:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_51.xml". 2016-11-03116:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_52.xml". 2016-11-03116:40:03.5558838+01:00 - ERROR: Unable to import file "Expo</pre>	2016-11-03T16:40:03.4238706+01:00 -	Importing document file "ExportData\document 88.xml".
<pre>2016-11-03T16:40:03.55408324-01:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03T16:40:03.553836401:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03T16:40:03.553836401:00 - ERROR: Unable to import file "ExportData\folder_463.xml" XML deserialize error. Error "Could not find file 'C 2016-11-03T16:40:03.553836401:00 - ERROR: Unable to import file "ExportData\folder_474.xml". 2016-11-03T16:40:03.553836401:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03T16:40:03.5538836401:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03T16:40:03.5538836401:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03T16:40:03.5548837401:00 - ERROR: Unable to import file "c:\temp\Export\folder_18.xml". 2016-11-03T16:40:03.5548837401:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837401:00 - ERROR: Unable to import file "Export\folder_406.xml". 2016-11-03T16:40:03.5558838401:00 - ERROR: Unable to import file "Export\folder_406.xml". 2016-11-03T16:40:03.5558838401:00 - ERROR: Unable to import file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838401:00 - ERROR: Unable to import file "Export\folder_551.xml". 201</pre>	2016-11-03T16:40:03.4238706+01:00 -	Importing folder file "ExportData\folder 89.xml".
<pre>2016-11-03T16:40:03.553836-01:00 - Importing folder file "ExportData\folder_452.xml". 2016-11-03T16:40:03.553836-01:00 - ERROR: Unable to import file "ExportData\folder_463.xml" XML deserialize error. Error "Could not find file 'C 2016-11-03T16:40:03.553836-01:00 - ERROR: Unable to import file "ExportData\folder_474.xml". 2016-11-03T16:40:03.553836-01:00 - Importing folder file "ExportData\folder_474.xml". 2016-11-03T16:40:03.553836-01:00 - ERROR: Unable to import file "ExportLodcument_18.xml". 2016-11-03T16:40:03.553836-01:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03T16:40:03.554837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.554837+01:00 - ERROR: Unable to import file "Export\folder_50.xml". 2016-11-03T16:40:03.554837+01:00 - ERROR: Unable to import file "Export\folder_50.xml". 2016-11-03T16:40:03.554837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.554837+01:00 - ERROR: Unable to import file "Export\folder_50.xml". 2016-11-03T16:40:03.554837+01:00 - ERROR: Unable to import file "Export\folder_406.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_51.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_51.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR:</pre>	2016-11-03T16:40:03.5368819+01:00 -	Imported 01.01.01-2016-000009 "ENE: Reiterate Buy; Believe Leadership Still Intact" (01.01.01-2016-000009) in
<pre>2016-11-03T16:40:03.5538836+01:00 - Importing folder file "ExportData\folder_463.xml". 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "ExportData\folder_463.xml" XML deserialize error. Error "Could not find file 'C 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "ExportData\folder_474.xml". 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "Export\folder_474.xml". 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "C:\tempLExport\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_540.xml". 2016-11-03T16:40:03.558838+01:00 - ERROR: Unable to import file "Export\folder_540.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_540.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to</pre>	2016-11-03T16:40:03.5408823+01:00 -	<pre>Importing document file "ExportData\document_90.xml".</pre>
<pre>2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "ExportData\folder_463.xml" XML deserialize error. Error "Could not find file 'C 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "ExportData\folder_474.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "Export\folder_474.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_474.xml". XML deserialize error. Error "Napaka pri shranjevanju sprememb entite 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_50.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_50.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_50.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:0</pre>	2016-11-03T16:40:03.5538836+01:00 -	Importing folder file "ExportData\folder_452.xml".
<pre>2016-11-03T16:40:03.5538836+01:00 - Importing folder file "ExportData\folder_474.xml". 2016-11-03T16:40:03.5538836+01:00 - Importing folder file "Export\folder_474.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5538836+01:00 - Importing folder file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_960.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_507.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_510.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_520.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_510.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_510.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_52.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_510.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+0</pre>	2016-11-03T16:40:03.5538836+01:00 -	Importing folder file "ExportData\folder_463.xml".
<pre>2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "Export\folder_474.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5538836+01:00 - ERROR: Unable to import file "c:\temp\Export\document_18.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_592.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_529.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_591.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-</pre>	2016-11-03T16:40:03.5538836+01:00 -	ERROR: Unable to import file "ExportData\folder_463.xml" XML deserialize error. Error "Could not find file 'C
<pre>2016-11-03T16:40:03.5538836+01:00 - Importing folder file "Export\document_18.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri shranjevanju sprememb entite 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_507.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_519.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_529.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:0</pre>	2016-11-03T16:40:03.5538836+01:00 -	Importing folder file "ExportData\folder 474.xml".
<pre>2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "c:\temp\Export\document_18.xml". Error "Napaka pri shranjevanju sprememb entite 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_507.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_529.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_510.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml" 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml" 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml" 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016</pre>	2016-11-03T16:40:03.5538836+01:00 -	ERROR: Unable to import file "Export\folder_474.xml" XML deserialize error. Error "Could not find file 'C:\Te
<pre>2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_496.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_592.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_592.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_550.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xm</pre>	2016-11-03T16:40:03.5538836+01:00 -	Importing folder file "Export\document_18.xml".
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<pre>2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_529.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_550.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". MLL deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T</pre>	2016-11-03T16:40:03.5548837+01:00 -	ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97.
<pre>2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_518.xml". 2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_529.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.555883</pre>	2016-11-03T16:40:03.5548837+01:00 -	<pre>Importing folder file "Export\folder_507.xml".</pre>
<pre>2016-11-03T16:40:03.5548837+01:00 - Importing folder file "Export\folder_529.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_540.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml".</pre>	2016-11-03T16:40:03.5548837+01:00 -	ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97.
<pre>2016-11-03116:40:03.5548837+01:00 - Importing folder file "Export\folder_540.xml". 2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export\folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_552.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import f</pre>	2016-11-03T16:40:03.5548837+01:00 -	<pre>Importing folder file "Export\folder_518.xml".</pre>
2016-11-03T16:40:03.5548837+01:00 - ERROR: Unable to import file "Export/folder_496.xml". Error "Napaka pri kreiranju entitete na arhivu 'iarc97. 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export/folder_551.xml". XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export/folder_552.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export/folder_562.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export/folder_562.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export/folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te Class entities: OK(1) Fail(0) Folder entities: OK(2) Fail(64)	2016-11-03T16:40:03.5548837+01:00 -	<pre>Importing folder file "Export\folder_529.xml".</pre>
2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_551.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_551.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te Class entities: OK(1) Fail(0) Folder entities: OK(2) Fail(64)	2016-11-03T16:40:03.5548837+01:00 -	Importing folder file "Export\folder_540.xml".
2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export/folder_551.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export/folder_562.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export/folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export/folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: U		
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2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_562.xml" XML deserialize error. Error "Could not find file 'C:\Te 2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te Class entities: OK(1) Fail(0) Folder entities: OK(2) Fail(44) Document entities: OK(25) Fail(64)	2016-11-03T16:40:03.5558838+01:00 -	ERROR: Unable to import file "Export\folder_551.xml" XML deserialize error. Error "Could not find file 'C:\Te
2016-11-03T16:40:03.5558838+01:00 - Importing folder file "Export\folder_573.xml". 2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te Class entities: OK(1) Fail(0) Folder entities: OK(2) Fail(44) Document entities: OK(25) Fail(64)	2016-11-03T16:40:03.5558838+01:00 -	<pre>Importing folder file "Export\folder_562.xml".</pre>
2016-11-03T16:40:03.5558838+01:00 - ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te Class entities: OK(1) Fail(0) Folder entities: OK(9) Fail(44) Document entities: OK(25) Fail(64)	2016-11-03T16:40:03.5558838+01:00 -	ERROR: Unable to import file "Export\folder_562.xml" XML deserialize error. Error "Could not find file 'C:\Te
Class entities: OK(1) Fail(0) Folder entities: OK(9) Fail(44) Document entities: OK(25) Fail(64)	2016-11-03T16:40:03.5558838+01:00 -	Importing folder file "Export\folder_573.xml".
Folder entities: OK(9) Fail(44) Document entities: OK(25) Fail(64)	2016-11-03T16:40:03.5558838+01:00 -	ERROR: Unable to import file "Export\folder_573.xml" XML deserialize error. Error "Could not find file 'C:\Te
Document entities: OK(25) Fail(64)		
< >>	Document entities: OK(25) Fail(64)	
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Image 186: Example »Report« log with a list of errors and the overall import success rate

4.6.2 Export

Every export action (<u>see chapter 4.2.12 Export</u>) from the IMiS[®]/ARChive Server is recorded in the »Export« folder located in the »Administration« system folder. The folder is accessed through the classification scheme of a selected archive.

The »Export« folder can only be accessed by users with a »Reports« role on the server. More information on roles and permissions is available in *IMiS® /ARChive Server manual chapter 3.3.5 Access procedures*.

By selecting the »Export« folder, the top right view will display export documents that were created during individual export events. The title of the document is identical to the date and time the export was started. If no critical error occurred during the export procedure, the document's status will be »Closed«. Documents with a »Closed« status cannot be edited.

📕 📄 🤿 📕 🗢 Export				- 🗆	×
File Home Share View					^ (
A Cut Copy path Copy Paste shortcut	Copy to Delete Rename	New item *	Properties 🖉 History	Select all Select none Invert selection	1
Clipboard	Organize		Open		
← → ∽ ↑ 🦰 > Archives > IMiS/ARChive Ser	ver > Administration > E	xport	``````````````````````````````````````	✓ Ö Search Ad	<u>م</u>
	Open				
🖈 Quick access	Title	Desc	ription		
a OneDrive	lo 2016-10-14T13:44		rt started at 2016-10-14T13:	44:56.2866331+02:00)
Windows10 PC	lo 2016-10-14T13:53	:02.3953157+02:00 Expo	rt started at 2016-10-14T13:	53:02.3953157+02:00)
	lo 2016-10-14T14:22	:36.4428267+02:00 Expo	rt started at 2016-10-14T14:	22:36.4428267+02:00)
i Network	lo 2016-10-14T14:35	:51.1061875+02:00 Expo	rt started at 2016-10-14T14:	35:51.1061875+02:00)
🐽 Archives	lo 2016-10-14T14:59	:21.8114149+02:00 Expo	rt started at 2016-10-14T14:	59:21.8114149+02:00)
IMiS/ARChive Server	lo 2016-10-14T14:59	:49.5708973+02:00 Expo	rt started at 2016-10-14T14:	59:49.5708973+02:00)
🐂 01 Administration	lo 2016-10-14T15:02	2:37.8030565+02:00 Expo	rt started at 2016-10-14T15:	02:37.8030565+02:00)
🐂 02 Finance	lo 2016-10-14T15:37	7:52.3521337+02:00 Expo	rt started at 2016-10-14T15:	37:52.3521337+02:00)
🐂 03 Supply Chain Management	lo 2016-10-14T15:38	:16.1917866+02:00 Expo	rt started at 2016-10-14T15:	38:16.1917866+02:00)
🐂 04 Customer Relationship Management	·				
🀂 05 Human Resources and Payroll					
🛔 Administration					
🝌 Reviews		ecurity Activity Log Sy	stem Properties		
Export	Save				
🕂 Import	 System Title 	2016-10-14T15:38:16.1	017866±02:00		
🛐 Trash	Description		10-14T15:38:16.1917866+02	•00	
	Owner	export started at 2010	10 111 13150 1015 110001 02		
	Keywords				

Image 187: Display of the »Export« folder in the »Administration« system folder

Each export document contains the following files:

- »XML Report«: electronically signed XML file that contains:
 - Statistics of successfully and unsuccessfully exported entities.
 - List of failed export attempts (including classification codes).
 - List of successfully exported files (including hash values and full classification codes).
- »Report«: contains a full export log for each exported entity. The log shows the success rate of export and is used to check if the export was satisfactory.
- »Error report«: contains an error log for each unsuccessfully exported entity, including the returned error.

Attributes Content Security Activity Log System	Properties	
Save Open Add 🔻 Remove		
Description	Inserted	Modified
XML report	22. 08. 2016 09:10:51	22. 08. 2016 09:10:51
Report	22. 08. 2016 09:10:51	22. 08. 2016 09:10:51
Error report	22. 08. 2016 09:10:51	22. 08. 2016 09:10:51
Content for selected entity		

Image 188: List of content contained by an export document

The export document is opened using the »Open« command in the top command bar, or by double clicking. Content is listed under the »Content« tab. By double clicking the selected content, you will open it in the default application.



Image 189: Example »XML Report« file with a record of export actions



Report(100706204) - Notepad	-		×
File Edit Format View Help			
2016-07-27T09:30:20.7007759+02:00 - Importing retention file "ExportData\retention_and_disposition_6.xml"			^
2016-07-27T09:30:20.7007759+02:00 - Importing retention file "ExportData\retention_and_disposition_7.xml"			
2016-07-27T09:30:20.7007759+02:00 - Importing retention file "ExportData\retention_and_disposition_8.xml"			
2016-07-27T09:30:20.7007759+02:00 - Importing class file "ExportData\class_1.xml".			
2016-07-27T09:30:20.9038531+02:00 - Imported 117.002.002.001 "Class 4" (117.002.002.001) into "119.005.002	.001.6	001.00)4"
2016-07-27T09:30:20.9038531+02:00 - Importing folder file "ExportData\folder_2.xml".			
2016-07-27T09:30:21.0601498+02:00 - Imported 117.002.002.001-2016-00001 "Case 1" (117.002.002.001-2016-000	01) ir	nto "1	.19
2016-07-27T09:30:21.0601498+02:00 - Importing document file "ExportData\document_3.xml".			
2016-07-27T09:30:21.2320229+02:00 - Imported 117.002.002.001-2016-00001/00002 "Fwd: 複写資料が到着しました【武	載大学 [図書館)	1"
2016-07-27T09:30:21.2476165+02:00 - Importing document file "ExportData\document_4.xml".			
2016-07-27T09:30:21.6383217+02:00 - Imported 117.002.002.001-2016-00001/00004 "your order in Annyzhang 674	582176	517565	i o
2016-07-27T09:30:21.6383217+02:00 - Commit log:			
Digital signature verification started: 2016-07-27T09:30:21.420+02:00================================	===Ver	rifyin	g
: VALIDCertificate (subject: /DC=si/DC=imis/OU=IMiS/CN=Marko Hren/emailAddress=marko.hren@imis.si) revocation	ion st	tatus	is
2016-07-27T09:30:21.6383217+02:00 - Importing document file "ExportData\document_5.xml".			
2016-07-27T09:30:22.0289167+02:00 - Imported 117.002.002.001-2016-00001/00007 "Tak for din interesse - her	han ه	lu her	ite
2016-07-27T09:30:22.0289167+02:00 - Commit log:			
Digital signature verification started: 2016-07-27T09:30:21.781+02:00=	===Ver	rifyin	g
Class entities: OK(1) Fail(0)			
Folder entities: OK(1) Fail(0)			
Document entities: OK(3) Fail(0)			
			~
<			> .:

Image 191: Example »Report« log with a list of export actions and the overall export success rate

4.6.3 Deletion

Entities deleted by users appear in the »Trash« folder inside the »Administration« system folder, in their raw form.

<u>Note</u>: User with appropriate rights can limit user access to the »Deleted« folder by assigning explicit Deny Read right to users in the configuration folder in the context »Deleted«.

By selecting the »Trash« folder, the right view will display all the deleted entities.

The list of deleted entities shows the following entity information:

- »Classification code«: the classification code of the deleted entity.
- »Title«: the title of the deleted entity.
- »Description«: a required description of the deleted entity. If an entity had no description before deletion, the delete action requires the input of a description.

k ⊇						
to Quick: Copy Paste Clipboard Clipboard Clipboard	Copy to Organize	New item ▼ T Easy access ▼ New	Properties Edit 88 S	Select all Select none nvert selection Select		
- → × ↑ 🕞 > Archives > IMiS/ARChive Ser	ver > Administration > Trash >	Deleted			~	ی Search Ad ک
	Report					
📌 Quick access	Classification code	Title		Description	n Reason	Date deleted
ConeDrive	× 02.01.01-2016-000001/00	0010 FW: Semina	rs, Forums, Conferences Sub Gro			ual 14. 10. 2016 15:02
Windows10_PC	× 02.02.01-2016-000001/00	0001 Day Rate He	edge	3.362383.D	R50GA0\ Obsolete	17. 10. 2016 15:4
	★ 02.02.01-2016-000001/00	0002 Re: Mid-Yea	r 2001 Performance Feedback	3.592774.L	13UWLG Obsolete	17. 10. 2016 15:4
💣 Network	× 02.02.01-2016-000001/00	0003 Re: Real Wo	rld Option Pricing	3.317350.N	HCCHD Obsolete	17. 10. 2016 15:4
🖚 Archives	× 02.02.01-2016-000001/00	0004 CALIFORNI	A IM - SECTION V	3.1114760.	JB3FTWK Obsolete	17. 10. 2016 15:4
IMiS/ARChive Server	× 02.02.01-2016-000001/00	0005 Officers, Dir	ectors and Managers Meeting at	Hyatt 3.1122192.	DWVXHI Obsolete	17. 10. 2016 15:4
🐂 01 Administration	× 02.02.01-2016-000001/00	0006 Mtg w/ Skill	ing (15 min.)	3.1090942.	DWWKQ Obsolete	17. 10. 2016 15:4
🐂 02 Finance	× 02.02.01-2016-000001/00	0007 REMINDER	Melissa out of town	3.1099225.	OHUJXV Obsolete	17. 10. 2016 15:4
🐂 03 Supply Chain Management	× 02.02.01-2016-000001/00	0008 Meet with S	uzanne Brown, here	3.1059885.	L35KSS4\ Obsolete	17. 10. 2016 15:4
🐂 04 Customer Relationship Management	× 02.02.01-2016-000001/00	0009 Dhar Amita	/a	3.1068876.	IQ3DU22 Obsolete	17. 10. 2016 15:4
🐂 05 Human Resources and Payroll	× 02.02.01-2016-000001/00	0010 Btu's Weekl	y Power Report	3.350945.P	IAIL151V Obsolete	17. 10. 2016 15:4
📇 Administration	× 02.02.01-2016-000007/00	0001 Re: Alpbach	er Finanzsymposium 2000 - invita	ation f 3.363186.A	F5KRAQ Obsolete	17. 10. 2016 15:4
💪 Reviews	× 02.02.01-2016-000007/00	0002 Mirant MTN	4	3.592780.K	UUUV1V Obsolete	17. 10. 2016 15:4
T Export	× 02.02.01-2016-000007/00	0003 (no subject)		3.317356.J	0PZ4COF Obsolete	17. 10. 2016 15:4
🕂 Import	× 02.02.01-2016-000007/00	0004 Mtg. w/ Am	y Oberg re Cl 101 software EB 474	41 3.1114766.	HPPF1KF Obsolete	17. 10. 2016 15:4
👩 Trash	× 02.02.01-2016-000007/00	0005 Spring Boar	d meeting for BIPAC Board of Dir	ectors 3.1122198.	JDOJQ2Y Obsolete	17. 10. 2016 15:4
😠 Disposed	× 02.02.01-2016-000007/00	0006 Mtg. w/ Gin	sler, Elizabeth, Rick & Palmer	3.1090948.	LKOED5E Obsolete	17. 10. 2016 15:4
Deleted	★ 02.02.01-2016-000007/00	0007 Ken Lay (ter	nt.)	3.1099231.	HTABFQ Obsolete	17. 10. 2016 15:4
🕅 Queue	× 02.02.01-2016-000007/00	0008 7:50 a.m. Ed	Segner's Staff Meeting in 50M di	ining r 3.1059891.	L1JUIM1+ Obsolete	17. 10. 2016 15:4
	× 02.02.01-2016-000007/00	0009 Jeff Skilling		3.1068882.	HRO4HJ Obsolete	17. 10. 2016 15:4
	× 02.02.01-2016-000007/00	0010 IAFE Memb	ership	3.350952.D	3GXHPN Obsolete	17. 10. 2016 15:4
	★ 05.07-2016-000001/00000	1 Dokument 9	91	testni dok	ument test brisanja	14. 10. 2016 11:2
	<					
items 1 item selected						

Image 192: Display of the »Trash« folder in the »Administration« system folder

The classification code, title and description are the only attributes still preserved when an entity has been deleted. All other metadata of the entity is erased, replaced with the following attributes:

- »Reason«: the reason for deletion as it was input by the user when removing the entity.
- »Date deleted«: date and time of the entity's deletion.
- »Agent«: name of the user who executed the delete command.

Users with a »Reports« role on the server can create a report on the complete list of deleted entities (trash), which appears as a text file. In the report, individual entity attributes are separated by a comma (CSV form). The content of the report is identical to the content of the »Trash« folder.

The deleted entities report is created using the »Report« command in the top command bar of Windows Explorer and will be automatically opened in the default CVS file application.

	A	В	С	D	E	F	Ŀ
1	ClassificationCode	Title	Description	Reason	Deletion date	Agent	
2	02.01.01-2016-000001/000010	Seminars, Forums, Conferences Sub Group	Seminar & Forum	Not actual	14.10.2016 15:02	Administrator	
3	02.02.01-2016-000001/000001	Day Rate Hedge	Hedge	Obsolete	17.10.2016 15:45	Administrator	
4	02.02.01-2016-000001/000002	Mid-Year 2001 Performance Feedback	Feedback	Obsolete	17.10.2016 15:45	Administrator	
5	02.02.01-2016-000001/000003	Real World Option Pricing	Pricing	Obsolete	17.10.2016 15:45	Administrator	
6	02.02.01-2016-000001/000004	California IM - Section V	Regulations	Obsolete	17.10.2016 15:45	Administrator	
7	02.02.01-2016-000001/000005	Officers, Directors and Managers Meeting at Hyatt Regency	Meeting	Obsolete	17.10.2016 15:45	Administrator	
8	02.02.01-2016-000001/000006	Mtg w/ Skilling	Education	Obsolete	17.10.2016 15:45	Administrator	
9	02.02.01-2016-000001/000007	Melissa out of town	Reminder	Obsolete	17.10.2016 15:45	Administrator	
10	02.02.01-2016-000001/000008	Meet with Suzanne Brown, here	Meeting	Obsolete	17.10.2016 15:45	Administrator	Т
11	02.02.01-2016-000001/000009	Dhar Amitava	Agency	Obsolete	17.10.2016 15:45	Administrator	П
12	02.02.01-2016-000001/000010	Btu's Weekly Power Report	Report	Obsolete	17.10.2016 15:45	Administrator	Т
13	02.02.01-2016-000007/000001	Alpbacher Finanzsymposium 2000 - invitation for a speech	Invitation	Obsolete	17.10.2016 15:46	Administrator	П
14	02.02.01-2016-000007/000002	Mirant MTM	Technical	Obsolete	17.10.2016 15:47	Administrator	П
15	02.02.01-2016-000007/000004	Mtg. w/ Amy Oberg re CI 101 software EB 4741	Software	Obsolete	17.10.2016 15:47	Administrator	
16	02.02.01-2016-000007/000005	Spring Board meeting for BIPAC Board of Directors at The Lodge	Meeting	Obsolete	17.10.2016 15:47	Administrator	
17	02.02.01-2016-000007/000006	Mtg. w/ Ginsler, Elizabeth, Rick & Palmer	Board	Obsolete	17.10.2016 15:47	Administrator	П
18	02.02.01-2016-000007/000008	Ed Segner's Staff Meeting	Meeting	Obsolete	17.10.2016 15:47	Administrator	
19	02.02.01-2016-000007/000009	Jeff Skilling	Education	Obsolete	17.10.2016 15:47	Administrator	
20	02.02.01-2016-000007/000010	IAFE Membership	Membership	Obsolete	17.10.2016 15:47	Administrator	
	September Octob	er 🕀	: 4	1	1		Þ
Rea	dy			Ħ	E II	+ 100	9%

Image 193: Example deleted entities report

4.6.4 Disposition

Each entity which was disposed of during the implementation phase of the review process is located in its raw form in the »Disposed« folder in the »Trash« folder, which is located in the »Administration« system folder.

<u>Note</u>: User with appropriate rights can limit user access to the »Disposed« folder by assigning explicit Deny Read commands to users in the configuration folder »Access Control« in the context »Disposed«.

By selecting the »Disposed« folder, the right view shows all of the review processes during which at least one entity was disposed of. By clicking on an individual review page, a list of disposed entities appears.

The list of disposed entities shows only the following entity information:

- »Classification code«: the classification code of the disposed entity.
- »Title«: the title of the disposed entity.
- »Description«: a description of the disposed entity.

🛃 🚽 Entities - Page 1							-		>
Home Share View		🖺 New item 🔹	🏅 📴 Open -	Select all					^
Copy path		🐔 Easy access 🔹 📄	🕘 📄 Edit	🔡 Select nor	ne				
to Quick Copy Paste access Paste shortcut		ew Prop Ider	erties 🤯 History	🔡 Invert sele	ection				
Clipboard	Organize	New	Open	Select					
→ × ↑ 😠 > Archives > IMiS/ARCH	nive > Administration > Trash > Di	sposed > 201610 review - 10) years → Entities	- Page 1			5 V	Search Qu	,
Quick access									
	Classification code	Title	Descrip	tion I	Reason	Date deleted	Agent	Reference	2
SomeDrive	× 01.01.01-2016-000057/000001	Re: Congratulations			Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
Windows10_PC	× 01.01.01-2016-000057/000002	NWS Forecast	3.59812	3.D3MLUFTN	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
	× 01.01.01-2016-000057/000003	New Employee Service) Tu	urbo Tax 3.31551	7.LUDJEFVBR:	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
Network	× 01.01.01-2016-000057/000004	Do not delete Organizer no	te - Orga 3.11096	11.OWQW5SE	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
Archives	× 01.01.01-2016-000057/000005	CALL CLIFF BAXTER	3.11272	87.CUPVZNH	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	× 01.01.01-2016-000057/000006	Re: April 19 Vision and Valu	ies Meeti 3.1085	36.IBF21NBDE	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🐂 01 Administration	× 01.01.01-2016-000057/000007	Mtg re Enron Center w/ Bil	I D, Lay, 5 3.11036	61.MIFIGPFT\	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🐂 02 Finance	× 01.01.01-2016-000057/000008	Great Lakes Upper Midwes	t Region 3.1060	33.M550E3O4	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🀂 03 Supply Chain Management	× 01.01.01-2016-000057/000009	Margaret Carson	3.10636	27.GG1Q3ZID	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🀂 04 Customer Relationship Management	× 01.01.01-2016-000057/000010	Re: F/U to Dr. Kaminski @	Enron fro 3.35258	3.MHKWPL20	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
肓 05 Human Resources and Payroll	× 01.01.02-2016-000002	Note: Marty Sunde wanter	d you to l		Dispose after 10 years of retention	17. 10. 2016 13:25:59	Administrator		
肓 06 Projects	× 01.01.02-2016-000002/000001	Re: Congratulations	3.36308	4.FUAIDFTUH	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
Administration	× 01.01.02-2016-000002/000002	EARTHSAT NOON UPDATE	3.59812	8.D42ZMO35I	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
📩 Reviews	× 01.01.02-2016-000002/000003	FEA announces the release	of @ENE 3.31552	2.LM51LFE1G	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
n Export	× 01.01.02-2016-000002/000004	Do not delete Organizer no	te - Table 3.11096	16.DLOWHQI	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🖊 Import	× 01.01.02-2016-000002/000005	INTERNAL EMPLOYEE CON	MMUNIC. 3.11272	92.KL5ZOED0	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🛐 Trash	× 01.01.02-2016-000002/000006	HOLIDAY	3.10864	31.L5N4IVMR	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
× Disposed	× 01.01.02-2016-000002/000007	Ask Why? Campaign	3.11036	68.HKZZDZV	Dispose after 10 years of retention	17. 10. 2016 13:25:58	Administrator		
🗙 201609 review - 5 years	× 01.01.02-2016-000002/000008	8:00 Great Lakes Upper Mic	lwest Reg 3.10605	38.EZKUS5CR	Dispose after 10 years of retention	17. 10. 2016 13:25:59	Administrator		
🗙 201610 review - 10 years	× 01.01.02-2016-000002/000009	Do Not Delete - Repeat par	- ent for D 3.10636	32.F00GW4U	Dispose after 10 years of retention	17. 10. 2016 13:25:59	Administrator		
Entities - Page 1	× 01.01.02-2016-000002/000010	Volumetric Optionality Mo	del Chan 3.35258	8.KBCEXEXZI)	Dispose after 10 years of retention	17. 10. 2016 13:25:59	Administrator		
📘 Deleted	× 01.01.02-2016-000009	Open House - Cocktail But	fet @ the		Dispose after 10 years of retention	17. 10. 2016 13:25:59	Administrator		
🕅 Queue	× 01.01.02-2016-000009/000001	congratulations!	3.36309	1.0PGU5QCF	Dispose after 10 years of retention	17. 10. 2016 13:25:59	Administrator		
items		-							8==

Image 194: Display of the list of disposed entities

The classification code, title and longer description of entity are the only attributes still preserved when an entity has been disposed of. All other entity metadata is erased and replaced with the following attributes:

- »Reason«: the reason for the disposition of the entity, which was entered by the user during the review process.
- »Date deleted«: the date and time of the disposition of the entity.
- »Agent«: the team member who completed the review process, thus disposing of the entity.

4.6.5 Audit log

The audit log records the audit trail and contains information about the actions of all users on a specific archived entity. Audit log reports are created by users with an »AuditLogQuery« role on the server. They may be accessed by choosing the »Audit log« command in the »Reports« section, in the right-click popup menu over the selected archive, class or folder.

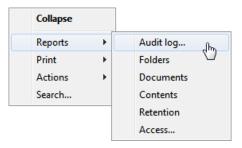


Image 195: Selecting an audit log report via the popup menu

Within the framework of audit log search settings (<u>see chapter 4.2.18 Viewing the audit log</u>), the user specifies the following information in the »AuditLogQuery« dialog box:

- Scope of the audit log report which may include the entire archive or just content under a specific entity.
- Types of included entities (class, folder, document); these will be included in the report along with any of their combinations.
- Time period that limits the audit log query.

In addition, a user with the »AuditLogQuery« role can limit the audit log report to:

- Specific users, computer names or IP addresses.
- Specific entities or types of events.

The query results are returned in one of the available formats, as selected in the »AuditLogQuery« dialog box:

- XML file created by the IMiS[®]/ARChive Server (see the IMiS[®]/ARChive Server user manual chapter 3.3.8.5 Report format).
- CSV file listing the audit log query data in the following columns:
 - »Sequence«: sequence number of the record.
 - »Time«: time of action performed on the entity.
 - »User«: name of user who performed the action.
 - »Address«: the IP address of the computer on which the command was executed.
 - »Computer«: the name of the computer on which the command was executed.
 - »ID«: identifier of the entity on which the action was performed.
 - »ClassificationCode«: classification code of the entity in canonical form.
 - »EventType«: type of event on the entity.
 - »EventDetails«: message describing the event.

The image below shows an example audit log report in CSV form, opened in the MS Excel application where users may browse and sort the audit trail data.

A1		• : X	√ f _x	Sequence								~
	А	в	с	D	E	F	G	н		1	J	
1	Seq	Time	User	Address	Computer	InternalAdress	Id	ClassificationCode	EventTyp	e	EventDetails	
2	0	14.10.2016 12:12	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	8514d54b60b14ef224102c21	C=05^C=07^F=2016-000001	Entity op	en event, type READ-ONLY		
3	1	14.10.2016 12:14	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	8514d54b60b14ef224102c21	C=05^C=07^F=2016-000001	Entity op	en event, type READ-WRITE		
4	2	14.10.2016 12:15	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	8514d54b60b14ef224102c21	C=05^C=07^F=2016-000001	Physical	entity change event		
5	3	14.10.2016 12:15	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	8514d54b60b14ef224102c21	C=05^C=07^F=2016-000001	Entity sa	/e event		
6	4	14.10.2016 12:15	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	9f62a64797531f2e294a97f1k	C=05^C=07^F=2016-000001^D=000002	Entity cre	ate event		1
7	5	14.10.2016 12:15	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	9f62a64797531f2e294a97f1k	C=05^C=07^F=2016-000001^D=000002	Property	value change event		1
8	6	14.10.2016 12:15	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	9f62a64797531f2e294a97f1k	C=05^C=07^F=2016-000001^D=000002	Entity sa	ve event		
9	7	14.10.2016 12:15	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	9f62a64797531f2e294a97f1k	C=05^C=07^F=2016-000001^D=000002	Entity op	en event, type READ-ONLY		
10	8	19.10.2016 10:23	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	3fd459892bf228da4ec8b28a8	C=06^C=01	Entity op	en event, type READ-ONLY		
11	9	19.10.2016 10:23	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	4ed49d400b157085c1f209e1	C=06^C=01^F=2016-000001^D=000001	Entity op	en event, type READ-ONLY		
12	10	19.10.2016 10:24	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	4ed49d400b157085c1f209e1	C=06^C=01^F=2016-000001^D=000001	Entity op	en event, type READ-WRITE		
13	11	19.10.2016 10:25	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	1096e65452db418c8f3bf773;	C=sys^C=Retention^C=Reviews^F=2016-000001	Entity op	en event, type READ-ONLY		
14	12	19.10.2016 10:25	ronsalazar	192.xxx.92.xx	RON	192.xxx.92.xx	1096e65452db418c8f3bf773	C=sys^C=Retention^C=Reviews^F=2016-000001	Content	open event, type READ-ONLY		
15												
16												
-		auditlog	+					: 4				Þ
Read	iy										+ 100	196

Image 196: Example audit log report

4.6.6 Statistics

The IMiS[®]/Client enables users with a »Reports« role on the server to create reports dealing with the statistics of the folders, documents, content and user access on the IMiS[®]/ARChive Server.

Reports are opened in applications set as default for their format, or in any Windows application that can read CSV files.

4.6.6.1 Folder report

A folder report contains information about all the folders inside the selected archive, class or folder. It is created using the »Folders« command in the »Reports« section after right-clicking the selected archive, class or folder.

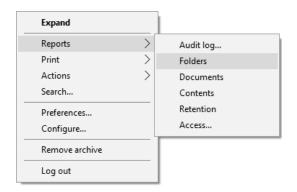


Image 197: Selecting a folder report via the popup menu

Information about folders is listed in the following columns:

- »ClassificationCode«: the classification code of the folder in the classification scheme.
- »Title«: the title of the folder.
- »Template«: the name of the template, on which the folder was created.
- »Status«: the current status of the folder in the context of the archive. Status dictates whether certain actions on the folder are allowed or not.
- »Significance«: the significance of the folder in the context of the archive.
- »SecurityClass«: the security class of the folder or document. Security class is used for hiding entities from users, that do not have access rights to the entities set by the Security clearance level.
- »CurrentLocation«: the current location of the folder's physical content.
- »HomeLocation«: the home location of the folder's physical content.
- »DocumentCount«: the number of folders or documents contained inside the folder.

The image below displays an example audit log report open in Microsoft Excel, where users may sort and calculate folder data by columns.

	А	В	С	D	E	
1	ClassificationCode	Title	Template	Status	DocumentCount	
2	01.01.02-2016-000001	Appt w/Gilbert	Case	Opened	10	
3	01.01.02-2016-000003	Meeting w/Tom Korman w/Sound Image (per Mary Whalley)	Case	Closed	10	
4	01.01.02-2016-000004	Mtg.w/ Andrew Miles Enron Compression Services Re: Project Excelerator EB 2802a	Case	Closed	10	
5	01.01.02-2016-000005	Brief Staff Mtg w/Liz	Case	Closed	10	
6	01.01.02-2016-000007	Meeting w/Jodi Coulter - EB2801	Case	Opened	10	
7	01.01.02-2016-000008	Meeting w/John Lavorato - EB2801	Case	Closed	10	
8	01.01.02-2016-000010	Meeting w/Skilling, McDonald & Buy - EB4903	Case	Closed	10	
9	01.01.02-2016-000013	Power companies	Case	Opened	10	
10	01.01.02-2016-000014	Venture News	Case	Closed	10	
11	01.01.02-2016-000016	Clickpaper report 12/2000	Case	Closed	10	
12	01.01.02-2016-000019	Raptor Position Reports for 12/2000	Case	Opened	10	
13	01.01.02-2016-000020	Enron Suite & Tickets - Houston Cougar Basketball	Case	Closed	10	
14	01.01.02-2016-000021	Quick Phone Call w/Ann Chai (see material on your desk)	Case	Closed	10	
15	01.01.02-2016-000023	Meeting w/Rebecca McDonald - EB2751	Case	Closed	10	
16	01.01.02-2016-000024	CSFB: The Fuel Cell Monitor - December 2000	Case	Closed	10	-
	October	÷ : •				
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4.6.6.2 Document report

A document report contains information about all the documents contained inside a selected archive, class or folder. It is created using the »Documents« command in the »Reports« section after right-clicking the selected archive, class or folder.

Expand		
Reports	>	Audit log
Print	>	Folders
Actions	>	Documents
Search		Contents
Preferences		Retention
Configure		Access
Remove archive		
Log out		



Information about documents is listed in the following columns:

- »ClassificationCode«: the classification code of the document in the classification scheme.
- »Title«: the title of the document.
- »Template«: the name of the template, on which the document was created.
- »Significance«: the significance of the document in the context of the archive.
- »Status«: the current status of the document in the context of the archive. Status dictates whether certain actions on the document are allowed or not.
- »CurrentLocation«: the current location of the document's physical content.
- »HomeLocation«: the home location of the document's physical content.
- »ContentCount«: the number of content in the document.

The image below displays an example audit log report open in Microsoft Excel where users may sort and calculate document data by columns.

	A	В	С	D	
1	ClassificationCode	Template	ContentCount		
2	01.01.01-2016-000001/000003	Speech by Chairman Pat Wood of PUCT - CTAEE Meeting	FiledDocument	1	
3	01.01.01-2016-000001/000004	FiledDocument	1		
4	01.01.01-2016-000001/000005	FiledDocument	1		
5	01.01.01-2016-000001/000007	FiledDocument	1		
6	01.01.01-2016-000001/000008	Govt Affairs Update Conf Call EB 1049 713-853-3233	FiledDocument	1	
7	01.01.01-2016-000001/000009	Mtg. w/ Jim Steffes & Rita Hartfield	FiledDocument	1	
8	01.01.01-2016-000001/000010	Headcount File	FiledDocument	1	
9					-
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Rea	dy		I II	+ 10	00%

Image 200: Example document report

4.6.6.3 Content report

The content report contains information about all the files attached to the documents inside the selected archive, class or folder. It is created using the »Contents« command in the »Reports« section after right-clicking the selected archive, class or folder.

Expand		
Reports	>	Audit log
Print	>	Folders
Actions	>	Documents
Search		Contents
Preferences		Retention
Configure		Access
Remove archive		
Log out		

Image 201: Selecting a content report via the popup menu

Information about content is listed in the following columns:

- »ClassificationCode«: the classification code of the document whose content is being described.
- »Title«: the title of the document whose content is being described.
- »Template«: the name of the template, on which the document was created.
- »ContentDescription«: description of content (files) attached to a document.
- »ContentType«: types of content (files) attached to a document.
- »ContentSize«: sizes of content (files) attached to a document.

The image below displays an example audit log report open in Microsoft Excel where users may sort and calculate content data by columns.

	В	С	D	E	F		
1	Title	Template	ContentDescription	ContentType	ContentSize		
2	Speech by Chairman Pat Wood of PUCT - CTAEE Meeting	FiledDocument	00950.pdf	application/pdf	188947		
3	Transmission Providers and Power Marketers meeting	FiledDocument	02650.pdf	application/pdf	172482		
4	Lou Pai staff meeting EB 791	FiledDocument	01076.pdf	application/pdf	294118		
5	200 Commission Meeting	FiledDocument	00565.pdf	application/pdf	361410		
6	Govt Affairs Update Conf Call EB 1049 713-853-3233	FiledDocument	02058.pdf	application/pdf	340977		
7	Mtg. w/ Jim Steffes & Rita Hartfield	FiledDocument	02901.pdf	application/pdf	481692		
8	Headcount File	punt File FiledDocument 02529.pdf application/pdf					
9	Greg - Insurance in Australia	FiledDocument	02801.pdf	application/pdf	262147		
10	Year End 2016 Feedback	FiledDocument	00950.pdf	application/pdf	188947		
11	Corp. staff meeting in Energizer	FiledDocument	02650.pdf	application/pdf	172482		
12	Lou Pai staff meeting EB 791	FiledDocument	01076.pdf	application/pdf	294118		
13	Rick's Regional Director Conference call	FiledDocument	01491.pdf	application/pdf	251550		
14	News From the Jones Graduate School of Management	FiledDocument	00565.pdf	application/pdf	361410		
15	Govt Affairs Update Conf Call EB 1049	FiledDocument	02058.pdf	application/pdf	340977		
16	Spring Board meeting for BIPAC Board of Directors	FiledDocument	02901.pdf	application/pdf	481692		
17							-
	October 🕂		: 4			Þ	
Rea	dy		⊞ [▣ ─ -	++	100%	5

Image 202: Example content report

4.6.6.4 Retention report

The retention report contains information on retention policies and disposition holds on all entities under the selected archive, class or folder. The user with appropriate access rights can create it with the »Retention« command in the »Reports« submenu in the pop-up menu of the selected archive, class or folder.

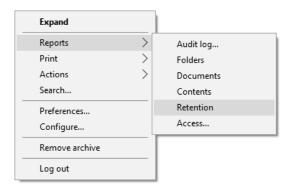


Image 203: Selecting the retention report via the pop-up menu

Information on retention is listed in the following columns:

- »ClasssificationCode«: contains the classification code of the entity in the classification scheme.
- »Title«: contains the title of the entity being described.
- »Type«: contains the type of the entity being described.

- »Policy/Hold«: represents the type of entry (retention policy or disposition hold).
- »Name«: represents the name of the retention policy or disposition hold.
- »Reason«: represents the reason for the retention policy or disposition hold.
- »Description«: represents a description of the retention policy or disposition hold.

In the image below the report is open in the Microsoft Excel application, in which users can view and edit retention information by selected columns.

	А	В	С	D	E	F	G	H
1	ClassificationCode	Title	Туре	Template	Policy/Hold	Name	Reason	Description
2	01.01.01-2016-000001	Farewell Dinner for Cliff Baxter	Folder	Case	Retention policy	5 Years	Records must be kept 5 years from the end of the year	Dispose after 5 years of retention
3	01.01.01-2016-000002	Mtg w/ John Thompson - EB3324	Folder	Case	Retention policy	2 Years	Records must be kept 2 years from the end of the year	Dispose after 2 years of retention
4	01.01.01-2016-000003	CSFB: Energy Technology Bulletin	Folder	Case	Retention policy	2 Years	Records must be kept 2 years from the end of the year	Dispose after 2 years of retention
5	01.01.01-2016-000004	Energy Crisis Conference Call	Folder	Case	Retention policy	Permanent	Records which need to be kept permanently	Materials of at most importance to the Company
6	01.01.01-2016-000005	EES VaR Report	Folder	Case	Retention policy	3 Years	Records must be kept 3 years from the end of the year	Dispose after 3 years of retention
7	01.01.01-2016-000006	Tax Review of California Senate	Folder	Case	Retention policy	2 Years	Records must be kept 2 years from the end of the year	Dispose after 2 years of retention
8	01.01.01-2016-000007	Mtg w/David Oxley - EB3324	Folder	Case	Retention policy	Permanent	Records which need to be kept permanently	Materials of at most importance to the Company
9	01.01.01-2016-000008	EES VaR Report for 05-17-01	Folder	Case	Retention policy	Archives	Documents of National importance	Material of National significance transferred to National Archives
10	01.01.01-2016-000009	ENE: Reiterate Buy	Folder	Case	Retention policy	3 Years	Records must be kept 3 years from the end of the year	Dispose after 3 years of retention
11	01.01.01-2016-000010	Pure-Play Energy Merchant	Folder	Case	Retention policy	2 Years	Records must be kept 2 years from the end of the year	Dispose after 2 years of retention
12	01.01.01-2016-000012	EES VaR Report	Folder	Case	Retention policy	3 Years	Records must be kept 3 years from the end of the year	Dispose after 3 years of retention
13	01.01.01-2016-000013	Mtg w/Rick Causey - EB3324	Folder	Case	Retention policy	Permanent	Records which need to be kept permanently	Materials of at most importance to the Company
14	01.01.01-2016-000014	Global Investment Strategy	Folder	Case	Retention policy	Permanent	Records which need to be kept permanently	Materials of at most importance to the Company
15								
	October	+					: 4	
Rea	iy							Ⅲ □ □ + 100%

Image 204: Example of a retention report

4.6.6.5 Access report

The access report contains information about the access rights / permissions of users on all the folders and documents inside a selected archive, class or folder. A report about a specific user, or about all users of the archive, is created by using the »Access« command in the »Reports« section after right-clicking the selected archive, class or folder.

Select a specific user you wish to create a report about, or select »All« in the dialog box to create a report about all the users of the archive.

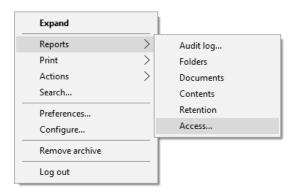


Image 205: Creating an access report on the selected user

The »Select user« options window appears, in which the user with appropriate access rights selects or wishes to create an access report about a specific user or about all the users of the archive.

If you wish to create an entity access report on all the users of the archive, select the command »All users« in the window. Otherwise select only a specific user.

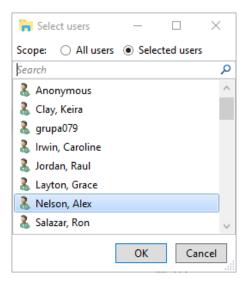


Image 206: Selecting a user or all users

By selecting the »OK« command, the user confirms the creation of a report; by selecting the »Cancel« command, he cancels it.

Information on the users' rights on individual folders and documents is listed in the following columns:

- »ClassificationCode«: the classification code of the entity in the classification scheme.
- »Title«: the title of the entity.
- »Type«: the type of the entity being described.
- »Template«: the name of the template, on which the document was created.
- »Status«: the status of the entity in the context of the archive.
 Status dictates whether certain actions on the document are allowed or not.
- »Significance«: the significance of the entity in the context of the archive.
- »SecurityClass«: the security class of the entity. Security classes are used to hide entities from users whose clearance level is not high enough to access them.
- »CurrentLocation«: the current location of the entity's physical content.
- »HomeLocation«: the home location of the entity's physical content.

- »User«: the name of the user the report is on.
- »Read«: this value tells if the user has a »Read« access right on the folder or document.
- »Write«: this value tells if the user has a »Write« access right on the folder or document.
- »Delete«: this value tells if the user has a »Delete« access right on the folder or document.
- »Move«: this value tells if the user has a »Move« access right on the folder or document.
- »CreateSubEntities«: this value tells if the user has a »Create entities« access right on the folder or document.
- »ChangeRights«: this value tells if the user has a »Change permissions« access right on the folder or document.
- »ChangeSecurityClass«: this value tells if the user has a »Change security class« access right on the folder or document.
- »ChangeStatus«: this value tells if the user has a »Change status« access right on the folder or document.
- »ChangeRetention«: this value tells if the user has a »Change retention« access right on the folder or document.

The image below displays an example audit log report open in Microsoft Excel where users may sort and calculate content data by columns.

1	A	В	С	D	E	F	G	н	1	J	K	L	м	N	0	Р	Q	R	S
1	ClassificationCode	Title	Туре	Template	Status	Significance	SecurityClass	Current	Home	User	Read	Write	Delete	Move	CreateSub	ChangeRights	ChangeSecurity	ChangeStatu	s ChangeRetention
2	01.01.01-2016-000001/000004	Transmission Providers	Document	FiledDocument	Opened	Retain	Unclassified			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
3	01.01.01-2016-000001/000007	Commission Meeting	Document	FiledDocument	Opened	Retain	Restricted			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
4	01.01.01-2016-000001/000010	Headcount File	Document	FiledDocument	Opened	Permanent	Top Secret			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
5	01.01.01-2016-000002/000008	Govt Affairs Update	Document	FiledDocument	Opened	Permanent	Restricted			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
6	01.01.01-2016-000002/000009	BIPAC Board meeting	Document	FiledDocument	Opened	Vital	Confidential			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
7	01.01.01-2016-000003	Energy Technology Bulletin	Folder	Case	Closed	Retain	Unclassified			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
8	01.01.01-2016-000004	Latin American Energy Crisis	Folder	Case	Closed	Vital	Restricted			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
9	01.01.01-2016-000005/000003	Anonymous Reporting Facilities	Document	FiledDocument	Opened	Retain	Unclassified			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
0	01.01.01-2016-000006	Tax Review of California Senate	Folder	Case	Closed	Vital	Confidential			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
11	01.01.01-2016-000006/000007	Wholesale Marketing Issues	Document	FiledDocument	Opened	Retain	Unclassified			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
12	01.01.01-2016-000010/000002	PAC Contributions	Document	FiledDocument	Opened	Retain	Restricted			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
13	01.01.01-2016-000012/000005	Operating Committee	Document	FiledDocument	Opened	Permanent	Top Secret			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
14	01.01.01-2016-000014	Global Investment Strategy	Folder	Case	Closed	Vital	Confidential			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
15	01.01.01-2016-000015	NEPCO Project	Folder	Case	Closed	Permanent	Top Secret			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
16	01.01.01-2016-000017/000006	Vision Focus Groups	Document	FiledDocument	Opened	Vital	Secret			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
17	01.01.01-2016-000022	New Products and Countries	Folder	Case	Closed	Vital	Secret			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
18	01.01.01-2016-000025/000004	National Retail Federation	Document	FiledDocument	Opened	Permanent	Confidential			Grace Layton	TRUE	TRUE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
19																			
20																			
	tmpB352	(+)									4								•

Image 207: Example access report on the selected user

4.7 Roles

A server role is a set of access rights that allow users to execute specific operations on the IMiS[®]/ARChive Server. An appropriately authorized user can open the »Directory« configuration folder and grant the following roles to other users or groups:

- »AuditLogQuery«: allows access to the audit log.
 Users with an »AuditLogQuery« role see the Activity Log tab in the entity information overview and can access the audit trail through this tab.
 User can also create audit log reports for the complete archive or for individual entities by opening the appropriate Reports / AuditLog popup menu.
- »ImportExport«: this role enables the import and export of entities.
 Users with the »ImportExport« role can execute »Import« and »Export« actions on the archive or individual entities by opening the appropriate popup menu.
- »Reports«: this role enables the display of system reports on imports, exports, access, folders, documents, contents and retention periods.
 User can also print the metadata of a class, folder or document, and the classes (and folders) of the classification scheme.
- Review: this role allows the reviewing and editing of retention policies and disposition holds on entities, and the review and implementation phases of review processes. Users with a »Review« role may access the »Retention« tab when reviewing entity information; while the »Reviews« folder is available in the »Administration« folder.

5 SYSTEM REQUIREMENTS

The following are system requirements for IMiS[®]/Client installation.

5.1 Hardware

Most current workstations and computers should be able to run the IMiS[®]/Client without problems, as it requires few resources and operates smoothly in virtual environments.

5.1.1 Minimum requirements

- Must satisfy the minimum requirements of the installed operating system.
- Size of available work memory should be at least 256 MB larger than the operating system's memory requirements.
- Minimum free disk capacity for installing the IMiS[®]/Client is 200 MB.
- TCP/IP network access (IPv4 or IPv6).

5.1.2 Recommended hardware

- Size of available work memory should be about 1 GB larger than the operating system's memory requirements.
- Minimum free disk capacity for installing the IMiS[®]/Client is 1 GB.
- TCP/IP network access (IPv4 or IPv6).

5.1.3 Hardware supervision

IMiS[®]/Client requires no particular hardware supervision in addition to the platform's requirements.

5.2 Software

5.2.1 Operating systems

IMiS[®]/Client works on Windows 32-bit or 64-bit operating systems.

Below is a list of supported Windows versions:

- Windows 7 (32-bit or 64-bit)
- Windows 8 (32-bit or 64-bit)
- Windows 8.1 (32-bit or 64-bit)
- Windows 10 (32-bit or 64-bit).

5.2.2 Minimum requirements

IMiS[®]/Client requires Microsoft .NET Framework 4.0.

6 INSTALLATION

This chapter describes the installation procedure. The IMiS®/Client can be installed by an administrator or any other user with the appropriate software installation rights.

The installation is conducted step-by-step and is the same for everyone.

6.1 Installation procedure

The product must be installed in an environment that satisfies minimum requirements. To install the IMiS[®]/Client, you must have local administration rights on the computer. Installation is conducted using the install wizard, which provides a step-by-step installation procedure. Recommended system specifications are advised for optimal performance. Installation is executed by launching the installer package.

<u>Example</u>: When launching the installer package: IMiS.Client.9.1.1406.x64.msi

The following window appears:

Windows Installer	
Preparing to install	
	Cancel

Image 208: Preparing to install

Next, a dialog box with the install wizard is shown, prompting the administrator to continue with the installation or cancel it.



Image 209: Beginning the IMiS®/Client installation procedure

During each step, the administrator may:

- Continue to the following step by choosing »Next«.
- Return to the previous step by choosing »Back«.
- Cancel the installation procedure by choosing »Cancel«.

If installation is interrupted using the »Cancel« command, a dialog box will appear asking the user to confirm the cancellation.

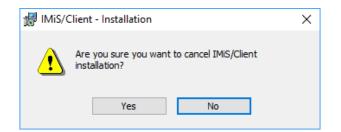


Image 210: Cancelling the IMiS®/Client installation procedure

If the installation procedure is cancelled, any already installed files and Windows registry settings are deleted.

The next step will prompt you to carefully read the license agreement.

If you agree to the terms and conditions, choose »I accept the terms in the license agreement« which signifies your explicit acceptance of the licensing terms and conditions. If you disagree with the terms and conditions, choose »I do not accept the terms in the license agreement« and abort the installation procedure by choosing »Cancel«.

🛃 IMiS/Client - Installation	×								
License Agreement	in é o								
Please read the following license agreement carefully.									
IMAGING SYSTEMS license statement and limited warranty for IMIS® SOFTWARE									
 This Software is owned by IMAGING SYSTEMS or its suppliers and is protected by copyright law and international copyright treaty. Therefore, you must treat this Software like any other copyrighted material (e.g., a book), except that you may either make one copy of the Software solely for backup or archival purposes or transfer the Software to a single hard disk provided you keep the original solely for backup or archival purposes. 									
 You may transfer the Software and documentation on a permanent basis provi retain no copies and the recipient agrees to the terms of the License Agreement, provided in the License Agreement, you may not transfer, rent lease, lead, copy 	Except as								
● I accept the terms in the license agreement	Print								
\bigcirc I do not accept the terms in the license agreement									
InstallShield									
< Back Next >	Cancel								

Image 211: Reviewing and accepting the license agreement

The administrator continues by entering the customer information, the user name in the »User Name« field and the organization's name in the »Organization« filed. The next choice is to install the application only for the current user by choosing »Only for me«, or for all users on this computer by choosing »Anyone who uses this computer«.

🕼 IMiS/Client - Installation	×
Customer Information	0.00
Please enter your information.	IMIS
User Name:	
John Smith	
Organization:	
Imaging Systems Inc.	
Install this application for:	
 Anyone who uses this computer (all users) 	
○ Only for me (John Smith)	
InstallShield	
< Back No	ext > Cancel

Image 212: Customer information dialog box

The next step is a choice between »Complete« or »Custom« setup type. Choosing »Complete« will perform a full install of all the files in the install package.

🕼 IMiS/Client - I	nstallation	×
Setup Type Choose the se	tup type that best suits your needs.	IMiS
Please select a	a setup type.	
Complete	All program features will be installed. (Requires the most disk space.)	
O Custom	Choose which program features you want installed and where will be installed. Recommended for advanced users.	they
InstallShield	< Back Next >	Cancel

Image 213: Choice between complete and custom installation

When choosing the »Custom« setup type, you will receive the following dialog box:

影 IMiS/Client - Installation	×
Custom Setup Select the program features you want installed.	IMiS
Click on an icon in the list below to change how a feature is in IMIS/Client Runtime IMIS/Convert To PDF-A Virtual Print Driver	This feature Description This feature installs required IMiS/Client Runtime Libraries This feature requires 4392KB on your hard drive.
Install to: C:\Program Files\Imaging Systems\IMiS Client\ InstallShield	Change
Help Space < Back	Next > Cancel

Image 214: Selecting the elements and location of IMiS®/Client installation

Choosing the »Help« command will open the following setup tips:

🖟 IMiS/Clie	ent - Installation X
Custom S Custom S	etup Tips Setup allows you to selectively install program features.
	he icon next to the feature name indicates the install state of the feature. Click
0	he icon to drop down the install state menu for each feature.
	Will be completely installed to the local hard drive.
	Will have some subfeatures installed to the local hard drive. (Available only if the feature has subfeatures.)
X -	Will not be installed.
	Will be installed on first use. (Available only if the feature supports this option.)
<u>i</u> +	Will be installed to run from the network. (Available only if the feature supports this option.)
InstallShield –	ОК
	UK

Image 215: Description of the installation element icons

By choosing »Change«, the administrator can change the IMiS[®]/Client's installation path. A dialog box appears, prompting the selection of a preferred destination folder, which is then confirmed using the »OK« button.

🕼 IMiS/Client - Installation	×
Change Current Destination Folder	0.00
Browse to the destination folder.	IMiS
Look in:	
📸 IMiS Client	~ E 💣
Eolder name:	
C:\Program Files\Imaging Systems\IMiS Client\	
InstallShield	
	OK Cancel

Image 216: Selecting the destination folder

By choosing »Space«, the administrator can check if there is enough space in the selected location. A dialog box appears listing all the accessible disks, their size and available space. Disks with insufficient space are highlighted.

🕌 IMiS/Client - Installation				×
Disk Space Requirements The disk space required for the	installation of the s	elected features.	IM	iS
Volume	Disk Size	Available	Required	
□C:	127GB	109GB	21MB	
				>
The highlighted volumes do not h features. You can remove files fr local drives, or select different de InstallShield	om the highlighted v			es onto
			OK	

Image 217: Available disk space

The selection of custom $\text{IMiS}^{\circ}/\text{Client}$ installation elements is the following:

- »IMiS/Client Runtime«: installs the runtime libraries of the IMiS®/Client. This element is required for installation and cannot be removed.
- »IMiS/Convert To PDF-A Virtual Printer Driver«: installs the virtual printer driver, which can be used to convert documents to PDF/A format.

This element can be removed through a popup menu.

😥 IMiS/Client - Installation	×		
Custom Setup Select the program features you want installed.	IMiS		
Click on an icon in the list below to change how a feature is in	nstalled.		
IMIS/Client Runtime IMIS/Convert To PDF-A Virtual Print Driver	Feature Description This feature installs a virtual print driver canable of converting any		
 This feature will be installed on local hard drive. This feature, and all subfeatures, will be installed on local hard drive. 			
× This feature will not be available.			
InstallShield			
Help < Back	Next > Cancel		

Image 218: Removing the printer driver during custom install

The next step of the installation wizard prompts you to select one or more locations for the »Archives« virtual folder of the IMiS[®]/Client, within the framework of Windows Explorer's left view:

- »Computer«: the Archives folder is installed under the »Computer« folder.
- »Desktop«: the Archives folder is installed under the »Desktop« folder.
 This choice also offers the »Desktop Icon« option. Selecting it will create an Archives folder icon on the computer's desktop.
- »Network«: the Archives folder is installed under the »Network« folder.

⊮ IMiS/Client - Installation	×
Select location for 'Archives' virtual folder	IMiS
Select where do you want IMiS/Client to register and display its virtual folder	'Archives':
Computer Desktop Desktop icon Network	
If you want to review or change any of your installation settings, dick Back. O to exit the wizard. InstallShield	Click Cancel
< Back Next >	Cancel

Image 219: Selecting the location of the Archives folder

The next step prompts you to confirm the selected settings and begin installation by clicking »Install«.

🕼 IMiS/Client - Installation	×
Ready to Install the Program	IMiS
The wizard is ready to begin installation.	IMIS
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. C exit the wizard.	lick Cancel to
InstallShield Kenter State Sta	Cancel

Image 220: Confirming settings to begin installation

The installation of the IMiS[®]/Client requires administrator privileges. If the »User Access Control« window appears during installation, you must select »Yes« to agree to the installation or it will be aborted.

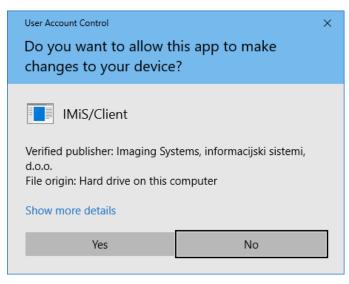


Image 221: Security warning notification

When all the above steps are complete, the installation procedure of the $IMiS^{\circ}/Client$ begins. The progress bar shows the progress of copying files to the selected location.

The installation takes anywhere between a couple of seconds and a few minutes, depending on the chosen installation package and the speed of the computer.

🖟 IMiS/Clie	nt - Installation		_	□ ×
	IMiS/Client ram features you selected are	being installed.		IMiS
12	Please wait while the InstallS several minutes.	hield Wizard installs IN	MiS/Client. This ma	ay take
	Status:			
	Validating install			
InstallShield				
		< Back	Next >	Cancel

Image 222: Installation progress bar

Installation is completed by clicking »Finish« in the final dialog box.



Image 223: Installation complete message

Unless the administrator removed the installation of the »IMiS/Convert To PDF-A Virtual Printer Driver« during custom setup, a new virtual printer named »IMiS Convert To PDF-A« will appear on the computer. It can be used to create PDF/A files using the application of your choice.

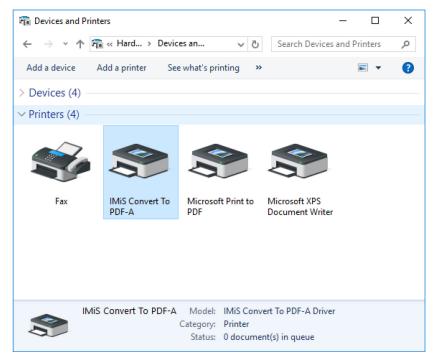


Image 224: Virtual printer installation

7 UNINSTALLATION

IMiS[®]/Client can be uninstalled by the local administrator or by any user with the equivalent privileges.

7.1 Uninstallation procedure

To uninstall the IMiS[®]/Client, administrator privileges are required. The client is uninstalled using the standard Windows application »Add or Remove Programs«.

To open it, select the »Start« command and enter »Add or remove programs« in the search field to retrieve the link, then click it.

÷	Settings		-	
ŝ	Home	Mis	IMiS/Client Imaging Systems Inc.	10,3 MB 9.11.2016
Fir	nd a setting $ ho$	۵	Mail and Calendar Microsoft Corporation	4,03 MB 2.11.2016
Systi	em Display	<u>Q</u>	Maps Microsoft Corporation	8,00 KB 2.11.2016
Ē	Apps & features		Messaging Microsoft Corporation	32,0 KB 1.11.2016
計	Default apps	1	Microsoft Solitaire Collection Microsoft Studios	8,00 KB 2.11.2016
₽	Notifications & actions	1	Microsoft Visual C++ 2008 Redistributable Microsoft Corporation	1,04 MB 9.3.2016
Ċ	Power & sleep	-	Microsoft Visual C++ 2008 Redistributable	1,16 MB
-	Storage		Microsoft Corporation	9.3.2016
M	Offline maps	18	Microsoft Visual C++ 2008 Redistributable Microsoft Corporation	549 KB 2.11.2016
균	Tablet mode		Movies & TV Microsoft Corporation	8,00 KB 2.11.2016
([])	Multitasking	ର	Network Speed Test Microsoft Research	432 KB 1.11.2016

Image 225: Uninstalling the IMiS®/Client

Modify Uninstall			
	Modify Uninstall	Uninstall	Modify

Image 226: Selecting the »Uninstall« command

If »Uninstall« command is confirmed, the uninstallation procedure will begin. The progress is displayed in the progress bar window. Uninstallation can still be cancelled at this time, by selecting the »Cancel« command.

IMiS/Client	
Please wait while Windows configures IMiS/Client	
Gathering required information	
	Cancel

Image 227: Uninstallation progress bar

In the next step the user with appropriate rights must ensure that all applications that affect the process of removing the IMiS[®]/Client are closed.

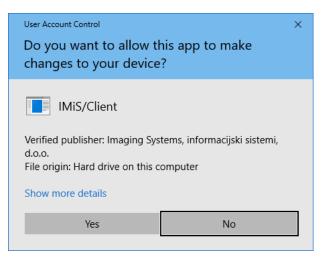
By choosing the default command »Automatically close applications and attempt to restart them after setup is complete« and confirming the selection with »OK«, the applications from the list are closed.

An alternative option is to select the command »Do not close applications. (A reboot may be required.)«, which performs the removal even though the applications from the list remain open. The process of removal continues.

IMiS/Client	Х
The following applications should be closed before continuing the installation:	
Windows Explorer	
 Automatically close applications and attempt to restart them after setup is complete. Do not close applications. (A Reboot may be required.) 	
OK Cancel	

Image 228: A confirmation of the closure of applications due to IMiS®/Client removal

Installing the IMiS[®]/Client requires administrator rights. If during the installation a dialog box »User Access Control« is shown, the user confirms that he agrees with the removal by selecting »Yes«. Otherwise the removal will fail.





The process of IMiS[®]/Client removal begins. A progress bar shows the progress of file transfer to the appropriate locations. The removal process removes all files and settings created by the installation package. Removal takes a few seconds.

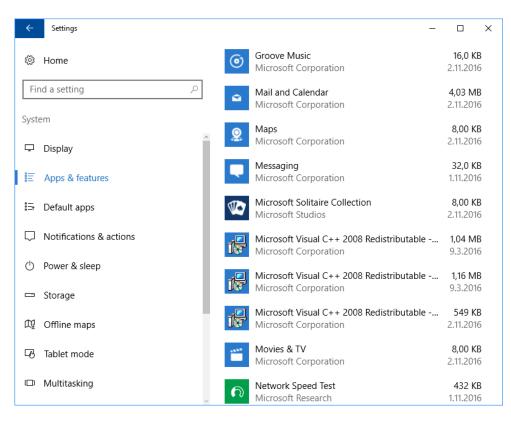


Image 230: $IMiS^{\ensuremath{\texttt{B}}}/Client$ has been removed from the computer

IMiS[®]/Client can also be removed using the »Modify« command.



It opens the initial window of the install wizard where modification, repair or removal of the

client can be started by selecting »Next«.

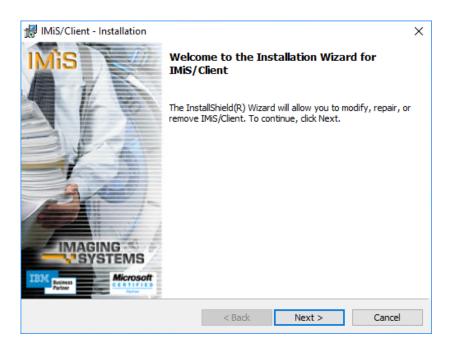


Image 232: Opening the IMiS[®]/Client program maintenance

If the administrator continues the procedure, the next dialog box offers the option to modify, repair or remove the client, which can be uninstalled using the »Remove« and then »Next« command.

韻 IMiS/Client - I	Installation	×
Program Main		IMis
Modify, repair,	, or remove the program.	
○ Modify		
1 ⁴	Change which program features are installed. This option disp Custom Selection dialog in which you can change the way fea installed.	
ORepair		
1 ⁵	Repair installation errors in the program. This option fixes mis corrupt files, shortcuts, and registry entries.	sing or
Remove		
8	Remove IMiS/Client from your computer.	
InstallShield		
	< Back Next >	Cancel

Image 233: Selecting a program maintenance action for the IMiS®/Client

At the next step, uninstallation is confirmed by clicking »Remove«.

🛃 IMiS/Client - Installation			×
Remove the Program You have chosen to remove the program	m from your syste	:m.	IMiS
Click Remove to remove IMiS/Client from no longer be available for use.	m your computer.	After removal, this p	rogram will
If you want to review or change any se	ettings, click Back.		
*			
InstallShield	< Back	Remove	Cancel

Image 234: Confirming IMiS®/Client uninstallation

IMiS[®]/Client removal process has begun. A progress bar shows the progress of file removal from the appropriate locations. Removal takes a few seconds.

🖟 IMiS/Clie	ent - Installation – 🗆 🗙
	ng IMiS/Client gram features you selected are being uninstalled.
1 2	Please wait while the InstallShield Wizard uninstalls IMiS/Client. This may take several minutes.
	Status:
InstallShield –	< Back Next > Cancel

Image 235: Selecting »Uninstall« comamnd

If the »User Access Control« window appears during uninstallation, you must select »Yes« to agree to the uninstallation or it will be aborted.

Image 236: Security warning prompt

Uninstallation takes anywhere between a couple of seconds and a few minutes, depending on the installed package and the speed of the computer. When the process is complete, a »Finish« dialog box lets you know the client was successfully uninstalled.

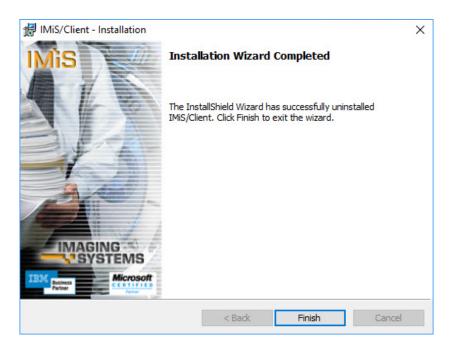


Image 237: Uninstallation complete message

8 PRODUCT MANAGEMENT

IMiS[®]/Client can be managed by an administrator, as well as regular users.

8.1 Startup and closing

IMiS[®]/Client starts up when you start the Windows Explorer. The user interface of the client is integrated into the user interface of Explorer.

When you first start Windows Explorer once the client has been installed, the only new folder appearing in the left view of explorer is the »Archives« folder.

To access an IMiS[®]/ARChive Server, you have to manually add it into the »Archives« folder. For more information on this procedure <u>see chapter 8.3.1 Adding an IMiS[®]/ARChive Server</u>. Users must log in before they can access the archive.

For more information see chapter 4.2.1 Login and logout.

IMiS[®]/Client is closed by logging out of the archive using the »Log out« command.

Warning: closing the Windows Explorer window does not log you out of the client.

8.2 Event log

The IMiS[®]/Client event log is used to monitor activities, which is performed by the administrator according to need. It is especially useful when something goes wrong and you wish to pinpoint the cause of the error.

The client records operations in a rotating event log stored in the temporary system folder »%TEMP%« accessible via the Windows Explorer. The name of the log file is IMiS.Client.NET.X.log , where X is the generation number that specifies the generation of the rotating log file. The number of rotating log files is capped at 10, and each file is limited to a maximum size of around 1MB. The newest event log is the one with the generation number 0, into which events are being currently recorded, and the oldest one is the one with the highest generation number.

The log file records the following data:

- Date and time of the log entry.
- Process and Thread ID, separated by a colon.
- Name of the module or DLL library that recorded the entry.

During normal operation, the entry continues with the:

- Name of the method that was conducted during log entry, which appears inside the characters < and >.
- Operation message, which briefly describes the current operation or state of the client.

IMiS.	lient.NET.0 - Notepad	- 0
ile Edit	Format View Help	
26. 10	2016 09:57:00.897 79	32:24 IMiS/ARC Client <iaserverchannel.connectionopen> Reading server confirmation message</iaserverchannel.connectionopen>
26. 10	2016 09:57:00.897 79	32:13 IMiS/Storage Connector <archive.getrootclasses> Izstop iz metode z rezultatom (IMiS.StorageConnector.IMiSARChive.EntityCol</archive.getrootclasses>
26. 10	2016 09:57:00.897 79	32:13 IMiS/Storage Connector <basecollection`1.getenumerator> Vstop v metodo brez parametrov.</basecollection`1.getenumerator>
6. 10	2016 09:57:00.897 79	32:13 IMiS/Storage Connector <basecollection`1.getenumerator> Izstop iz metode z rezultatom (IMiS.StorageConnector.IMiSARChive.B</basecollection`1.getenumerator>
6. 10	2016 09:57:00.897 79	32:13 IMiS/ARC Client <entitycollection.getpage> Vstop v metodo s parametroma (0, 64).</entitycollection.getpage>
		32:13 IMiS/ARC Client <iaserverchannel.entitycollectionread> Vstop v metodo s parametri (IMiS.IMiSARC.Client.EntityCollection, n</iaserverchannel.entitycollectionread>
		32:13 IMiS/ARC Client <iaserverchannel.writeg1request> Vstop v metodo s parametrom (IMiS.IMiSARC.Client.G1XmlTraffic.EntityInfoR</iaserverchannel.writeg1request>
		32:13 IMiS/ARC Client <iaserverchannel.writeg1request> Sending G1PacketHeader request (rLen=140, reqId=G1_UNUSED, format=REQ_</iaserverchannel.writeg1request>
		32:13 IMiS/ARC Client <iaserverchannel.writeg1request> EntityInfoReq request message sent.</iaserverchannel.writeg1request>
		32:13 IMiS/ARC Client <iaserverchannel.writeg1request> Izstop iz metode brez rezultata.</iaserverchannel.writeg1request>
		32:13 IMiS/ARC Client <iaserverchannel.readg1response> Vstop v metodo brez parametrov.</iaserverchannel.readg1response>
		32:24 IMiS/ARC Client <iaserverchannel.connectionopen> Server confirmation message (CS_CONN_OPEN:COPN_SERVERCHK) read (rLen=69,</iaserverchannel.connectionopen>
		32:24 IMiS/ARC Client <iaserverchannel.connectionopen> Validating server confirmation data</iaserverchannel.connectionopen>
		32:24 IMiS/ARC Client <iaserverchannel.connectionopen> Server confirmation data is authentic.</iaserverchannel.connectionopen>
		32:24 IMiS/ARC Client (IAServerChannel.ConnectionOpen> Version above 9.x Server responded. Using v9.x capabilities.
		32:24 IMiS/ARC Client <iaserverchannel.connectionopen> Using SPR-6a session authentication and session key for encrypting sessio 32:24 IMiS/ARC Client <iaserverchannel.connectionopen> Requesting an authentication using SRP-6a group Group2048</iaserverchannel.connectionopen></iaserverchannel.connectionopen>
		32:13 IMiS/ARC Client <iaserverchannel.readg1response> Reading server response for IMiS.IMiSARC.Client.G1XmlTraffic.EntityInfoRs 32:13 IMiS/ARC Client <iaserverchannel.readg1response> G1PacketHeader response message received (rLen=1217, reaId=G1 UNUSED, for</iaserverchannel.readg1response></iaserverchannel.readg1response>
		22:13 IMIS/ARC Client KIAServerChannel.ReadGlæsponse> Grackerheader response message received (r.em=121, request_owoscb, for 32:13 IMIS/ARC Client KIAServerChannel.ReadGlæsponse> EntitVinfoRsp response message received.
		32:13 INIS/ARC Client <iaserverchannel.readgiresponse entryinonspresponse="" message="" received<="" td=""></iaserverchannel.readgiresponse>
		32:13 INIS/ARC Client <iaserverchannel.entitycollectionred> Izstop iz metode z rezultatom (system.Collections.Generic.List 1[IM</iaserverchannel.entitycollectionred>
		32:13 INIS/ARC Client <entitycollection.getpage> Izstop iz metode z rezultatom (System.Collections.Generic.List`][Mis.IMiSARC.C</entitycollection.getpage>
		32:13 IMis/Client ArchiveEntity.ArchiveEntity> Create 'class 01' object from entity stub.
		32:13 IMiS/Client <archiveentity.archiveentity> Create 'class 02' object from entity stub.</archiveentity.archiveentity>
		32:13 IMiS/Client <archiveentity.archiveentity> Create 'class 03' object from entity stub.</archiveentity.archiveentity>
		32:13 IMiS/Client <archiveentity.archiveentity> Create 'class 04' object from entity stub.</archiveentity.archiveentity>
5. 10	2016 09:57:00.934 79	32:13 IMiS/Client <archiveentity.archiveentity> Create 'class 05' object from entity stub.</archiveentity.archiveentity>
5. 10	2016 09:57:00.934 79	32:13 IMiS/Client <archiveentity.archiveentity> Create 'class 06' object from entity stub.</archiveentity.archiveentity>
5. 10	2016 09:57:00.934 79	32:13 IMiS/Storage Connector <archive.readtemplates> Vstop v metodo brez parametrov.</archive.readtemplates>
5. 10	2016 09:57:00.934 79	32:13 IMiS/Storage Connector <iasessionpool.getsession> Vstop v metodo brez parametrov.</iasessionpool.getsession>
5. 10	2016 09:57:00.934 79	32:13 IMiS/Storage Connector <iasessionpool.getsession> Sessions are available in the session pool (freeSessCnt=1).</iasessionpool.getsession>
		32:13 IMiS/Storage Connector <iasessionpool.acquiresession> Vstop v metodo s parametrom (IMiS.StorageConnector.IACSession).</iasessionpool.acquiresession>
		32:13 IMiS/Storage Connector <iasessionpool.acquiresession> Session 7 acquired (refCnt=1).</iasessionpool.acquiresession>
		32:13 IMiS/Storage Connector <iasessionpool.acquiresession> Session 7 successfully retrieved from the session pool (freeSessCnt=</iasessionpool.acquiresession>
		32:13 IMiS/Storage Connector <iasessionpool.acquiresession> Izstop iz metode brez rezultata.</iasessionpool.acquiresession>
		32:13 IMiS/Storage Connector <iasessionpool.getsession> Izstop iz metode z rezultatom (IMiS.StorageConnector.IACSession).</iasessionpool.getsession>
		32:13 IMiS/ARC Client < IASession.GetTemplates> Vstop v metodo s parametrom (null).
		32:13 IMiS/ARC Client <iasession.gettemplates> Pridobivanje zahtevanih predlog (anglesko: templates)</iasession.gettemplates>
		32:13 IMIS/ARC Client <iaserverchannel.templategetinfo> Vstop v metodo s parametrom (null).</iaserverchannel.templategetinfo>
		32:13 IMiS/ARC Client <iaserverchannel.writegirequest> Vstop v metodo s parametrom (IMIS.IMISARC.Client.GIXmlTraffic.TemplateInf)</iaserverchannel.writegirequest>
		32:13 IMiS/ARC Client <iaserverchannel.writeg1request> Sending G1PacketHeader request (rLen=104, reqId=G1_UNUSED, format=REQ_ 32:13 IMiS/ARC Client <iaserverchannel.writeg1request> TemplateInfoReq request message sent.</iaserverchannel.writeg1request></iaserverchannel.writeg1request>
		52:13 IMIS/ARC (lient (IASerVerChannel.WriteGlanequest) lemplateInfonder request message sent. 32:13 IMIS/ARC (lient (IASerVerChannel.WriteGlanequest) Izstop iz metode brez rezultata.
		52:13 IMISJANC Client (IAServerchannel.writeGianequest) 12stop 12 metoda brez rezultata. 32:13 IMISJARC Client (IAServerChannel.RedGiResponse) Stop y metodo brez parametrov.
		32:13 IMIS/ARC Client CLEBERVERCHAINEL REadGlassponse? Vstop V metodo brez parametrov. 32:13 IMIS/ARC Client CLEBERVERChannel ReadGlassponse? Reading server response for IMIS.IMISARC.Client.GIXmlTraffic.TemplateInfo
0. 10	2010 05.57.00.555 75	server response effert discrete enumerine addites poises nearing server response for infisient server enumerine include the poises in the server in the server enumerine include the poises in the server in the server enumerine include the server in the se

Image 238: Example log file

If there is an error in the client's operation, the entry continues with the:

- Error message, which briefly describes the error or issue.
- Error stack trace, which contains a detailed description of the reason for error.

IMIS.Client.NET.5 - Notepad -		×
File Edit Format View Help		
20. 10. 2016 09:46:16.562 2928:3 IMiS/Client		^
AuthenticationException: Configuration session token is invalid.		
at IMiS.Client.Config.SaveItemCommand.Execute(Object parameter) in C:\IMiS_GIT\net\imisclient.net\Source\ConfigCommands.c	:s:line	: 76
at IMiS.Client.Config.ConfigItem.Save() in C:\IMiS_GIT\net\imisclient.net\Source\Config\ConfigItem.cs:line 206		
at IMIS.Client.Config.DirectoryEntity.AfterSave() in C:/IMIS_GIV.net\imisclient.net\Source\Config\DirectoryEntity.cs:line 648		
<pre>at IMiS.Client.SOAP.ConfigObject.Update() in C:\IMiS_GIT\net\imisclient.soap.net\Source\ConfigObject.cs:line 129 at IMiS.Client.SOAP.DirectoryGroup.Execute(Operation operation) in C:\IMiS GIT\net\imisclient.soap.net\Source\DirectoryGroup.cs</pre>	line 1	27
at inscriber. Subjectory and the conversion operation in c. (his_arther(imiscrient. Subject) Subjectory and pres	THE T	
at INIS.Client.SOAP.DirectoryGroup.Execute(Operation operation) in C:\IMiS GIT\net\imisclient.soap.net\Source\DirectoryGroup.cs	:line	126
at IMiS.Client.SOAP.IMiSARChive.IMiSARChiveAdminServiceClient.DirectoryGroupUpdate(String SessionToken, DirectoryGroupUpdate		
at IMiS.Client.SOAP.IMiSARChive.IMiSARChiveAdminServiceClient.IMiS.Client.SOAP.IMiSARChive.IIMiSARChiveAdminService.DirectoryG		
at IMiS.Client.SOAP.IMiSARChive.IIMiSARChiveAdminService.DirectoryGroupUpdate(DirectoryGroupUpdateRequest request)		
at System.Runtime.Remoting.Proxies.RealProxy.PrivateInvoke(MessageData& msgData, Int32 type)		
at System.Runtime.Remoting.Proxies.RealProxy.HandleReturnMessage(IMessage reqMsg, IMessage retMsg)		
Exception rethrown at [0]:		
and Guidean Guidean and a G		
at System.ServiceModel.Channels.ServiceChannelProxy.Invoke(IMessage message) at System.ServiceModel.Channels.ServiceChannelProxy.InvokeService(IMethodCallMessage methodCall, ProxyOperationRuntime operatic		
at system.serviceModel.channels.serviceChannel.call(String action, Boolean oneway, ProxyOperationRuntime operation boject[] in		iect
at System.ServiceModel.Channels.ServiceChannel.HandleReply(ProxyOperationRuntime operation, ProxyRpc& rconnection, object[] in	15, 00]	ecc
Server stack trace:		
20. 10. 2016 09:47:26.507 2928:3 IMiS/Client <saveitemcommand.execute> Izstop iz metode brez rezultata.</saveitemcommand.execute>		
20. 10. 2016 09:47:30.801 2928:3 IMiS/Client <archives.onexecutemenuitem> Entering method with parameter (Log out).</archives.onexecutemenuitem>		
20. 10. 2016 09:47:30.801 2928:3 IMiS/Client <logoutconfigurationcommand.invoke> Entering method with parameter (null).</logoutconfigurationcommand.invoke>		
20. 10. 2016 09:47:33.162 2928:3 IMis/Client <cancelltemcommand.execute> Entering method with parameter (False).</cancelltemcommand.execute>		
 20. 10. 2016 09:47:33.167 2928:3 IMiS/Client <cancelitemcommand.execute> Izstop iz metode brez rezultata.</cancelitemcommand.execute> 20. 10. 2016 09:47:33.173 2928:3 IMiS/Client <configcontainer.raiseitemchange> Raise item changed for 'null'.</configcontainer.raiseitemchange> 		
20. 10. 2016 09:47:33.173 29263: IMIS/LIENT CONTINUE CONTINUES CONFIGURE AUXIENT AUXIENT AUXIENT AUXIENT	onfig (onf
20. 10. 2016 09:47:33.173 2208:3 IMIS/Client <configview.configviewwin_merreshitem> parent selected.</configview.configviewwin_merreshitem>	JIII 1g. C	John .
20. 10. 2016 09:47:33.173 2928:3 IMIS/Client ConfigView.ConfigViewWin RefreshTem> Izstop iz metode brez rezultata.		
20. 10. 2016 09:47:33.173 2928:3 IMiS/Client <archive.configlogout> Vstop v metodo brez parametrov.</archive.configlogout>		
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <archive.getentityinfo> Vstop v metodo s parametroma (ClassificationCode, (</archive.getentityinfo>	=sys^C	=Tn
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <archive.getentityinfo> Vstop v metodo s parametri (ClassificationCode, C=</archive.getentityinfo>		
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <archive.getentityinfo> Pridobivanje informacij o entiti na arhivu 'iarc97</archive.getentityinfo>	imis.s	i:1
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <iasessionpool.getsession> Vstop v metodo brez parametrov.</iasessionpool.getsession>		
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <iasessionpool.getsession> Sessions are available in the session pool (free</iasessionpool.getsession>		
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <iasessionpoolacquiresession> Vstop v metodo s parametrom (IMiS.StorageCon</iasessionpoolacquiresession>	inector	^. IA
20. 10. 2016 09:47:33.173 2928:3 IMis/Storage Connector <iasessionpool.acquiresession> Session 1 acquired (refCnt=1).</iasessionpool.acquiresession>		
20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <iasessionpool.acquiresession> Session 1 successfully retrieved from the so 20. 10. 2016 09:47:33.173 2928:3 IMiS/Storage Connector <iasessionpool.acquiresession> Izstop iz metode brez rezultata.</iasessionpool.acquiresession></iasessionpool.acquiresession>	255100	poo
20. 10. 2016 09:47:33.173 2920:3 IMIS/Storage Connector <iasessionpool.acquiresession> Izstop Iz metode prez rezultata. 20. 10. 2016 09:47:33.173 2928:3 IMIS/Storage Connector <iasessionpool.getsession> Izstop iz metode z rezultatom (IMIS.StorageConnector <iasessionpool.getsession> Izstop iz metode z rezultatom (IMIS.StorageConne</iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.getsession></iasessionpool.acquiresession>	actor T	IACS
20. 10. 2010 01.4.15117 22013 THIS/STOPAGE CONNECTOR ALBESSION DILACESSION IZSTOP IZ MECODE Z PEZITATOM (IHIS/STOPAGECONN		~
<		> .:

Image 239: Example error record in the log file

If the administrator is unable to solve the issue using the log, administrator is advised to forward it to the software developer for analysis, by sending an email with the issue's description to <u>support@imis.eu</u>.

8.3 Configuring

Configuration is performed by the user versed in the operation of the IMiS[®]/Client in connection with the IMiS[®]/ARChive Server and has appropriate access rights.

8.3.1 Adding an IMiS[®]/ARChive Server

After the first launch, Windows Explorer will only show the »Archives« folder in the left view. To access an IMiS[®]/ARChive Server, it is necessary to add it into the »Archives« folder.

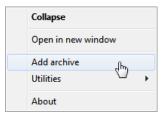


Image 240: Adding an archive via the popup menu

Archives are added by right-clicking the »Archives« folder, then choosing the »Add archive« command in the upper command bar. The »Add archive« dialog box appears in which the user enters the path to the IMiS®/ARChive Server in appropriate form (*glej poglavje 8.3.2* <u>Nastavitev strežnika</u>).

🐞 Add archive		×
Archive:		
iarc.imis.si		
 Options 		
		a 1
	Add	Cancel

Image 241: Add archive dialog box

The process is confirmed by clicking »Add« or pressing the »Enter« key, or cancelled by clicking »Cancel«. The added server is recorded in an XML file located in a hidden system folder, which is separate for each user (»Local application data«).

<u>Note</u>: When adding a server, you will not be asked to log into it. Access to server is checked when the user logs in for the first time.

When the server is added, it will appear in the »Archives« folder.

👜 🖓 📕 🚽 Archives				– 🗆 X
File Home Share View				~ 🔞
Pin to Quick Copy Paste Copy path access	Move Copy to to Delete Rename	New item •	Properties Open *	Select all Select none
Clipboard	Organize	New	Open	Select
\leftarrow \rightarrow \checkmark \Uparrow \clubsuit Archives $>$			~	ල් Search Ar , P
 > A Quick access > OneDrive > Windows10_PC > Network 	Host			
 ✓ 翰 Archives ▶ IMiS main archive 				
1 item				

Image 242: Display of newly added archives

Users that wish to access the archive must first log into it (<u>see chapter 4.2.1 Login and</u> <u>logout</u>).

8.3.2 Setting an IMiS[®]/ARChive Server

User can access the server settings by clicking the right mouse button over the folder »Archives«. In the above command line select the command »Preferences«.

Expand	
Log in	
Preferences	Ռո
Configure	4
Remove archive	

Image 243: Setting the archive via the pop-up menu

A dialog box »Preferences« with IMiS®/ARChive Server settings is shown.

Display name:	IMiS main archive
Service URL:	iarcs://iarc.acme.si
Configuration URL:	https://iarc.acme.si:16808/admin
Kerberos SPN:	IARC/iarc.acme.si@IMIS.SI
SSO username type:	Account name (SAM)

Image 244: Archive settings

The user has the following settings options for the selected server:

- »Display name«: The user can name the server freely.
- The default name when adding a new archive is »IMiS/ARChive«;
- »Service URL«: The user can edit the server path in a prescribed form as described below.
- »Configuration URL«: The user specifies the path to server configuration in a prescribed form as described below.
- »Kerberos SPN«: The user specifies the Kerberos SPN (Service Principal Name).
- »SSO username type«: The user chooses the form of the name to be used for simple authentication.

Service URL must be given in the following form:

```
<scheme>://<host>:<port>
```

where:

»scheme«: Optional scheme for the connection type with the archive server.
 Valid values are »iarcs« for a protected connection and »iarc« for an unprotected connection.

If the scheme is not specified, the default scheme is used (unprotected connection).

- »host«: The network name or IP address of the archive server.
- »port«: Optional network port of the archive server. If the network port is not specified, it is determined according to the selected scheme. The default network port for a protected connection is16806, and 16807 for an unprotected connection.

Configuration URL must be given in the following form:

<scheme>://<host>:<port>/admin

where:

- »scheme«: A scheme for the connection type with the archive server.
 Valid values are »https« for a protected connection and »http« for an unprotected connection.
- »host«: The network name or IP address of the archive server.
- »port«: The network port of the archive server. The default network port for connecting with a configuration URL is 16808.

In the field »Kerberos SPN« the user specifies the Kerberos Service Principal Name in the following form:

<prefix>/<host>/<realm>

where:

- »prefix«: Identifier of the Kerberos service with the default value »IARC«.
- »host«: The network name or IP address of the archive server.
- »realm«: The realm of the Kerberos service whose default value is the network realm in capital letters.

SSO username type refers to selecting a username for Single Sign-on authentication. SSO name options are:

- »Account name (SAM)«: The form of the name is the same as the account name which corresponds to the value of the »sAMAccountName« attribute in the LDAP scheme Active Directory Domain Services (example: »johnsmith«).
- »Common name«: The form of the name is the same as the user's first and last name. The name usually corresponds to the »cn« attribute in the LDAP scheme Active Directory Domain Services (example: »John Smith«).
- »User principal name«: The form of the name consists of the account name and DNS domain name separated with »@«. The main name corresponds to the value of the »userPrincipalName« attribute in the LDAP scheme Active Directory Domain Services (example: »johnsmith@acme.si«).
- »Distinguished name«: The form of the name corresponds to the value of the »distinguishedName« attribute in the LDAP scheme Active Directory Domain Services (example: "CN=John Smith,OU=ACME,DC=acme,DC=si").

 »Email address«: The form of the name is the same as the user's email address and corresponds to the value of the »mail« attribute in the LDAP scheme Active Directory Domain Services (example: »john.smith@acme.si«).

User completes the server setup by selecting the command »OK« or by pressing the »Enter« button. By selecting the »Cancel« command the server setup is cancelled.

8.3.3 Removing an IMiS[®]/ARChive Server

Existing servers can be removed by selecting them in the left view of Windows Explorer, then right-clicking to open the popup menu where the »Remove archive« command can be selected.

Expand	
Log in	
Remove archive	վեր
Change settings	
Log out	

Image 245: Removing an archive via the popup menu

This will open a dialog box asking for confirmation to remove the selected IMiS[®]/ARChive Server.

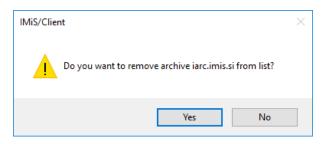


Image 246: Remove archive dialog box

Removal is confirmed by clicking »Yes« or cancelled by clicking »No«. When the IMiS[®]/ARChive Server is removed from the list, it will no longer appear in the »Archives« folder. A new IMiS[®]/ARChive Server is added according to the procedure described in *chapter 8.3 Configuring in the IMiS[®]/ARChive Server manual.*

8.4 Server configuration

Access to the configuration of the IMiS[®]/ARChive Server is only possible when the user has activated the HTTP authentication and has generated a password. By right-clicking the selected archive, the user selects the »Configure« command in the popup menu.

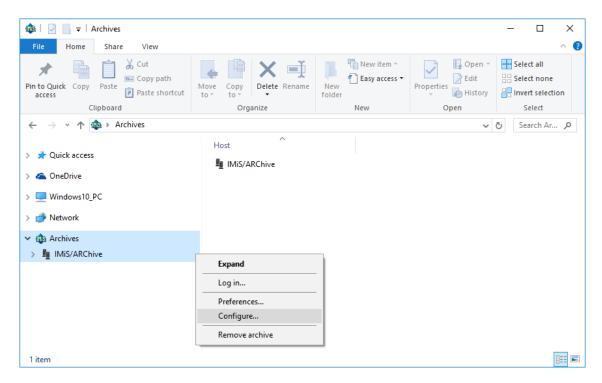


Image 247: Choosing the »Configure« command before the user has logged into the archive

The user can also configure the IMiS[®]/ARChive Server after he has already logged into the archive.

Collapse	
Reports	>
Print	>
Actions	>
Search	
Preferences	
Configure	
Remove archive	
Log out	

Image 248: Choosing the »Configure« command after the user has logged into the archive

After choosing the »Configure« command, the »Configuration log in« dialog box appears, where the user can enter his username into the »Username« field and his password into the »Password« field. Login is confirmed by clicking »Log in« and cancelled by clicking »Cancel«.

🐞 Configuration log	in	×
Archive:		
iarc.imis.si		
Username:		
admin		
Password:		
••••		
	Login	Cancel

Image 249: Dialog box for entering username and password

Following a successful authentication, a list of configuration folders is displayed in the right view:

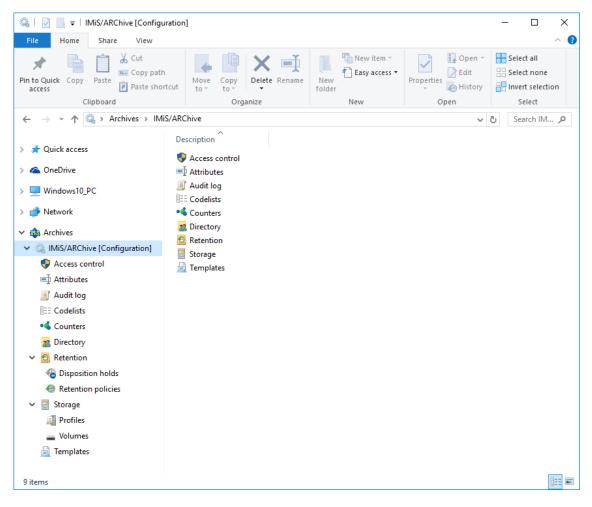


Image 250: List of available folders displayed after logging into the archive configuration

The availability of the configuration folders depends on the user's roles.

The following configuration folders can be displayed:

- »Access Control«: contains a list of users and user groups, for which the user with appropriate access rights has set rights to entities and user entered attributes.
- »Attributes«: contains a list of system attributes and user entered attributes, which are used for setting properties.
- »Audit log«: contains the audit log settings, including the parameters which must be entered when establishing a connection to the archive, and the actions to be recorded in the audit log.
- »Codelists«: contains a list of attributes, which are used to set the value range.
- »Counters«: the user sets tree depth of the entities in the classification scheme and entry format of the classification code for an individual entity type on a specific level.
- »Directory«: contains a list of users and user groups of the server, including the corresponding information about the user, authentication, roles and memberships in the groups.
- »Retention«: contains two folders with settings for retention policies and disposition holds:
 - »Retention policies«: contains a list of retention policies for the archived content.
 - »Disposition holds«: contains a list of disposition holds for the archived content.
- »Storage«: contains two folders for the profiles and volumes specified on the server.
 - »Profiles«: contains a list of the profiles specified on the server.
 - »Volumes«: contains a list of all volumes on the server.
- »Templates«: contains a list of templates for setting attributes.

The following commands are displayed in the command bar:

• »Edit«: the selected entity/objects opens in the editing mode.

This command is only available for the entities/objects, which can be set by the user.

- »Add«: allows the user to add the selected entities/objects from the list.
 This command is only available for the entities/objects, which can be set by the user.
- »Remove«: allows the user to remove the selected entities/objects from the list.
 This command is only available for the user defined entities/objects, when the selected entity is opened in the edit mode.

For the selected configuration folders »Attributes«, »Codelists«, »Counters«, »Directory« or »Templates«, the »Filter« command is also displayed in the command bar.

The latter enables viewing of a specific set of objects only.

Image 251: Example of the command bar in the configuration folder with the »Filter« command

<u>Advice</u>: The user with appropriate access rights can save the default settings of the filter for the individual configuration folders. Clicking the selected filter while pressing Left+Shift saves the default setting.

When the »Access control« configuration folder is selected, the »Context« command is added in the command bar. The latter enables viewing the entire archive or only individual system entities.

Edit Add Remove Context [Global] 🔻

Image 252: Command bar in the »Access control« configuration folder

8.4.1 »Access control« folder

The »Access Control« folder contains a list of users and user groups, for which rights for accessing the entities and attributes are set by the user with appropriate access rights. The basic information about users and user groups is listed in the columns.

To ensure clarity, users and user groups have their own icons.

🌍 🔄 🔚 🗢 Access control				- 🗆 X
File Home Share View				^
Pin to Quick Copy access	Move Conv De		Easy access - Properties	Open ~ Select all Edit Select none History Invert selection
Clipboard	Organize		ew Ope	
$\leftarrow \rightarrow \checkmark \uparrow \diamondsuit$ Archives \rightarrow IM	1iS/ARChive > Access contr	rol		✓ Ö Search IM ク
1.0.1	Edit Add	Remove Context [Glo	bal] 🔻	
📌 Quick access	Subject	First name	Last name	Description
🐔 OneDrive	anelson 🙎	Alex	Nelson	Sales - Controlling
💻 Windows10_PC	acirwin 🙎	Caroline	Irwin	IT - System Administratior
Artwork	alayton 🙎	Grace	Layton	Controlling - Internal audi
	akclay	Keira	Clay	IT - Human Resources assi
Archives	a mwelch	Marco	Welch	Sales
IMiS/ARChive [Configuration]	a rjordan	Raul	Jordan	Maintenance
Access control	👗 rsalazar	Ron	Salazar	Sales - IT support
■ Attributes	8 sys:Administrators		System Administrator	rs Local full-access system a
☑ Audit log IEE Codelists				
• Counters				
Directory				
Retention				
Storage				
Profiles				
Volumes				
🚊 Templates				
9 items 1 item selected				

Image 253: List of users and user groups in the »Access control« configuration folder

By choosing the »Context« command in the upper command bar, the user with appropriate access rights can set the view context.

Cont	text [Global] 🔻			
	Global			
	Import			
	Export			
	Deleted			
	Disposed			
	Policies			
	Holds			
	Reviews			

Image 254: Choosing the context in the »Access control« configuration folder

The user can choose between the following contexts:

- »Global«: contains rights for accessing the entities and attributes on the level of the entire archive.
- »Import«: contains rights for accessing the entities and attributes in the »Import« system folder.
- »Export«: contains rights for accessing the entities and attributes in the »Export« system folder.
- »Deleted«: contains rights for accessing the entities and attributes in the »Deleted« folder in the »Trash« system folder.
- »Disposed«: contains rights for accessing the entities and attributes in the »Disposed« folder in the »Trash« system folder.
- »Policies«: include access rights to entities and attributes in the system folder »Policies«.
- »Holds«: include access rights to entities and attributes in the system folder »Holds«.
- »Reviews«: contains rights for accessing the reviews in the »Reviews« system folder.

8.4.1.1 Selecting »Global«

The user with appropriate access rights can set rights for accessing the entities and attributes for an individual user or user group on the level of the entire archive.

By selecting the »Add« command in the command bar and by choosing the appropriate user from the available users and user groups, the user with appropriate access rights can add a new user or user group. User can also set rights for accessing the entities and attributes for a user or user group. The selected settings are saved by choosing the »Save« command.

By choosing the appropriate user from the available users and by selecting the »Remove« command, the user with appropriate access rights can remove the new user.

<u>»Entity rights« tab</u>

By clicking the user on the list, the »Entity rights« tab is displayed in the lower right view of the Windows Explorer. By clicking the »Add« command, the user with appropriate access rights can allow the following actions over the entities, which are valid for the entire archive:

- »Read«: the user has permission to read data on the selected entity.
- »Write«: the user has permission to edit entity data.
- »Move«: the user has permission to move the entity within the classification scheme.
- »Delete«: the user has permission to delete entity data.
- »Create entities«: the user has permission to create sub-entities under the selected entity.
- »Change permissions«: the user has permission to change the effective permissions of other users on the selected entity.
- »Change security class«: the user has permission to change the security class of the selected entity.
- »Change status«: the user has permission to change the entity status.

Save Add 🔻	Remove
Allow	Read, Write, Move, Delete, Create entities, Change status, Change retention [1. 06. 2016 00:00 - 31. 12. 2016 00:0
Read	True
Write	True
Move	True
Delete	True
Create entities	True
Change permissions	False
Change security class	False
Change status	True
Change retention	True
Valid from	1. 06. 2016 00:00
Valid to	31, 12, 2016 00:00

Create entities Specifies whether Create entities right is granted.

Image 255: Entities access rights

The rights are changed by choosing one of both options »True« and »False«. Time restriction is set by choosing the date and time, by setting the permission expiration date in the calendar for the »Valid from« and »Valid to« fields.

<u>Warning</u>: After changing the global rights, the current user rights are valid for the entire duration of his session or until the user logs into the archive again.

»Property rights« tab

By clicking the »Property rights« tab in the lower right view of the Windows Explorer and the »Add« tab, the user with appropriate access rights can allow the following actions over the attributes, which are valid for the entire archive:

- »Read«: the user has permission to read the attribute value.
- »Write«: the user has permission to write the attribute value.
- »Create«: the user has permission to create the attribute value.
- »Delete«: the user has permission to delete the attribute value.

Entity rights Property right	105
Save Add	Remove
 ContentIsVerified 	
 Allow 	Read
Read	True
Write	False
Create	False
Delete	False
Valid from	29.6.2015 0:00
Valid to	1.7.2015 0:00

Image 256: Access rights to attributes

The rights are changed by choosing one of both options »True« and »False«. Time restriction is set by choosing the date and time, by setting the permission expiration date in the calendar for the »Valid from« and »Valid to« fields.

<u>Warning</u>: After changing the global rights, the current user rights are valid for the entire duration of his session or until the user logs into the archive again.

<u>Note</u>: On the archive level, restrictions (»Deny«) of the access rights settings have no meaning, because access right by default sittings are not allowed.

8.4.1.2 Selecting the rest contexts

Access rights to entities and attributes for an individual user or user group are set by the user with appropriate access rights in the system folders: »Import«, »Export«, »Deleted«, »Disposed«, »Policies«, »Holds« and »Reviews«.

Rights are described in the *<u>chapter 8.4.1.1 Selecting</u> »Global«*.

The user with appropriate access rights can »Allow« or »Deny« explicit permissions for each right from the list.

In addition to explicit rights, inherited rights (»Allow [Inherited]«), which are set on the level of the entire archive, are also available in the »Entity rights« and »Property rights« tab.

The inherited rights cannot be changed; however, they can be replaced with the explicit rights.

8.4.2 »Attributes« folder

The »Attributes« folder contains a list of attributes described with their values.

The following attribute information is listed in the columns:

- »Name«: contains the name of the attribute.
- »Type«: contains the type of the attribute.
- »Description«: contains the description of the attribute.
- »Used by«: contains titles of the templates, in which the attribute is used.

I I I I I I I I I I I I I I I I I I I				_	
A Cut Copy Paste Paste Paste	Move Conv Delete Penar	t 📜 🖣 Ea	ew item * say access * Properties With the temperature of temp	Select all Select none	
Clipboard	Organize	Nev	v Open	Select	
$\leftarrow \rightarrow \checkmark \uparrow \blacksquare$ Archives > IMi	S/ARChive > Attributes			✓ Ö Sear	rch IM 🔎
	Edit Add Remove	Filter [All] 🔻			
🖈 Quick access	Name	Type	Description	Used by	
le OneDrive	■ sys:Closed	DateTime		is was set to sys:AutonomousDoci	ument; :
Windows10 PC	■ sys:CommitLog	StringMax	Contains verification steps loggir	ng during en sys:ret:Policy; sys:ret:l	Review;
	≡] sys:Content	File	Binary content container	sys:ret:Policy; sys:ret:I	Review;
💣 Network	🗐 sys:Creator	DirectoryEntity	Entity creator	sys:EntityContainer; s	ys:ret:Pc
🚯 Archives	🗐 sys:del:Agent	DirectoryEntity	The user who carried out the deletion		
🔹 MiS/ARChive [Configuration]	📑 sys:del:ClassificationCode	String200	Fully qualified classification code	at deletion	
Access control	🗐 sys:del:DateTime	DateTime	Date and time of deletion		
🗐 Attributes	📑 sys:del:Reason	String200	The reason for deletion		
🧾 Audit log	🗐 sys:del:Reference	String200	Reference to an entity (internal, e	xternal) whi	
EE Codelists	sys:Description	String200	Entity brief description	sys:EntityContainer; s	ys:ret:Pc
•4 Counters	🗐 sys:eml:Date	DateTime	Email date and time	sys:EMail	
a Directory	🗐 sys:eml:From	String200	Email sender address	sys:EMail	
> 🕙 Retention	🗐 sys:eml:Messageld	String100	Automatically generated messag	e identifier sys:EMail	
> 🚆 Storage	sys:eml:Priority	UInt32	Email delivery priority	sys:EMail	
🚊 Templates	🗐 sys:eml:Signed	Bool	Specifies if email has been digital	ly signed sys:EMail	
	🗐 sys:eml:Subject	String200	Email subject	sys:EMail	
	🛋 sys:eml:To	String200	Email recipient addresses	sys:EMail	
	sys:eml:ToBCC	String200	Email blind-copy-to recipient ad	dresses sys:EMail	
	🗐 sys:eml:ToCC	String200	Email copy-to recipient addresse	s sys:EMail	
	sys:Externallds	String100	Entity unique external ids	sys:ret:Document	
	sys:Keywords	String30	Entity keywords	sys:ret:Review; sys:ret	:Docum
	🗐 sys:move:Agent	DirectoryEntity	The person who relocated the en	tity	
	sys:move:ClassificationCode	String200	Fully qualified classification code	at relocatio	

Image 257: Attribute list in the »Attribute« configuration folder

By choosing the »Filter« command in the upper command bar, the user with appropriate access rights can set the view content.

Filter [All] 🔻		
All		
User defined		
System		

Image 258: Selecting the filter in the »Attribute« configuration folder

The user can choose between the following options:

- »All«: all attributes are shown on the list.
- »User defined«: only user defined attributes are shown on the list.
- »System«: only system attributes are shown on the list.

The system attributes cannot be changed.

»Attribute Properties« bar

By clicking the attribute on the list, the following value settings are shown in the "Properties" tab in the lower right view of the Windows Explorer.

- »Name«: contains the name of the attribute. In case of a system attribute, the attribute type is shown at the beginning (sys:, eml:, prm:, trf:) and a short description follows.
 For each new entry, the value for the attribute name has to be selected before saving.
 Once the entry is saved, the value cannot be changed any more.
- »Type«: specifies the attribute type (for example DirectoryEntity, Boolean, Int32, Double, DateTime, String, Decimal, Binary or File). For each new entry, the value for the attribute type has to be selected before saving. Once the entry is saved, the value cannot be changed any more.
- »Description«: contains a short description of the attribute.
- »Validation Expression«: specifies the value that represents the regular expression used to check the new or changed attribute values. Further information about the syntax and rules: <u>http://en.wikipedia.org/wiki/Regular expression</u>.
- »Searchable«: specifies if search by its value is possible. »True« setting; marks that search by the attribute value is possible using the search functions.

- »Unique«: if the selected value is »True«, the attribute value is unique throughout the whole archive. The user with appropriate access rights can select this value if he wants to avoid entering the attribute value, which is already specified by a different entity.
- »PickList«: if the selected value is »True«, the values have been pre-set. It is not possible to enter the values manually outside of the list of allowed values.

Save		
Name	sys:Title	
Туре	String200	
Description	Entity title	
Validation expression		
Searchable	True	
Unique	False	
PickList	False	

Image 259: Attribute properties

Examples of validation formula:

On the IMiS[®]/ARChive Server a Perl syntax of regular expressions is implemented. The whole value of the attribute must match the syntax of the validation formula. A user can check the adequacy of the syntax on this web address <u>http://www.perlfect.com/articles/regextutor.shtml</u>. Below are a few examples. Values are written in single quotes and are not a part of values.

Regular expression: 'A-Za-z' Accepted value: value 'A-Za-z' The value of the attribute must be equal to the value of the regular expression.

Regular expression: '[A-Za-z]'

Accepted values: one letter that has values between 'A' and 'Z' or 'a' and 'z' All other combinations (i.e.: 'ab', 'Ab', 'aB', '123a' and so on.) are invalid.

Regular expression: 'a*b'

Accepted values: combination of values 'ab', 'aaaaab', 'aaaaaaaaaaaab', also only 'b'. A star means that the previous character 'a' isn't present or can be repeated multiple times. All other combinations that are a partial match (i.e.: '123aaaab', 'aaab123') or not a match (i.e.: 'gbrtz', '12345') are invalid.

Regular expression: 'a+b'

Accepted values: combination of values 'ab', 'aaaaab' and so on. Character '+' demands a presence of a previous character 'a', that can also be repeated. In this case value 'b' is invalid. For all other combinations see the previous example.

Regular expression: '.at'

Accepted values: all three character values ending with 'at' (npr. 'cat', 'tat', 'pat', '5at', and so on). All other values are invalid.

<u>»Use under« tab</u>

By clicking the »Use under« tab in the lower right view of the Windows Explorer, all templates, in which the attribute is used are listed (<u>see chapter 8.4.9 » Templates« folder</u>).

Properties Used by	
Save	
Template	sys:EntityContainer
Template	sys:ret:Policy
Template	sys:ret:Hold
Template	sys:ret:Review
Template	sys:ret:ReadOnlyPolicy
Template	sys:ret:Document

Image 260: Templates, in which the attribute is used

8.4.3 »Audit log« folder

The »Audit log« folder contains the audit log parameters.

»Properties« tab

By clicking the »Audit log« folder, the right view of Windows Explorer shows the following value settings under the »Properties« tab:

- »User name«: requires the entering of a user name for the audit log.
- »Computer name«: requires the entering of a computer name for the audit log.
- »Private address«: requires the entering of a private IP address for the audit log.
- »Reason«: requires the entering of a reason for the action which is recorded in the audit log.

🧾 📝 📕 🗸 Audit log				– 🗆 X
File Home Share View				~ 🧃
Pin to Quick Copy access	cut Move Copy to - Copy Organize	Easy access •	Properties • • • • • • • • • • • • •	Select all Select none Invert selection Select
\leftarrow \rightarrow \checkmark \uparrow \blacksquare \diamond Archives \diamond IMiS	ARChive > Audit log		~	ල Search IM උ
🖈 Quick access	Properties Entity events Content of Save	events		
and ConeDrive 🗠 🗠	User name False			
Windows10_PC	Computer name False			
💣 Network	Private address False Reason False			
🏟 Archives				
🔍 IMiS/ARChive [Configuration]				
Access control				
■ Attributes				
🧾 Audit log				
EE Codelists				
•4 Counters				
🧟 Directory				
Retention				
🚆 Storage				
🚊 Templates				
9 items 1 item selected				

Image 261: List of properties in the »Audit log« configuration folder

<u>»Entity events« tab</u>

By clicking the »Entity events« tab in the »Audit log« folder, the right view of Windows Explorer shows the following value settings:

- »Audit log«: searching the audit log is recorded in the audit log.
- »Create«: the action of creating an entity is recorded in the audit log.
- »Open«: the action of opening an entity in reading mode is recorded in the audit log.
- »Edit«: the action of opening an entity in writing mode is recorded in the audit log.
- »Save«: the action of saving an entity is recorded in the audit log.
- »Move«: the action of moving an entity is recorded in the audit log.
- »Delete«: the action of deleting an entity is recorded in the audit log.
- »Access control change«: the action of changing access control is recorded in the audit log.
- »Attributes change«: the action of changing the values of entity attributes is recorded in the audit log.

- »Physical content change«: the action of changing the values of physical content attributes is recorded in the audit log.
- »Security class change«: the action of changing the entity's security class is recorded in the audit log.
- »Status change«: the action of changing the entity's status is recorded in the audit log.
- »Dispose«: the action of disposing an entity in the review process is recorded in the audit log.
- »Permanent«: the action of marking an entity as permanent in the review process is recorded in the audit log.
- »Transfer«: the action of transferring an entity in the review process is recorded in the audit log.
- »Review«: the action of reviewing an entity in the review process is recorded in the audit log.

IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					×
Pin to Quick Copy Paste access Cipboard	Move Conv De	k interest enterest	New item * T Easy access * Folder New	Properties	Select all Select none Invert selection Select
\leftarrow \rightarrow \checkmark \uparrow \blacksquare \rightarrow Archives \rightarrow IM	iS/ARChive → Audit log			ٽ ~	Search IM 🔎
🖈 Quick access	Properties Entity events Save	Content even	ts		
le OneDrive	Audit log	True			
Windows10_PC	Create	True			
💣 Network	Open Edit	True True			
🐽 Archives	Save	True			
🍓 IMiS/ARChive [Configuration]	Move	True			
💎 Access control	Delete	True			
🛋 Attributes	Access control change	True			
🧾 Audit log	Attributes change	True			
E Codelists	Physical content change	True			
•l Counters	Security class change	True			
对 Directory	Status change	True			
💁 Retention	Retention change	True			
🚆 Storage	Dispose	True			
🚊 Templates	Permanent	True			
	Transfer	True			
	Review	True			
9 items 1 item selected					

Image 262: List of entity events in the »Audit log« configuration folder

»Content events« tab

By clicking the »Content events« tab in the »Audit log« folder, the right view of Windows Explorer shows the following value settings:

- »Create«: the action of creating content is recorded in the audit log.
- »Open«: the action of opening an entity in reading mode is recorded in the audit log.
- »Edit«: the action of opening an entity in writing mode is recorded in the audit log.
- »Save«: the action of saving content changes is recorded in the audit log.
- »Delete«: the action of deleting content is recorded in the audit log.
- »Attributes change«: the action of changing the values of content attributes is recorded in the audit log.

🗐 🔄 📃 🔻 Audit log					- 🗆 X
File Home Share View					^ 🕐
	rtcut to v to v	elete Rename	New item → New folder	Properties Properties Properties	Select all Select none Invert selection
	Organiz	e	New	Open	
← → ∽ ↑ 📑 → Archives → IMi	S/ARChive → Audit log			~	ර Search IM , p
📌 Quick access	Properties Entity events	Content ever	nts		
	Save				
le OneDrive	Create	True			
Windows10_PC	Open	True			
🔿 Network	Edit	True			
-	Save	True			
Archives	Delete	True			
IMiS/ARChive [Configuration]	Attributes change	False			
Access control Access control					
Audit log					
E Codelists					
• Counters					
Directory					
Retention					
Storage					
Templates					
9 items 1 item selected					

Image 263: List of content events in the »Audit log« configuration folder

8.4.4 »Codelists« folder

The »Codelists« folder contains a list of codelists, for which the user with appropriate access rights sets the value range. The following codelist information is listed in the columns:

- »Attribute«: attribute, to which the codelist is tied.
- »Template«: template, to which the codelist is tied.

III ☑				-
	tcut to v to v	Rename New item -	Properties Edit	Select all
Clipboard	Organize	New	Open	Select
← → ∽ ↑ 🖽 Archives > IMit	S/ARChive > Codelists		~ 0	Search IM ,
🖈 Quick access		Remove Filter [All] 🔻		
ConeDrive	Attribute	Template		
	sys:Status	Any templates Any templates		
Windows10_PC	sys:Significance sys:SecurityClass	Any templates		
💣 Network	sys:sec:From	Any templates		
🚯 Archives	sys:scc:To	Any templates		
🔍 IMiS/ARChive [Configuration]	sys:prm:Status	Any templates		
Access control	sys:eml:Priority	Any templates		
🛋 Attributes	sys:ret:pol:Action	Any templates		
🧊 Audit log	sys:ret:rev:Action	Any templates		
EE Codelists	sys:ret:rev:State	Any templates		
•4 Counters				
za Directory				
💁 Retention				
Storage				
🚊 Templates				
items 1 item selected				8==

Image 264: Attribute list in the »Codelists« folder

By choosing the »Filter« command in the upper command bar, the user with appropriate access rights sets the view content.

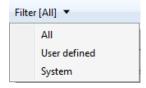


Image 265: Selecting the filter in the »Codelists« folder

The user can choose between the following options:

- »All«: all codelists are shown on the list.
- »User defined«: only user defined codelists are shown on the list.
- »System«: only system codelists are shown on the list.

»Properties« bar

By clicking the codelist on the list, the following value settings are shown in the »Properties« tab in the lower right view of the Windows Explorer.

- »Attribute«: contains the name of the attribute. Specifying the field value is mandatory for new entries. Once saved, the value can no longer be changed.
- »Template«: contains the value from the list of available templates, from which the user will select one of the attribute values from the codelist. The user can select the name of the individual template (for example Class, Case, Document...) or all templates.

Properties Keywords	
Save	
Attribute	sys:Significance
Template	Any templates



»Keywords« tab

By clicking the »Keywords« tab in the lower right view of the Windows Explorer, the user with appropriate access rights specifies the range of available attribute values.

<u>Warning</u>: It is important to ensure the correct syntax when adding values. Attribute value can be written with or without quotes.

Properties	Keywords				
Save	Add	Remove	+ +		
1 1:{alias=	Vital}				
2 2:{alias=	Permanent}				
3 3:{alias=	Retain}				
4 4:{alias=	Delete}				



Properties	Keywords					
Save	Add	Remove	+ +			
1 {alias="	Client docume	entation"}				
2 {alias="	Server docume	entation"}				
3 {alias="	Interface docu	mentation"}				

Image 268: Available attribute values with quotes

<u>Warning</u>: It is required to restart the IMiS[®]/ARChive Server in order to effect changes of the value settings in the »Codelists« folder.

8.4.5 »Counters« folder

In the »Counters« folder the user with appropriate access rights can define counters, which are used for generating values of the selected attributes. The following information about the values of the selected attributes is listed in the columns:

- »Scope«: defines the entity type, for which the counter is used. To ensure clarity, individual counter types have their own icons.
- »Level«: defines the entity level in the classification scheme.
- »Level aspect«: defines the entity position in the classification scheme according to its parent entity.
- »Storage«: attribute, for which the value is generated using the counter.
- »Unique within«: defines the uniqueness of the counter within the selected context.

I I I I Counters						~
Pin to Quick Copy Paste access Cipboard	rtcut Move Copy	Delete F	Rename New folder	New item ▼ Tasy access ▼ New	Properties • Open • Edit • History Open	Select all Select none Invert selection
$\leftarrow \rightarrow \cdot \uparrow \bullet \bullet \bullet$ Archives \rightarrow IM		-				ල් Search IM ව
	Edit Ad	l d Rer	nove Filter [/	AII] 🔻		
> 📌 Quick access	Scope	Level	Level aspect	Storage	Unique within	
🔉 🝊 OneDrive	🐂 Class	1	Relative	ClassificationCo	de Parent	
Vindows10_PC	🐂 Class	2	Relative	ClassificationCo	de Parent	
	🐂 Class	3	Relative	ClassificationCo	de Parent	
> 💣 Network	🐂 Class	4	Relative	ClassificationCo	de Parent	
🗸 🏟 Archives	🐂 Class	5	Relative	ClassificationCo	de Parent	
✓ 🤹 IMiS/ARChive [Configuration]	🀂 Class	6	Relative	ClassificationCo	de Parent	
Access control	🗐 Document	1	Relative	ClassificationCo	de Parent	
■↓ Attributes		1	Relative	ClassificationCo	de Parent	
🗐 Audit log		2	Relative	ClassificationCo	de Parent	
EE Codelists						
🔩 Counters						
a Directory						
> 🙆 Retention						
> 🚆 Storage						
🚊 Templates						

Image 269: Attribute list in the »Counters« folder

By choosing the »Filter« command in the upper command bar, the user with appropriate access rights can set the view content.

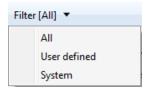


Image 270: Selecting the filter in the »Counters« folder

The user can choose between the following options:

- »All«: all counters are shown on the list.
- »Class«: only counters for classes are shown on the list.
- »Folder«: only counters for folders are shown on the list.
- »Document«: only counters for documents are shown on the list.

It is defined for the class, folder and documents, until which level in the classification scheme the user with rights for creating entities can create subentities.

<u>»Properties« bar</u>

By clicking the counter on the list, the following value settings are shown in the lower right view of the Windows Explorer:

- »Scope«: defines the entity type. The user with appropriate access rights can choose between the class, folder or document. Specifying the field value is mandatory for new entries. It cannot be changed for the existing entries.
- »Level«: defines the entity level in the classification scheme.
 When defining a new level of the class, folder or document, the user with access rights for creating entities can create a new subentity of this type. Specifying the field value is mandatory for new entries. It cannot be changed for the existing entries.
- »Level aspect«: defines the entity position in the classification scheme according to its parent entity. The user with appropriate access rights can choose between the »Relative« or »Absolute« value. When the selected value is »Relative«, the uniqueness of counting is set in the »Unique within« field. When the selected value is »Absolute«, the counting is unique on the level of the entire archive.
- »Attribute«: attribute, for which the value is generated using the counter.
 The user with appropriate access rights can choose between the »Classification code« and user-defined attributes. Specifying the field value is mandatory for new entries.
 It cannot be changed for the existing entries.
- »Unique within«: defines the uniqueness of the counter within the selected context. The user with appropriate access rights can choose between the following contexts:
 - »Archive«: uniqueness applies to the entire archive.
 - »Parent«: uniqueness applies to the parent class.
 - »Root class«: uniqueness applies to the first class in the chain of parent classes.
 - »Leaf class«: uniqueness applies to the last class in the chain of parent classes.
- »Initial value«: defines the initial value of the attribute value counter, which is selected in the »Storage« field.
- »Increment«: defines, in which steps the counter will increase for the attribute level selected in the »Storage« field.
- »Format«: defines the attribute value entry selected in the »Storage« field.

roperties	
Save	
Scope	Class
Level	1
Level aspect	Relative
Storage	ClassificationCode
Unique within	Parent
Initial value	1
Increment	1
Format	%02@count@

Image 271: Counter properties for the class on the first level

<u>Warning</u>: Archive administrator must carefully plan the entity tree structure. For correct sorting of entities in the classification scheme it is advisable to anticipate the number of root classes. Based on their number the format is determined accordingly.

<u>Example:</u> The value »%02@count@« of the attribute Format in the image above determines that the class classification codes are recorded from 1 to 99. With this setting the classes with a classification code between 100 and 199 would be sorted between 10 and 20, which would lead to the lack of clarity in classification scheme. If the anticipated number of classes is around 100, the necessary value of the attribute »Format« must be set to »%03@count@«.

8.4.6 »Directory« folder

The »Directory« folder contains a list of users and user groups of the archive. The following information about users or user groups is listed in the columns:

• »Subject«: a unique code for the user or user group in the archive.

To ensure clarity, the users and user groups have their own icons.

- »First Name«: name of the user or user group.
- »Last name«: last name of the user or user group.
- »Description«: a short description of the user or user group.

File Home Share View					^	
in to Quick Copy Paste	rtcut Move Copy	Delete Rename	New folder	rccess • Properties Edit	Select all Select none	
Clipboard		anize	New	Open	Select	
← → × ↑ 🔠 > Archives > IMi	iS/ARChive > Director	у		~	ර Search IM උ	
Ouick access	Edit Add	Remove	Filter [User] 🔻			
Y Quick access	Subject	First name	Last name	Description		
le OneDrive	admin 🕈		Administrator	Archive administrator		
Windows10_PC	anelson 🕈	Alex	Nelson	Sales - Controlling		
	🤱 Anonymous	Anonymous		Sessions authenticated by legacy protocols		
💣 Network	acirwin 🙎	🤱 cirwin 🛛 Caroline		IT - System Administration		
👜 Archives	a eyoung	ayoung Elwyn Young Maintenance 🛛				
🔍 IMiS/ARChive [Configuration]	alayton 💈	Grace	Layton	ayton Controlling - Internal audits		
ᠹ Access control	🤱 jsmith	John	Smith	Human Resources		
🛋 Attributes	🤱 jsmith1	John	Smith	Manufacturing		
🗐 Audit log	🤱 jturner	Jerry	Turner	CEO		
E Codelists	🤱 kclay	Keira	Clay	IT - Human Resources assistan	ce	
•4 Counters	a mwelch	Marco	Welch	Sales		
a Directory	🤱 rjordan	Raul	Jordan	Maintenance		
🕙 Retention	🤱 rsalazar	Ron	Salazar	Sales - IT support		
🔮 Storage						
📄 Templates						

Image 272: List of users and user groups in the »Directory« folder

By choosing the »Filter« command in the upper command bar, the user with appropriate access rights can set the view content.

Filte	Filter [All] 🔻					
	All					
	User					
	Group					
	System					
	Disabled					
	Deleted					

Image 273: Selecting the filter in the »Directory« folder

The following groups are available in the filter:

- »All«: all users and user groups are shown on the user list.
- »User«: all active users are shown on the list.
- »Group«: all active user groups are shown on the list.
- »System«: all active system users and groups are shown on the list.

- »Disabled«: all inactive system users and groups are shown on the list.
 To activate the users and user groups again, the »Enabled« value in the »Properties« tab must be changed to »True«.
- »Deleted«: all deleted users and groups are shown on the list.
 Once the users and user groups are deleted, they cannot be activated again.

<u>»Properties« bar</u>

By clicking the individual entry on the list, the following value settings are displayed in the lower right view of the Windows Explorer.

- »Subject«: contains a unique user code his username. The user can access the archive using this username (and set password). It is required to define the field value for all new entries. It cannot be changed for the existing entries.
- »Type«: contains the user type. The user with appropriate access rights can choose between the »User« and »Group«. It is required to define the field value for all new entries. It cannot be changed for the existing entries.
- »Name«: contains the name of the user or first name of the user group.
- »Last name«: contains the last name of the user or the second name of the user group.
 It is required to define the field value for all new entries. It is possible to change the value of the existing entries; however, empty value is not permitted.
- »Description«: can contain a description of the user's position in the company.
- »Email«: contains the user's email address.
- »Aliases«: contains alternative usernames for the users to access the archive.
- »Security class level«: defines until which security class level the user can view the entities. The user can only view the entities if the security class of the entities is lower or the same as his clearance level.
- »Enabled«: if the selected value is »True«, the user is active. When changing the value to »False«, the user with appropriate access rights can deny access to the archive.
- »Member in groups«: contains a list of groups, in which the user is a member.

Properties	Effective roles	Roles Members
Save	Set passwor	rd
Subject		board
Туре		Group
First name	e	Board
Last name	2	Chairman and Members
Descriptio	n	The Chairman and the Members of the Board
Email		board@acme.com
Aliases		
Security c	lass level	Top Secret
Enabled		True
Member o	of groups	Users

Image 274: User group properties

The fields listed above are available for users as well as for user groups. The additional value settings are displayed for the users:

- »Log on Hours«: contains an expression representing hours of the day, when the user can access the archive.
- »Authentication«: the user with appropriate access rights can set the following authentication options:
 - »User name/password«: authentication is done using the SRP-6a protocol.
 - »User Credentials over http«: authentication is done using the HTTP protocol.
 - »Pre-shared key«: authentication is done using the shared pre-set key.
 - »Advanced«: authentication is done by establishing a session with the server that foresees mandatory and optional client metadata.

The values can be set to »True« or »False«.

Properties Effective ro	les Roles
Save Set pass	word
Subject	anelson
Туре	User
First name	Alex
Last name	Nelson
Description	Sales - Controlling
Email	alex.nelson@acme.com
Aliases	
Security class level	Restricted
Enabled	True
Member of groups	Controlling; Sales; sys:Everyone; Users
 Authentication 	User credentials, User credentials over HTTP
User credentials	True
User credentials ov	ver F True
Pre-shared key	False
Advanced	False

Authentication Directory entity authentication types.

Image 275: User properties

<u>»Effective roles« tab</u>

By clicking the »Effective roles« tab, the effective roles for the individual users or user groups appear in the lower right view of the Windows Explorer. The displayed roles are informative; therefore, they cannot be changed. They include the current roles, which can be replaced with explicit roles in the »Roles« tab by the user with appropriate access rights.

Properties Effective roles	Roles
Save	
✓ System	
AuditLogQuery	True
ImportExport	True
Reports	True
Review	True
Configuration	
AccessControlRead	True
AccessControlUpdate	True
AuditLogSettingsRead	True
AuditLogSettingsUpdate	True
DirectoryEntitiesRead	True
DirectoryEntityUpdate	True
DirectoryGroupRead	True
DirectoryGroupUpdate	True

Image 276: Effective roles of the user

<u>»Roles« tab</u>

By clicking the »Roles« tab in the lower right view of the Windows Explorer, the user with appropriate access rights can define the following system roles for the users or user groups:

- AuditLogQuery
- ImportExport
- Reports
- Review.

The user can set effective roles for server configuration in the »Configuration« section. They define rights for accessing and changing entries in the individual configuration folders.

Save	
ystem	
ıditLogQuery	True
portExport	True
ports	True
view	True
onfiguration	
cessControlRead	True
essControlUpdate	True
tributesRead	False
tributeUpdate	False
ıditLogSettingsRead	True
ıditLogSettingsUpdate	True
delistsRead	False
delistUpdate	False
ountersRead	False
unterUpdate	False
ctoryEntitiesRead	True
ectoryEntityUpdate	True
rectoryGroupRead	True
rectoryGroupUpdate	True
filesRead	False
ofileUpdate	False
entionRead	False
entionUpdate	False
nplatesRead	False
nplateUpdate	False
umesRead	False
umeUpdate	False

Reports Specifies whether Reports role is enabled

Image 277: Explicit roles for the user

Users can access and change the following configuration folders in the »Configuration« folder:

- Access Control
- Attributes
- Codelists
- Counters
- Directory
- Profiles
- Templates
- Volumes.

The user with appropriate access rights can set the role or right of reading and changing values in the configuration folder. The rights are set by selecting »True« or »False« for each right.

<u>Warning</u>: After changing the roles, the current user roles are valid for the entire duration of his session or until the user logs into the archive again.

<u>»Members« tab</u>

The »Members« tab is visible only to user groups. By clicking the »Members« tab in the bottom right view of Windows Explorer, the user with appropriate access rights is shown all the members of the user group.

Save	Edit	Add Remove
Layton	, Grace	glayton
Turner,	, Jerry	jturner
 Welch, 	Marco	mwelch

Image 1: Displaying of users in a group

A user can add group members with the »Add« command or remove them with the »Remove« command.

8.4.7 »Retention« folder

The »Retention« folder contains the »Retention policies« and the »Disposition holds« subfolders.

8.4.7.1 »Retention policies«

The »Retention policies« subfolder contains a list of retention policies. The retention policies list shows the following information on retention policies in columns:

- »Name«: the unique name of the retention policy.
- »Description«: short description of the retention policy.
- »Action«: the default action in the implementation phase of the review process.
- »Reason«: the default reason for the existence of the retention policy which is used in the decision-making phase of the review process.

l 🕗 📕 = l Retention policies						-	o ×
File Home Share View							~ 🕐
	Move Conv Delete Pename	New item *	Properties	Select all Select none			
Clipboard	Organize	New	Open	Select			
$\leftarrow \rightarrow \checkmark \uparrow \mbox{\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	iS/ARChive > Retention > Retention po	licies				ע טֿ Searc	:h IM ,Р
	Edit Add Remove						
📌 Quick access	Name Description				Action	Reason	
a OneDrive		l importance which need to	be permanently archived	by National Archives		Material of National significance transferred to Nation	al Archives
- We down10 DC			Permanent				
	Windows10_PC Permanent Records which need to be kept permanently by this Archive 10 Years Records must be kept 10 years from the end of the year when they were closed		Dispose	Dispose after 10 years of retention			
Network S Years Records must be kept 5 years from the end of the year when the		rear when they were close	d	Dispose	Dispose after 5 years of retention		
🎪 Archives				Dispose	Dispose after 3 years of retention		
🌼 IMiS/ARChive [Configuration]	4 2 Years Records must be kept 2	years from the end of the	ear when they were close	d	Dispose	Dispose after 2 years of retention	
Access control							
Attributes							
Audit log							
Codelists							
•d Counters							
a Directory							
🔁 Retention							
樶 Disposition holds							
Retention policies							
🔄 Storage							
📃 Templates							
9 items							::: .

Image 278: List of retention policies in the »Retention policies« folder

»Properties« tab

By clicking on an individual retention policy on the list, the following value settings appear in the bottom right view of Windows Explorer, under the »Properties« tab:

- »Name«: the unique name of the retention policy. The field value must be entered for new entries before saving. The value can be modified after saving, but it must not be empty.
- »Description«: short description of the retention policy.
- »Detailed description«: a detailed description of the retention policy.
- »Action«: the default action from the list of actions for entities which are available in the implementation phase of the review process.
- »Trigger«: a query which executes the search for entities in the implementation phase of the review process.
- »Reason«: the default reason for actions to be implemented in the implementation phase of the review process.

Save	
Name	10 Years
Description	Records must be kept 10 years from the end of the year when they were closed
Detailed description	
Action	Dispose
Trigger	[sys:Closed] + 10Y < @YEAR@-01-01T00:00:00+00:00
Reason	Dispose after 10 years of retention

Image 279: Display of retention policy properties

<u>»Mandates« tab</u>

By clicking on an individual retention policy on the list, the contents (files) of mandates for an individual retention policy appear in the bottom right view of Windows Explorer, under the »Mandates« tab.

Save Open Ado	🔹 Remove		
Description		Inserted	Modified
Company policy		20. 10. 2016 10:09:06	20. 10. 2016 10:09:06
Retention law		20. 10. 2016 10:09:06	20. 10. 2016 10:09:06

Image 280: Display of retention policy mandates

In the bottom command bar, under the »Mandates« tab, the following commands are located:

- »Add«: allows you to add mandate content to the selected retention policy. The source can either be existing files in the file system or files scanned using the separate IMiS[®]/Scan application. The command is available when the selected retention policy is open in editing mode.
- »Save«: becomes active when the mandates for the selected retention policy are modified, if the policy is open in editing mode (when content is added or deleted).
 The »Save« command saves changes to the archive. Unsaved changes will be discarded.
- »Open«: opens the selected file in the application associated with the content type, as it was specified when the content was saved to the archive.
 The command is available when the selected retention policy is open in editing mode.

Note: The selected content can be opened by a user even if it has not been saved yet.

• »Remove«: allows you to remove content from the selected retention policy.

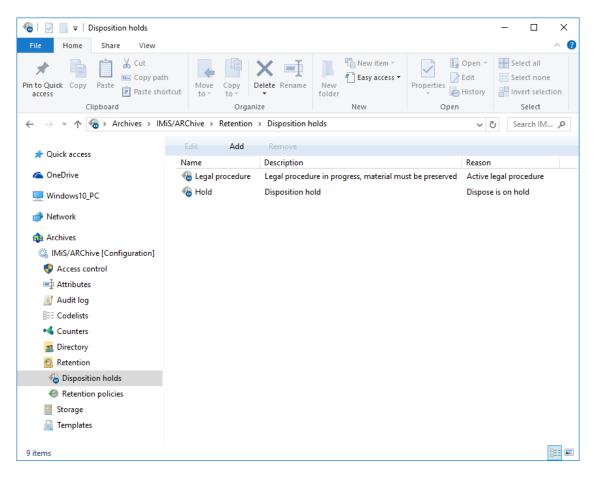
The command is available when the selected retention policy is open in editing mode.

8.4.7.2 »Disposition holds«

The »Disposition holds« folder contains a list of disposition holds.

The disposition holds list shows the following information on retention policies in columns:

- »Name«: the unique name of disposition holds.
- »Description«: short description of disposition holds.
- »Reason«: the default reason for the existence of disposition holds to be implemented in the implementation phase of the review process.





»Properties« tab

By clicking on an individual disposition hold on the list, the following value settings appear in the bottom right view of Windows Explorer, under the »Properties« tab:

- »Name«: the unique name of the disposition hold. The field value must be entered for new entries before saving. The value can be modified after saving, but it must not be empty.
- »Description«: short description of the disposition hold.
- »Reason«: the default reason for the disposition hold in the implementation phase of the review process.
- »Author«: user (author) of the disposition hold.
- »Created«: the date and time when the disposition hold was created.

Save		
Name	Hold	
Description	Disposition hold	
Reason	Dispose is on hold	
Author	admin	
Created	20. 10. 2016 08:13:32	

Image 282: Display of disposition hold mandates

8.4.8 »Storage« folder

The »Storage« folder contains the »Profiles« and »Volumes« subfolders.

8.4.8.1 »Profiles« subfolder

The »Profiles« subfolder contains a list of profiles. The following profile information is listed in the columns:

- »Name«: contains the unique profile name.
- »Description«: contains a short description of the profile.
- »Object count«: shows the number of archived objects in the individual profiles.
- »Used [bytes]«: shows the size of used space and the percentage of used space for the individual profiles in kilobytes (KB).
- »Size [bytes]«: shows the size of free space for the individual profiles in kilobytes (KB).
- »Read only«: if the selected value is »True«, settings can not be changed. When changing the value to »False«, the user with appropriate access rights can change the settings.

🗐 💟 📑 🖛 Profiles						-	- 🗆	×
File Home Share View								^ ?
Pin to Quick access Copy Paste With the paste	Maya Cany	Delete Rename		ew item 🔻	Properties E	dit 🚦	Select all Select non Invert selec	
Clipboard	Orga		New	v	Open		Select	
\leftarrow \rightarrow \checkmark \uparrow 🗐 \diamond Archives \diamond IM	liS/ARChive > Storage	> Profiles				~ ē	Search St.	. , р
Quick access	Edit Add	Remove						
	Name D	escription 0	bject count	Used		Size		
and ConeDrive	纄 Dokumenti	8	693	2.907.804 k	(B [17,33%]	16.777.21	16 KB	
windows10_PC								
🚔 Network								
Archives								
🏩 IMiS/ARChive [Configuration]								
Secontrol								
■↓ Attributes								
🧾 Audit log								
EE Codelists								
 Counters 								
2 Directory								
🔁 Retention								
Storage								
Profiles								
Solumes								
🚊 Templates								
2 items 1 item selected								

Image 283: Attribute list in the »Profiles« folder

<u>»Properties« tab</u>

By clicking the individual profile on the list, the user with appropriate access rights can see the following profile properties in the »Properties« tab in the lower right view of the Windows Explorer:

- »Name«: represents the unique profile name. Specifying the field value is mandatory for new entries. It cannot be changed for the existing entries.
- »Description«: represents a short description of the profile.
- »Object count«: shows the number of archived objects in the profiles.
- »Used [bytes]«: shows the size of used space for the profile in bytes.
- »Size [bytes]«: shows the size of free space for the profile in bytes.
- »Read only«: if the selected value is »True«, new objects cannot be created into the profile and the existing objects can only be read. The user with appropriate access rights can select this value to prevent changes of the profile content.

Save		
Name	Dokumenti	
Description		
Object count	8693	
Used [bytes]	2977591296	
Size [bytes]	17179869184	
Read only	False	

Image 284: Profile properties

<u>»Volumes« tab</u>

In the »Volumes« tab the user with appropriate access rights can view the attribute values, which are tied to the profile in the lower right view of the Windows Explorer; however, he cannot change the values. The »Volumes« tab content is the same as the content of the »Properties« tab in the »Volumes« configuration subfolder.

Save		
 Volume 	vol00	
Name	vol00	
Description		
Location	/iarc/vol/vol00	
Profile	Dokumenti	
Object count	8693	
Used [bytes]	2977587200	
Size [bytes]	8589934592	
Read only	False	
Mounted	True	
Volume	vol01	

Image 285: Volumes, which are tied to the profile

<u>»Use under« tab</u>

In the »Used by« tab the user with appropriate access rights can set in the lower right view of the Windows Explorer under which class the selected profile is used. If the value is not set, the profile is used under the root class.

Properties Vol	mes Used by
Save	Add Remove
Class	Root [ClassificationCode]



The user with appropriate access rights can add a new class by selecting the »Add« command in the command bar and by setting the class identifier accordingly. When the identifier value is not set, the profile is used on the level of the archive. Otherwise the profile is used only under the selected class. The user can enter either the classification code, the internal or external class identifier. The new class is saved by choosing the »Save« command.

The class is removed by choosing the »Remove command«.

Save A	Add Remove	
Class	Root [ClassificationCode]	
Туре	ClassificationCode	
Value		

Image 287: Entering the class for profile

<u>Warning</u>: It is required to restart the IMiS[®]/ARChive Server in order to effect changes of the value settings in the »Storage« folder.

8.4.8.2 »Volumes« subfolder

In the »Volumes« subfolder the user with appropriate access rights can view the attribute values, which are tied to the profile in the lower right view of the Windows Explorer. The »Properties« tab content is the same as the content of the »Volumes« tab in the »Properties« configuration subfolder.

💶 🛃 🚽 Volumes						-		×
File Home Share View	Mova	Copy Delete Rename Ne	New item *	Properties	Qpen ▼ ZEdit	Select	none	^
access Clipboard	rtcut to -	to 👻 🔹 fold Organize		Op	🔗 History en	Sele		
\leftarrow \rightarrow \checkmark \uparrow \blacksquare \rightarrow Archives \Rightarrow IM	iS/ARChive →	Storage > Volumes				√ Ū	Search St	Q
	Edit	Add Remove						
📌 Quick access	Name	Description	Location	Object count	Used		Size	
🗥 OneDrive	 vol00	IMiS/ARChive Server Volume 00	/iarc/vol/vol00	8693	2.907.800	KB [34,66%]	8.388.608	КΒ
Windows10_PC	🕳 vol01	IMiS/ARChive Server Volume 01	/iarc/vol/vol01	0	4 KB [0,00	%]	8.388.608	КΒ
 Network Archives IMiS/ARChive [Configuration] Access control Attributes Audit log Codelists Counters 								
2 Directory								
> 💁 Retention 🗸 📑 Storage								
Storage Profiles								
Volumes								
Templates								
2 items 1 item selected								

Image 288: Volumes, which are tied to the profile

»Properties« tab

By clicking the individual volume on the list, the following value settings are shown in the »Properties« tab in lower right view of the Windows Explorer.

- »Name«: contains the unique volume name. After the value has been saved for the first time, it becomes immutable.
- »Description«: contains a short description of the volume.
- »Location«: contains logical path to the volume in the file system. After the value has been saved for the first time, it becomes immutable.
 »Profiles«: contains a link to the profile, in which the volumes are situated.
 For a new entry the user has to choose the profile name that he wants to link to the volume in the »Name« field. In the »Used after« field the user has to set the position in the queue of profile volumes. By selecting »First«, the profile is placed at the beginning of the queue. Alternatively, the user can select the existing volume name, after which the volume should be placed. When there are no objects on the volume, the profile name and position can be changed. Otherwise, the values become immutable after they are saved for the first time.

- »Object count«: shows the number of archived objects on the volume.
- »Used [bytes]«: shows the size of used space on the volumes in bytes.
- »Size [bytes]«: shows the size of free space on the volumes in bytes. The user with appropriate access rights can grant the volume more space by entering a new value or by increasing the value with 1024 byte increments. When the user wants to prevent further archiving of objects into the volume, he must set the size of available space to be the same as the value of the »Used« attribute.
- »Read only«: changing the default values from »False« to »True« can also prevent saving of objects into the volume.
- »Mounted«: by changing the default value from »True« to »False«, the volume is marked as unavailable for use.

Save	
Name	vol00
Description	IMiS/ARChive Server Volume 00
Location	/iarc/vol/vol00
Profile	Dokumenti
Object count	8693
Used [bytes]	2977587200
Size [bytes]	8589934592
Read only	False
Mounted	True



<u>Warning</u>: The user with appropriate access rights can increase or decrease available space of the volume in bytes. When the »Size« attribute level is the same or smaller than the »Used« attribute level, the volume cannot be accessed.

<u>Warning</u>: It is required to restart the IMiS[®]/ARChive Server in order to effect changes of the value settings in the »Volumes« subfolder.

8.4.9 »Templates« folder

The »Templates« folder contains a list of templates. The following profile information is listed in the templates list:

- »Name«: unique template name. To ensure clarity, individual template types have their own icons.
- »Description«: a short description of the template.
- »Inherited from«: a list of templates, from which the template is inherited.

🚊 🛃 🔚 🖛 Templates			– 🗆	×
File Home Share View				^ ?
Pin to Quick access Copy Paste Cipboard Clipboard	rtcut to v to v Organize	e Rename New Tolder New	Properties History Open Select all	tion
$\leftarrow \rightarrow \checkmark \uparrow \square$ > Archives > IMi	iS/ARChive → Templates		✓ Ö Search IN	n ,p
🖈 Quick access	Edit Add F	Remove Filter [User defined]	Inherited from	
🝊 OneDrive	Case	Folder/Case entity	Generic Folder	
💻 Windows10_PC	🐂 Class	Class entity	Generic Class	
Network	🗐 Document 📕 Email	Standalone document entity Standalone e-mail entity	Generic Autonomous Doc Generic Autonomous Ema	
🏨 Archives	FiledDocument	Document filed into a folder/case e		
IMiS/ARChive [Configuration]	FiledEmail	E-mail filed into a folder/case entity	Generic Email	
🌳 Access control				
➡ Attributes				
🧾 Audit log				
EEE Codelists				
•4 Counters				
🙍 Directory				
💁 Retention				
📑 Storage				
🚊 Templates				
9 items				

Image 290: Attribute list in the »Templates« folder

By choosing the »Filter« command in the upper command bar, the user with appropriate access rights can set the view content.



Image 291: Selecting the filter in the »Templates« configuration folder

The user can choose between the following options:

- »All«: all templates are shown on the list.
- »User defined«: only user-defined templates are shown on the list.
- »System«: only system templates are shown on the list.

The user-defined templates can only be set by the user with appropriate access rights.

Based on these templates, the users create new entities according to the settings.

<u>»Properties« tab</u>

By clicking the individual template on the list, the following value settings are shown in the »Properties« tab in the lower right view of the Windows Explorer:

- »Name«: unique template name. After the value has been saved for the first time, it becomes immutable.
- »Type«: the user with appropriate access rights can choose between the following values: Class, Folder, Document. After the value has been saved for the first time, it becomes immutable.
- »Description«: a short description of the template.
- »Inherited from«: the user with appropriate access rights can define from which template the created template is inherited. The latter takes over all attributes from the inherited template. After the value has been saved for the first time, it becomes immutable.
- »Entity count«: number of entities, in which the template is used.

	Use under
Save	
Name	Case
Туре	Folder
Description	Folder/Case entity
Inherited from	Generic Folder
Entity count	864

Image 292: Template properties

<u>»Attributes« tab</u>

All attributes tied to the template, including their properties are listed in the »Attributes« tab in the lower right view of the Windows Explorer.

The attributes are shown in two groups, in the system group and in the custom group. There are different types of attributes, depending on whether they are inherited and therefore especially marked or not. Only attributes that have not been inherited can be edited. The following properties of the attribute that have not been inherited can be edited:

- »Public«: if the selected value is »True«, the attribute is accessible for all users regardless of their rights.
- »MultiValue«: if the selected value is »True«, the attribute can have multiple values.
- »Required«: if the selected value is »True«, the attribute value is mandatory.
- »Read only«: if the selected value is »True«, the attribute value cannot be changed.
- »Inherited«: if the selected value is »True«, the attribute values are inherited from the parent hierarchy.
- »AppendOnly«: if the selected value is »True«, the attribute value can only be added to the existing values.
- »IncludedInAIP«: if the selected value is »True«, the attribute values are part of the archival information package.
- »Validation Expression«: specifies the value that represents the regular expression used to check the new or changed attribute values. Further information about the syntax and rules: <u>http://en.wikipedia.org/wiki/Regular expression</u>.

Properties Attributes Us	e under	
Save Add	Remove	
✓ System		/
sys:Externallds	Public, MultiValue, NonEmpty [Defined in parent template]	
sys:Title	Public, Required, NonEmpty [Defined in parent template]	
sys:Description	Public [Defined in parent template]	
sys:Keywords	Public, MultiValue, NonEmpty [Defined in parent template]	
sys:Creator	Public, Required, NonEmpty, ReadOnly [Defined in parent template]	
sys:Owner	Public, NonEmpty [Defined in parent template]	
sys:Significance	Public, NonEmpty, Inherited [Defined in parent template]	
sys:CommitLog	MultiValue, ReadOnly, AppendOnly, IncludedInAIP [Defined in parent template]	
sys:SecurityClass	Public, NonEmpty, ReadOnly, Inherited [Defined in parent template]	
sys:move:Reason	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:move:Agent	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:move:DateTime	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:move:Classification	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:scc:Reason	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:scc:Agent	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:scc:DateTime	MultiValue, NonEmpty, ReadOnly, AppendOnly [Defined in parent template]	
sys:scc:From	MultiValue, ReadOnly, AppendOnly [Defined in parent template]	

Image 293: List of attributes used in the template

<u>Warning</u>: The user with appropriate access rights can only add user-defined attributes. System attributes are inherited from the template, which can be set in the »Properties« tab.

<u>»Use under« tab</u>

In the »Use under« tab in the lower right view of the Windows Explorer, templates and entities, in which a certain template is used are listed.

Save Add 🔻	Remove	
[emplate	Class	
emplate	Case	

Image 294: Templates and entities, where the template is used

The user with appropriate access rights can add a new template or entity by selecting the »Add« command in the command bar and by choosing the »Template« or »Entity« command. When adding a template, the user has to select the desired template from the generic system and user defined templates. The new template or entity is saved by choosing the »Save« command.

When adding the entity, the user has to set the entity identifier accordingly. When the identifier value is not set, the template is used on the level of the archive. Otherwise the template is used only under the selected entity. The user can enter either the classification code, the internal or external entity identifier.

The template or entity is removed by choosing and using the »Remove« command.

9 TROUBLESHOOTING

Users of the IMiS[®]/Client must know how to handle the product correctly and are advised to follow instructions provided by documentation. If you encounter issues or errors, it is important to follow proper procedures. The first thing that is advised is to contact the IT expert or system administrator of your company.

Administrators are advised to troubleshoot errors with the help of the appropriate manual. If you cannot discover the cause of the issue or find the appropriate fix, feel free to contact IMiS[®] software support and we'll be glad to offer assistance. Be advised that a layperson's interference can make things worse and further destabilize the system.

9.1 How to avoid problems

Regular updating of the IMiS[®]/Client is essential to keep issues at a minimum. Every new version of IMiS[®] software fixes known bugs and errors.

If you want to make sure things run smoothly, a highly recommended choice is our optional maintenance contract. A valid maintenance contract will protect you from serious errors or system outage. Several kinds of maintenance contracts are available:

- Primary, where the developer takes over the complete process of system maintenance.
- Secondary, where the developer fixes serious or less frequent errors, while users and their IT service perform regular maintenance and troubleshooting.

Maintenance contracts can be tailored to the specific needs of IMiS[®] software users. Ask for a deal and we'll be happy to assist you.

9.2 Frequent errors

This chapter describes errors that may be frequently encountered while using the IMiS[®]/Client. Each error is paired with the possible reasons and the steps that should allow you to fix it.

Error when accessing an archive

<u>Likely cause</u>: There was an error in establishing a connection with the IMiS[®]/ARChive Server, which can be due to:

- Wrong IP address.
- Invalid network port.
- Firewall on the client, or on the network between the client and the server, that prevents communication between the client and the server.

<u>Solution</u>: First, check the validity of the IP address and the network port. If that's not the cause, check if communication between the client and the server is open, and reconfigure any firewalls as necessary.

Error during user login (»Authentication was unsuccessful«)

<u>Likely cause</u>: Unregistered or invalid username, or wrong password.

<u>Solution</u>: Double check if the username and password are correct (characters are case sensitive, check for unwanted spaces ...etc.).

If you believe the username and password are correct, please verify if the user is registered on the IMiS[®]/ARChive Server with these exact characters.

Error when saving a new folder (»New folder cannot be saved on archive.«)

<u>Likely cause 1</u>: You are trying to create a folder on a sub-level that is too deep in the classification scheme. When a new folder is saved, a classification code will automatically be created, and the IMiS[®]/ARChive Server code generator only supports numbers up to a certain sub-level of the classification scheme.

Solution 1: Try to save the folder to a higher sub-level of the classification scheme.

<u>Likely cause 2</u>: The folder's required metadata has not been entered. When saving a new folder, the IMiS[®]/ARChive Server will return an error stating that required metadata is missing. A description appears in the expanded error window.

Solution 2: Complete all the required metadata fields for the folder.

Error when saving a new document (»New document cannot be saved on archive.«)

<u>Likely cause</u>: The document's required metadata has not been entered. When saving a new document, the IMiS[®]/ARChive Server will return an error stating that required metadata is missing. A description appears in the expanded error window.

Solution: Complete all the required metadata fields for the document.

Error when editing an existing entity (»[Class, Folder, Document] <classification code> cannot be saved on archive.«)

<u>Likely cause</u>: The entity's required metadata has not been entered correctly, or has been removed. When saving an edited entity, the IMiS[®]/ARChive Server will return an error stating that required metadata is missing. A description appears in the expanded error window.

Solution: Complete all the required metadata fields for the entity.

Error when trying to edit a closed entity (»Closed [class, folder, document] <classification code> cannot be edited.«)

Likely cause: The entity's status is »Closed«. A closed entity cannot be edited.

<u>Solution</u>: Verify if the closed entity should indeed be edited. If yes, change the status of the entity into »Opened« using the »Change status« action, and then reopen the entity.

Error when opening an entity in editing mode (»[Class, Folder, Document] <classification code> cannot be edited.«)

<u>Likely cause</u>: The entity is already open in editing mode on another computer.

<u>Solution</u>: Wait until the other user finishes editing and then open the entity once again.

Error when opening an entity in reading mode (»[Class, Folder, Document] <classification code> cannot be opened.«)

See »Error when accessing an archive«, listed above

Error when opening an entity in editing mode. User does not have sufficient rights. (»[Class, Folder, Document] <classification code> cannot be edited. User has insufficient rights to edit entity.«)

<u>Likely cause</u>: The user wants to edit an entity they are not allowed to edit.

Solution: A user with sufficient rights grants the current user rights to edit the entity.

Error when opening an entity in reading mode. User does not have sufficient rights. (»[Class, Folder, Document] <classification code> cannot be opened. User has insufficient rights to open entity.«)

<u>Likely cause</u>: The user wants to open an entity they are not allowed to open.

Solution: A user with sufficient rights grants the current user rights to open the entity.

Cannot delete folder/class. (»[Class, Folder] <classification code> cannot be deleted on archive.«)

<u>Likely cause</u>: The class or folder still contains entities and therefore can't be deleted.

<u>Solution</u>: Every entity inside the class or folder you wish to delete must be deleted individually. When the class or folder is empty, you can delete it.

Cannot delete entity. User does not have sufficient rights. (»[Class, Folder, Document] <classification code> cannot be deleted on archive. User has insufficient rights to open entity.«)

<u>Likely cause</u>: The user does not have permission to delete the entity.

Solution: A user with sufficient rights grants the current user rights to delete the entity.

Cannot delete entity. Entity is closed. (»Closed [class, folder, document] <classification code> cannot be deleted.«)

Likely cause: The entity's status is »Closed«. Closed entities cannot be deleted.

<u>Solution</u>: Verify if the closed entity should indeed be deleted. If yes, change the status of the entity into »Opened« using the »Change status« action, and then delete the entity.

9.3 Less frequent errors

Error when closing an entity. (»[Class, Folder, document] <classification code> cannot be set in preview state.«)

<u>Likely cause</u>: An entity was open in reading or editing mode. When the user finished working on the entity, user selected another entity. This resulted in the IMiS[®]/Client's automatic attempt to close the previous entity, which it was unable to do. The error's cause is probably a failure to access the archive. *(see section »Error when accessing an archive«)*.

Solution: See section »Error when accessing an archive«.

Error when reading entity metadata. (»Error while retrieving entity property.«)

<u>Error description</u>: When saving, opening or closing an entity, metadata was not successfully retrieved by the client.

<u>Likely cause</u>: Type of the entity's metadata is different from the type expected by the IMiS[®]/Client.

<u>Possible solution</u>: Make sure the currently installed version of the IMiS[®]/Client is compatible with the currently installed version of the IMiS[®]/Archive Server.

Error when opening content files in editing mode. (»File <content description> is already open in another application. Close the other application and try again.«) Likely cause: The user is trying to open the content of an entity which is already open in another application.

<u>Solution</u>: Close the application where the content is already open, then try to reopen the content.

Error when capturing content with the scanner. (»Attachment cannot be added from scanner.«)

Error description: An error occurred during communication with the virtual scanner.

<u>Likely cause 1</u>: The IMiS[®]/Scan application is not installed on the computer, or is not compatible with the current version of the IMiS[®]/Client.

<u>Solution 1</u>: Contact the administrator and get the IMiS[®]/Scan application to work on the computer.

<u>Likely cause 2</u>: After a scanned document was saved by the IMiS[®]/Scan application, the IMiS[®]/Client was unable to open it.

Solution 2: Contact IMiS® support at the following email address: <u>support@imis.eu</u>.

<u>Likely cause 3</u>: An error occurred during the transfer of the scanned document to the IMiS[®]/ARChive Server. *See section »Error when accessing an archive«*.

Solution 3: See section »Error when accessing an archive«.

Error when scanning the content files of a document. (»File <file path> cannot be attached to content.«)

Error description: An error can sometimes occur while adding files from the file system.

<u>Likely cause 1</u>: The file you are trying to add does not exist in the file system, or the name or path of the file is wrong.

<u>Solution 1</u>: Make sure the path and the file name and format are correct.

<u>Likely cause 2</u>: The MIME type of content files cannot be recognized by the IMiS[®]/Client or the IMiS[®]/ARChive Server.

<u>Solution 2</u>: Try to convert the file to another format, change the extension of the file manually, or contact IMiS[®] support at: <u>support@imis.eu</u>.

Error when moving an entity. (»[Class, Folder, document] <classification code> cannot be moved.«)

Error description: An error occurred while trying to move the entity.

<u>Likely cause 1</u>: The user does not have sufficient rights to move the entity. <u>Solution 1</u>: A user with sufficient rights grants the current user rights to move the entity.

<u>Likely cause 2</u>: The user does not have a »move« permission on the server.

<u>Solution 2</u>: An IMiS[®]/ARChive Server user with sufficient rights grants the current user a »move« permission on the server.