



Imaging Systems Inc. Brnciceva 41 G Ljubljana Slovenia

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1 PREFACE

This manual describes the operation of the IMiS[®]/wClient software product and offers advice on the technical and operational aspects of its use.

1.1 About the manual

The manual presents the web 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[®]/wClient.

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			
AFM	Adobe Font Metrics (extension ».afm«)			
AIP	Archival Information Package			
ANPA	American Newspaper Publishers Association news feed format			
АТОМ	Atom Syndication Format			
BMP	Bitmap image file format (Windows format – extension ».bmp«)			
CAD	Computer Aided Design			
СНМ	CHM Help format (extension ».chm«)			
CPIO	cpio file archiver and format (Unix format – extension ».cpio«)			
CSV	Comma Separated Value (text file format– extension ».csv«)			
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«)			
EXIF	Exchangeable image file format (image metadata format)			
FB2	FixtionBook format (electronic book format – extension ».fb2«)			
FLV	Flash Video file format (Adobe video format – extension ».flv«)			
GB	Gigabyte (information unit of 2^30 or roughly 10^9 bytes)			
GHz	Gigahertz (frequency unit of 10^9 hertz)			
GIF	Graphics Interchange Format (image format – extension ».gif«)			
HDF	Hierarchical Data Format			
HTML	HyperText Markup Language			
ID	Identifier			
IPTC	International Press Telecommunications Council News Feed Format			
IPv4	Internet Protocol version 4			
IPv6	Internet Protocol version 6			
JPEG	Joint Photographic Experts Group format (extension ».jpg«)			
LDAP	Lightweight Directory Access Protocol (Internet protocol for accessing directory)			
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Abbreviation	Description		
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	Portable Document Format for archiving electronic 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 (public key encryption algorithm)		
RSS	Rich Site Summary / Really Simple Syndication		
RTF	Rich Text Format		
S/MIME	Secure Multipurpose Internet Mail Extensions (secure MIME)		
SDRAM	Synchronous Dynamic Random-access Memory		
SHA	Secure Hash Algorithm (digital fingerprint algorithm)		
SRP-6A	Secure Remote Password revision 6A (an encryption protocol for secure user authentication)		
SSL	Secure Socket Layer (collection of cryptographic protocols)		
SSO	Single Sign-on (user authentication in independent systems)		
TAR	Tape Archive (Unix compression format – extension ».tar«)		
TCP/IP	Transmission Control Protocol / Internet Protocol (family of network protocols)		

Abbreviation	Description			
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)			
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)			
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 on the IMiS®/ARChive Server, which can store various kinds of digital content (e.g. text, images, video). Documents are usually located inside folders, but they can also be in a class of their own.				
Entity	The entity is a container of data and content on the IMiS®/ARChive Server. There are three types of entity: class, folder, and document.				
Folder	Folder - a group of entities (contained folders, documents), which round off the content. It represents a dossier of the folder in question (content-related question, topic, task, project, etc.) with all of the corresponding properties and contents.				
	For more information see chapter Entity types in the IMiS®/ARChive Server Manual.				
IMiS [®] /ARChive Server	IMiS®/ARChive Storage Server				
	(archive server for document storage)				
IMiS®/Scan	IMiS®/Scan client				
	(IMiS® application for scanning paper documents)				

IMiS®/Storage Connector	IMiS®/Storage Connector interface (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 system attributes.
Unix	A family of computer operating systems that are based on the original Unix OS developed by Bell Labs.
Windows	Microsoft operating system.

Table 3: List of terms used in the manual

2 INTRODUCTION

2.1 Features

IMiS[®]/wClient is web client 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.

Users access the content from any web browser via the web client $\rm IMiS^{\tiny (B)}/wClient.$

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. 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 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[®]/wClient 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 Versioning and numbering

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

IMiS.wClient.MAJOR.MINOR.RELEASE.BUILD.zip

The example of installation package name:

IMiS.wClient.1.2.1810.2.zip

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

2.3 Functionalities

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

- Access to any of IMiS[®]/ARChive Servers from any web browser.
- Secured communication with the IMiS[®]/ARChive Server via SSL/TLS protocol.
- Secure user authentication (SRP-6A, LDAP).
- Simple user authentication via Single Sign-on (SSO) mode.
- Access to the records according to a predetermined classification scheme.
- Editing of access permissions for entities, attributes of directory entity type and metadata.
- Entry and management of the records metadata according to a predetermined attribute scheme.
- Content management (capturing, viewing data, saving, previewing, downloading, updating, copying, moving, deleting, tagging for later indexing or conversion).
- Document versioning.
- 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.
- Sorting of entities according to the values of the categorized attributes (categorized views).
- Establishing of connections between different entities (references).
- Management of retention policies and disposition holds for the records.
- Support for IPv4 and IPv6 network communication systems.

3 TECHNICAL DOCUMENTATION

3.1 Client architecture

IMiS[®]/wClient is the user component of an electronic and physical records management system. The client connects to the web service IMiS[®]/Storage Connector Services REST, which represents the service level of the interface of the IMiS[®]/Storage Connector. The latter can be connected to many IMiS[®]/ARChive Servers.





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.

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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
ltem 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 xmlns="">
 <abstract />
 <classification>
 <classification>
 <classification_code>08</classification_code>
 <classification_code>08</fully_qualified_classification_code>
 <classification>
 <classific

Image 2: 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]_audit_n.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 (chapter <u>List of XML</u> 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 class_1_audit.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«.

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

/<entity_type>

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/<entity_type>/Description/abstract/description

	Required:	NO		Number:		1					
Definition:	Entity description										
Use:	Class: YES	Class: YESFolder: YESSub-File: YESRecord: NO									
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:	ce: sys:Description		iption MOREQ2 c		M047				
type:											

/<entity_type>/Description/abstract/keyword

	Required:	NO		Number:		Multiple						
Definition:	Keyword	Keyword										
Use:	Class: YES	Folder: YESSub-File:YESRecord:YES										
Commentary:	Optional keyw	Optional keywords that define the entity. This attribute has no influence on the										
	business logic	of the serve	er during op	perations wi	th entiti	es and is m	ierely an					
	information carrier.											
XMLSchema type:	String R	eference:	sys:Keyw	ords	MORE	Q2 code:	M004					

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

	Required:	YES	YES		Number:						
Definition:	Own classification code										
Use:	Class: YES	Folder:	Folder: YESSub-File:YESRecord:								
Commentary:	The own class	The own classification code is unique among all entities that are subordinate									
	(child) to the s	ame entity.									
XMLSchema	String	Reference:	ce: Classification code		MOREQ2 code:		M011				
type:											

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

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

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/<entity_type>/Description/copy_recipient/e_mail_address

	Required:	YES		Number:		Multiple						
Definition:	Mail address of	Mail address of email copy recipient										
Use:	Class: NOFolder: NOSub-File:NORecord:YES											
Commentary:	Values represer	Values represent valid email addresses of email copy recipients. They are										
	forwarded by th	forwarded by the messaging client, which usually acquires them from the										
	message itself, t	though the p	recision of	the information	on deper	nds on the c	lient.					
	Values represer	nt the values	of attribut	es »cc« of the	messag	ge according	to RFC					
	2822 specification.											
XMLSchema type:	String R	eference:	sys:eml:T	oCC	MORE	Q2 code:	M185					

/<entity_type>/Description/copy_recipient/name

	Required:	YES		Number:		Multiple					
Definition:	Name of email copy recipient										
Use:	Class: NO										
Commentary:	messaging c the precisior	esent names of Ilient, which usu n of the informa ributes »cc« of	ually acquire ation depend	s them from s on the clier	the mes nt. Value	sage itself, t s represent	hough the				
XMLSchema type:	String I	Reference:	sys:eml:To	CC	MORE	Q2 code:	M067				

/<entity_type>/Description/date

	Required:	NO		Number:		1						
Definition:	Message dat	Message date										
Use:	Class: NO	Class: NO Folder: NO Sub-File:NO Record:YES										
Commentary:	The metadat	The metadata is acquired from the message itself or entered when adding the										
	message to t	the document s	ystem. It is	used only in	case of e	email messag	jes and					
	is filled out with the »sent« date.											
XMLSchema type:	DateTime	Reference:	sys:eml:Da	ate	MORE	Q2 code:	M065					

/<entity_type>/Description/external_identifier/external_system_reference

	Required:	NO		Number:		1						
Definition:	Unique message	Unique message identifier										
Use:	Class: NOFolder: NOSub-File:NORecord:YES											
Commentary:	This value repres	This value represents the unique external identifier of the email message,										
	assigned by the	assigned by the messaging server upon delivery. The value is forwarded by the										
	messaging client	, which us	ually acquire	s it from the	messag	e itself, thou	gh the					
	precision of the i	informatio	n depends or	n the client. V	'alues re	present the	values of					
	the attribute »message-id« of the message according to RFC 2822 specification.											
XMLSchema type:	String Re	eference	sys:eml:Me	ssageld	MORE	Q2 code:	M195					

/<entity_type>/Description/place/current_location

	Require	d: N	10	Number:		1						
Definition:	Current	Current location of physical records										
Use:	Class: N	Class: NOFolder: YESSub-File: YESRecord: YES										
Commentary:	The value	The value represents a description of the current location of physical records,										
	when thi	when this is not a home location or when physical records is checked out or										
	entruste	d to a third p	arty for storage. E	nter data th	nat describ	oes the ext	ernal					
	location	of physical re	cords as precisely	as possible	(address, i	room, cabir	net,					
	folder).	At the same	time, make the ap	propriate m	odification	of the attr	ribute					
	»prm:Status« into »CheckedOut«.											
XMLSchema type:	String	Reference:	sys:prm:Curren	tLocation	MOREQ2	code:	M086					

/<entity_type>/Description/place/home_location

	Require	d:	NO		Number:		1					
Definition:	Home loo	Home location of physical records										
Use:	Class: N	0	Folder: YESSub-File:YESRecord:YES									
Commentary:	This valu	This value represents a description of the home location of physical records.										
	Enter da	ta that p	recisely	describes th	e in-house lo	cation wh	ere the phy	sical				
	records is being stored (address, room, cabinet, folder, file).											
XMLSchema type:	String	Referen	nce:	sys:prm:HomeLocation MOREQ2 code		2 code:	M122					

/<entity_type>/Description/recipient/e_mail_address

	Required:	NO	Num	ber:	Multiple							
Definition:	Email address	Email address of email recipient										
Use:	Class: NO	Class: NOFolder: NOSub-File:NORecord:YES										
Commentary:	forwarded by	Values represent the valid email addresses of email recipients. They are forwarded by the messaging client, which usually acquires them from the message itself, though the precision of the information depends on the client.										
	Values represent the values of attributes »to« of the message according to RFC 2822 specification.											
XMLSchema type:	String	Reference:	sys:eml:To	MOREQ2 co	ode:	M186						

/<entity_type>/Description/recipient/name

	Required:	NO		Number:		Multiple					
Definition:	Name of email	Name of email recipient									
Use:	Class: NO	O Folder: NO Sub-File:NO Record:YES									
Commentary:	Values represent valid names of email recipients. They are forwarded by the										
	messaging clie	messaging client, which usually acquires them from the message itself, though									
	the precision (of the informati	on depends	s on the clien	t. Values	s represent t	the				
	values of the a	values of the attribute »to« of the message according to RFC 2822 specification.									
XMLSchema type:	String	Reference:	sys:eml:T	D	MORE	Q2 code:	M066				

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/<entity_type>/Description/sender/e_mail_address

	Required:	NO	Nun	nber:	Multiple						
Definition:	Email address	of email sende	۰ ۲								
Use:	Class: NO	Class: NOFolder: NOSub-File:NORecord:YES									
Commentary:	This value rep	This value represents a valid email address of the email sender. It is forwarded									
	by the messag	by the messaging client, which usually acquires it from the message itself,									
	though the pr	ecision of the ir	formation deper	nds on the clien	t. The valu	е					
	represents th	e value of the a	ttribute »from« a	of the message	according	to RFC					
	2822 specification.										
XMLSchema type:	String	Reference:	sys:eml:From	MOREQ2	code:	M187					

/<entity_type>/Description/sender/name

	Required:	NO			Multiple							
Definition:	Name of the	email sender										
Use:	Class: NO	Folder: N	Folder: NOSub-File:NORecord:YES									
Commentary:	messaging cl precision of t	ient, which usua he information (id name of the email s Ily acquires it from the depends on the client. message according t	e messag The value	ge itself, tho e represent	ugh the s the value						
XMLSchema type:	String	Reference:	sys:eml:From	MOREC	22 code:	M075						

/<entity_type>/Description/title

	Required:	YES Number: 1		1					
Definition:	Title of the er	itle of the entity							
Use:	Class: YES	Folder: \	ES Sub-	-File:YES	Record:YES				
Commentary:	The mandato	ry title of the er	ntity being descr	ribed.					
XMLSchema type:	String	Reference:	nce: sys:Title MOREQ2		Q2 code:	M003			

/<entity_type>/Event_history/abstract/reclassification_reason

	Required:		NO		Number:		1		
Definition:	Commentary	ommentary stating the reason for moving (reclassifying) an entity							
Use:	Class: YES	Folder: YES		Sub-File:YES		Record:YES			
Commentary:									
XMLSchema type:	String	Refe	erence: sys:move		Reason MOR		Q2 code:	M021	

/<entity_type>/Event_history/date/checked_in

	Required:	NO		Number:		1				
Definition:	Date and time	Date and time of change of attribute "prm:Status" to "CheckedIn"								
Use:	Class: NO	Folder: \	Folder: YES		Sub-File:YES		′ES			
Commentary:	The value repr	resents the dat	e and time	when the a	attribute »p	orm:Status	s« of the			
	entity in question received the value »CheckedIn«.									
XMLSchema type:	dateTime	Reference:	sys:prm:Status MOREQ2		2 code:	M093				

/<entity_type>/Event_history/date/checked_out

	Required:	NO		Number:		1					
Definition:	Date and time	Date and time of change of attribute »prm:Status« to »CheckedOut«									
Use:	Class: NO	Folder: Y	Folder: YES		Sub-File:YES		:YES				
Commentary:	The value rep	resents the da	te and tim	e when the	attribute	»prm:Sta	tus« of the				
	entity in question received the value »CheckedOut«.										
XMLSchema type:	dateTime	Reference:	sys:prm:S	Status	MOREQ	2 code:	M094				

/<entity_type>/Event_history/date/closed

	Required:	NO		Num	ber:	1				
Definition:	Date and tim	ate and time of change of attribute »sys:Status« to »Closed«								
Use:	Class: YES	Folder	Folder: YES		Sub-File:YES		rd:YES			
Commentary:	The value rep	presents the	date and tim	e when	the attribute :	»sys:Sta	atus« of the			
	entity in que	stion receive	d the value »C	Closed«						
XMLSchema type:	dateTime	Reference:	sys:Close	d	MOREQ2 cod	e:	M051			

/<entity_type>/Event_history/date/created

	Required:		YES		Numb	Number:			
Definition:	Date and tim	ate and time of the entity's creation							
Use:	Class: YES		Folder: YES		Sub-File:YES		Record:YES		
Commentary:	The value re	prese	nts the da	te and time	e when	the entity wa	s creat	ed.	
XMLSchema type:	dateTime	Refe	erence: sys:Creat		ed MOREQ2 co		ode:	M048	

/<entity_type>/Event_history/date/opened

	Required:	YES	Nu	mber:	1					
Definition:	Date and time	Date and time of change of attribute »sys:Status« to »Opened«								
Use:	Class: YES	6 Folder: YES Sub-File:YES Record:YES								
Commentary:	•				bute »sys:Status r <u>General systen</u>					
XMLSchema type:	dateTime F	Reference:	sys:Opene	d MOR	EQ2 code:	M050				

/<entity_type>/Event_plan/date/return

	Required:	NO	NO Number:			1				
Definition:	Return date a	Return date and time of checked out physical record								
Use:	Class: NO	Folder: YESSub-File: YESRecord: YES								
Commentary:	storage locat	This value represents the status of physical record according to its current storage location. It is specified/changed in case physical record is checked out or transferred to a thirty party that stores it at a remote location.								
XMLSchema type:	dateTime	Reference:	sys:prm:F	leturnDue	MOREO	22 code:	M098			

/<entity_type>/Event_plan/status/permanent

	Required:	YES	Num	per:	1					
Definition:	States this entity should not be deleted									
Use:	Class: NO	ass: NO Folder: YES Sub-File:YES Record:YES								
Commentary:	request nor in a administrator o	the review pr can choose to	should not be dele ocess. The value o disregard it at t led entity is »Pern	s merely a wa neir own discr	rning, and etion. The	the				
XMLSchema type:	Boolean R	eference:	sys:Significance	MOREQ2	code:	M031				

/<entity_type>/ldentity/system_identifier

	Require	d:	YES		Number:		1		
Definition:	Unique s	Unique system identifier							
Use:	Class: Y	Class: YES Folder: YES Sub-File:YES Record:YES					/ES		
Commentary:	Assigned	l by the ll	MiS®/A	RChive Serve					
XMLSchema type:	String	Refere	eference: Internal entity MC			MORE	22 code:	M020	
				identifier					

/<entity_type>/Relation/agent/custodian

	Required:	NO	Number	: 1						
Definition:	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 i	s stored at a	nome location (value	of the attribute »pri	m:Status«					
	is »CheckedIn«), this is the p	erson safekeeping th	e physical record. V	Vhen it is					
	stored remote	ely (value of th	e attribute »prm:Sta	tus« is »CheckedOut	:«), it is the					
	outside person who was entrusted with safekeeping the checked out record.									
XMLSchema type:	String F	Reference:	sys:prm:Custodian	MOREQ2 code:	M002					

/<entity_type>/Relation/agent/owner

	Required:	YES	r	Number:	1					
Definition:	Person who is	Person who is the current owner of the entity								
Use:	Class: YES	Folder: \	Folder: YES Sub-File:YES Rec			YES				
Commentary:	The value rep	resents the dir	rectory subje	ect (user or group) the entit	y belongs to				
	(the owner of	(the owner of the entity).								
XMLSchema type:	String	Reference:	sys:Owner	MOREQ2	code:	M002				

/<entity_type>/Relation/is_child_of

	Required:	YES		Number:		1		
Definition:	Full classificat	Full classification code of the parent entity						
Use:	Class: YES	Folder: \	Folder: YES		Sub-File:YES		YES	
Commentary:								
XMLSchema type:	String	Reference:	Classifica	tion code	MOREG	02 code:	M057	

/<entity_type>/Relation/retention_and_disposition_schedule

	Required:	YES	Number:		Multiple				
Definition:	Unique system identifier of the retention policy								
Use:	Class: YES	Folder: YE	S Sub-File:	YES	Document: Conditionally				
Commentary:	A link to the	retention poli	cy is required for 1	he clas	ss, folder and docur	nent if it			
	is classified directly under the class.								
XMLSchema type:	String F	Reference:	Entity binds	Μ	OREQ2 code:	M025			

/<entity_type>/Relation/disposal_hold

	Required:	NO		Number:		Multiple		
Definition:	Unique syster	Inique system identifier of the disposition hold						
Use:	Class: YES	Folder: YES		Sub-File:YES		Record:YES		
Commentary:								
XMLSchema type:	String	Reference:	Entity bind	ls	MORE	Q2 code:	M032	

/<entity_type>/Use/status/active

	Required:	YES		Number:		1				
Definition:	Entity is activ	Entity is active								
Use:	Class: YES	Folder: \	′ES	Sub-File:	NO	Record:	10			
Commentary:	»true« when	the attribute »	sys:Status«	of the enti	ty in quest	tion has th	ie value			
	»Opened« (ch	»Opened« (chapter <u>General system attributes</u>).								
XMLSchema type:	Boolean	Reference:	sys:Status	6	MOREQ2	code:	M019			

/<entity_type>/Use/status/physical

	Required:		NO		Number:		1			
Definition:	Physical co	Physical content tag								
Use:	Class: NO	lass: NO Folder: YES Sub-File:YES Record:YES								
Commentary:	»true« whe	»true« when this is physical record, »false« or no value when it is not								
XMLSchema type:	Boolean	Refe	rence:	Physical	records	MOR	EQ2 code:	M084		
			management							
				attribute	S					

/<entity_type>/Use/status/vital_record

	Required:	YES	Number:		1					
Definition:	States this entity is of vital importance to the archive owner									
Use:	Class: NO	Class: NO Folder: YES Sub-File:NO Record: YES								
Commentary:	request or in the	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 Re	ference:	sys:Signifi	cance	MOREQ2	code:	M005			

/<entity_type>/Use/technical_environment/format

	Required	1:	NO		Number:		1			
Definition:	Contains a description of physical record									
Use:	Class: N	0	Folder: YESSub-File:YESRecord:Y					YES		
Commentary:	The value	e represe	ents a des	cription of t	he physical r	record. En	ter a prec	sise		
	descripti	description of the physical record, its format, physical carriers, volume								
XMLSchema type:	String	Refere	nce:	sys:prm:D	escription	MOREQ	2 code:	M092		

/<entity_type>/Custom/acl

	Required:	NO	Number:	1							
Definition:	List of access r	List of access rights and metadata on the entity (Access Control List)									
Use:	Class: YES	Class: YES Folder: YES Sub-File:YES Record:YES									
Commentary:	The label »acl« (The label »acl« contains data about the list of access rights and metadata on									
	the entity, that	; are not a part of th	e Moreq2 specific	ation. Individual entries in							
	the list of access rights are found in the contained »entry« labels.										
XMLScheme type:	complexType	Reference:	ACL M	DREQ2 code: /							

/<entity_type>/Custom/acl/entry

	Required:	YES	Number:	Multiple			
Definition:	List of access r	st of access rights and metadata on the entity (Access Control List)					
Use:	Class: YES	Class: YES Folder: YES Sub-File: YES Record: YES					
Definition: Use: Commentary:	Class: YES The entry in the does contain and and the following the directory's • type: e • cr: rig • cse: rid • da: rig • mv: rig • mv: rig • ra: rig • wa: rig • cre: rig • csc: rig • csc: rig • csc: rig • date_fr from). • date_tr The entry in the »user« attribute attribute with the specify which a • type: e • ca: right • date_fr from). • date_tr The entry in the specify which a • type: e • ca: right • date_fr • date_fr from).	Folder: YES e list of access right in XML »user« attributes to entity: enumerator of the to ht to edit access right to create new co ht to delete the entite ght to create new co ht to delete the entite ght to create the entite ght to change stora ght to change stora of to change stora to change status rom: date of current a e list of access right e with the name of the the name of the met ccess rights are val numerator of the ty int to create the value ht to delete the value ht to edit the value to creat the value ht to edit the value to creat the value ht to edit the value ht to edit the value	Sub-File:YES is for an entity ute with the na hat specify whi ype of access r hts list.+- hild entities. ity. ity. y. ge. ity class. t access control is for the entity the directory's tadata, and the id for the direc ype of right (see id for the entity's of the entity's of the entity's of the entity's of the entity's of the current he current list	6 Record:YES does not contain values, ame of the directory's entiched access rights are valid right (see below). right (see below). ol list validity (start / validits) y's metadata contains an entity, an XML »property entity, entity: a below). 's metadata. story's entity: a below). 's metadata. metadata. sist of access rights. of access rights.	id id XML		
	 Description of enumerator values for the type of access right: EXPLICIT_ALLOW: explicit permission. 						
	 EXPLICIT_ALLOW: explicit permission. EXPLICIT_DENY: explicit denial. INHERITED_ALLOW: inherited permission. INHERITED_DENY: inherited denial. 						
XMLScheme type:	none	 Reference:	ACL	MOREQ2 code:	/		

/<entity_type>/Custom/additional_metadata

	Required:	NO	Number:	1	1			
Definition:	User entered	User entered metadata						
Use:	Class: YES	Folder: YES	Folder: YES Sub-File:YES Record:YES					
Commentary:	User entered	l metadata nece	ssary for managing	the archive	. This dat	a is not		
	prescribed by	y the IMiS®/ARC	hive Server and is	input by the	user acc	ording to		
	requirements	s. Additional met	adata is intended f	or export on	ly and is i	ignored in		
	case of impor	rt.						
XMLSchema type:	any Re	ference:	ETZ: 3.5.3.8	MOREQ2	code:	/		
			MOREQ2: 5.3.17					

/<entity_type>/Custom/audit_trail

	Required:	NO	Numb	er:	1				
Definition:	Name of the a	Name of the audit trail file							
Use:	Class: YES	Folder: \	ES Sub-F	ile:YES	Record:	/ES			
Commentary:	authenticity, contains the contains the	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	Reference:	Audit trail	MOREQ2	2 code:	/			

/<entity_type>/Custom/Content

	Required:	NO	Number:	1				
Definition:	Container of att	Container of attached content (files)						
Use:	Class: NO	Folder: NO	Sub-File:NO	Record:YES				
Commentary:	one document o	The »content« label contains at least one »part« label, which represents exactly one document content and an XML »hash_algorithm« attribute that contains the name of the hash function, which is used when calculating the hash value of						
XMLSchema type:	complexType	Reference:	sys:Content	MOREQ2 code:	/			

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/<entity_type>/Custom/content/part

	Required:	NO	Number:	Multi				
Definition:	Container of att	Container of attached content (files)						
Use:	Class: NO	Folder: NO	Sub-File:NO	Record:YES				
Commentary:	The »part« label	contains the na	me of a separate fil	e, which contains e	xactly one			
	exported docum	ient content, an	d the following XMI	_ attributes:				
	 descript 	tion: content de	escription					
	• mime: a	data on content	type					
	extension	on: extension of	the attached conte	ent				
	 size: cor 	ntent size						
	accesse	ed: timestamp c	of the last access to	the content				
	• created	: timestamp of t	he content creatio	n				
	 modified 	d: timestamp of	the last change of t	he content				
	hash: hash value	hash: hash value of the content that is used for verifying the authenticity of a						
	separate file.							
XMLSchema type:	String	Reference:	ContentPart I	MOREQ2 code:	/			

/<entity_type>/Custom/email

	Required:	NO	Number:	1			
Definition:	Email metadata	Email metadata (names and values)					
Use:	Class: YES	Folder: YES	Sub-File: YES	Becord:YES			
Commentary:	The »email« labe	l contains email	metadata and the v	alues that are not a part of			
	the Moreq2 specification.						
XMLSchema type:	complexType	Reference:	»eml:« attributes	MOREQ2 code: /			

/<entity_type>/Custom/email/subject

	Required:	NO	Number:	1			
Definition:	Email subject						
Use:	Class: NO	Folder: NO	Sub-File: NO	Record:YES			
Commentary:	The »subject« la	The »subject« label contains the subject of the email.					
XMLSchema type:	String	Reference:	sys:eml:Subject	MOREQ2 code: /			

/<entity_type>/Custom/email/blind_copy_recipient/e-mail_address

	Required:	NO	Number:	Multi				
Definition:	The email addre	ss of the hidder	recipient of the ema	ail copy				
Use:	Class: NO	Class: NO Folder: NO Sub-File: NO Record: YES						
Commentary:	copies. The valu the email, altho	The values represent valid email addresses of hidden recipients of the email copies. The values are transmitted by the client and are usually obtained from the email, although the accuracy of this information depends on the client. The values represent the values from the »bcc« attribute of the message						
XMLSchema type:	String	Reference:	sys:eml:ToBCC	MOREQ2 code: /				

/<entity_type>/Custom/email/blind_copy_recipient/name

	Required:	NO	Number:	Multi				
Definition:	The name of the	The name of the hidden recipient of the email copy						
Use:	Class: NO	Folder: NO Sub-File: NO Record: YES						
Commentary:	The values repre	esent the name	s of hidden recipient	s of the email copie) S.			
	The values are t	ransmitted by t	the client and are us	ually obtained from	the			
	email, although t	the accuracy of	this information dep	ends on the client.	The			
	values represen	t the values fro	m the »bcc« attribut	e of the message a	iccording			
	to the RFC 282	to the RFC 2822 specification.						
XMLSchema type:	String	Reference:	sys:eml:ToBCC	MOREQ2 code:	/			

/<entity_type>/Custom/email/priority

	Required:	NO	Number:	1				
Definition:	Contains the pr	Contains the priority status when sending email						
Use:	Class: NO	Folder: NO	Sub-File: NO	Record:YES				
Commentary:	The »priority« la	The »priority« label contains the priority status when sending email.						
XMLSchema type:	String	Reference:	sys:eml:Priority	MOREQ2 code: /				

/<entity_type>/Custom/email/signed

	Required:	NO		Number:		1		
Definition:	The value indicat	The value indicates whether the email was electronically signed						
Use:	Class: NO	Folder: YES	Sub-File: NO Record:YES					
Commentary:	The »signed« lab	el contains the	value t	that indicates	wh	ether the email	has been	
	electronically signed.							
XMLSchema type:	Boolean	Reference:	sys:e	ml:Signed	Μ	OREQ2 code:	/	

/<entity_type>/Custom/Evidence

	Required:	NO	Number:	1		
Definition:	Evidence of entity's authenticity					
Use:	Class: NO	Folder: YES	Sub-File:YES	Record:YES		
Commentary:	The value re	The value represents an evidence record of the entity's authenticity obtained				
	from the pre	vious ISDM in ca	se of import. In case	of export from ISDM, the data		
	is exported i	is exported into a metadata scheme and a third ISDM can again import it into				
	the attributes of transferred entities. The attribute does not influence the					
	business logic of the server, it serves merely as a carrier of information.					
	Two XML attributes are contained:					
	• Hash_algorithm: »string« type containing the name of the hash					
	algorithm.					
	• Hash: hash value of file with the authenticity evidence.					
	The value of the XML tag contains the name of the authenticity evidence file.					
XMLSchema type:	String R	eference:	sys:trf:Evidence	MOREQ2 code: /		

/<entity_type>/Custom/physical_identifier

	Required:	NO	Number:	1	
Definition:	Identifier of the metadata of physical material				
Use:	Class: NO	Folder: YES	Sub-File:YES	Record:YES	
Commentary:	The label »physical_identifier« contains the identifier of the metadata of physical				
	material.				
XMLSchema type:	String R	leference:	Physical content	MOREQ2 code: /	

/<entity_type>/Custom/properties

	Required:	NO	Number:	1	
Definition:	Other entity attributes together with values				
Use:	Class: YES Folder: YES Sub-File:YES Record: YES				
Commentary:	The »properties« label contains at least one »property« label, which represents				
	the entity attributes together with values that are not a part of the Moreq2				
	specification.				
XMLSchema type:	complexType	Reference:	Attribute	MOREQ2 code:	/

/<entity_type>/Custom/properties/property

	Required:	YES	Number:	Multi		
Definition:	Entity attribute together with values					
Use:	Class: YES	Folder: YES	Sub-File:YES	Record:YES		
Commentary:	The »property	« label represents t	he entity attribute	together with values).	
	Every »proper	ty« label can have th	ne following XML at	tributes:		
	• »name	e«, which contains tl	he name of the att	ribute.		
	• »type	• »type«, which contains the type of the attribute in the database.				
	• »value_ type«, which represents the type of the attribute with possible					
	values: STRING, STRINGMAX, BINARY.					
	• »hash_algorithm«: contains the name of the hash function that is used					
	for calculating hash value for STRINGMAX or BINARY type attributes					
	and at least one »value« label, which contains either the value of the entity's					
	attribute for STRING type attributes or the name of a separate file for					
	STRINGMAX or BINARY type attributes.					
XMLSchema type:	complexType	Reference:	Attribute	MOREQ2 code:	/	

/<entity_type>/Custom/properties/property/value

	Required:	YES	Number:	Multi		
Definition:	Value of the entity's attribute					
Use:	Class: YES	Folder: YES	Sub-File:YES	Record:YES		
Commentary:	The »value« label does not contain XML attributes if the attribute type is					
	STRING (see t	he »property« label)	. In this case, the v	alue written in the la	ıbel is	
	the same as tl	the same as the value of the attribute.				
	If the value of the attribute type is the same as STRINGMAX or BINARY,					
	the value written in the »value« label is the same as the name of the separate					
	file that contains the value of the attribute. In this case, the »value« label					
	contains the XML »hash« attribute that represents the hash value of the file					
	with the attribute content.					
	For BINARY attributes the »value« label also contains the XML »mime«					
	attribute, which contains data on the content type.					
XMLSchema type:	String	Reference:	Attribute	MOREQ2 code:	/	

/<entity_type>/Custom/retention

	Required:	NO	Number:	1	
Definition:	Entity retention policy list				
Use:	Class: YES Folder: YES Sub-File:YES Record: YES				
Commentary:	The »retention« label contains data on the entity retention policy list that is not				
	a part of the Moreq2 specification. Individual entries in the retention policy list				
	are found in the contained »policy« labels.				
XMLSchema type:	complexType	Reference:	ACL	MOREQ2 code: /	
/<entity_type>/Custom/retention/policy

	Required:	YES	Number:	Multi							
Definition:	Entity's reten	Entity's retention policy									
Use:	Class: YES	Class: YES Folder: YES Sub-File:YES Record:YES									
Commentary:	is the same as has an XML »f	s the identifier of the ilter« attribute that ving possible values	e retention policy. represents the r	policy. The value of the la Besides the value, the lab etention policy's filter typ or DOCUMENT and their	bel ce						
XMLSchema type:	String	Reference:	ACL	MOREQ2 code: /	1						

/<entity_type>/Custom/template_id

	Required:	YES		Number:		1	
Definition:	Unique templa	nique template ID					
Use:	Class: YES	Folder: \	Folder: YES		Sub-File:YES		YES
Commentary:	Unique templa	ate identifier o	n the IMiS®	/ARChive S	Server.		
XMLSchema type:	String	Reference:	Templates	6	MOREQ2	code:	/

/<entity_type>/Custom/transferred_audit_log

	Required:	NO		Number		1			
Definition:	Previously in	reviously imported audit log							
Use:	Class: YES	Folder: YES		Sub-File:YES		Record:YES			
Commentary:	Content of t	he attribute »sy	s:trf:AuditL	.og«. The a	ttribute is	created only	/ upon		
	import to th	import to the IMiS®/ARChive Server.							
XMLSchema type:	String	Reference:	sys:trf:Au	ditLog	MOREQ2	2 code:	/		

/RDS/Description/abstract/description

	Required	I: NO		Number:		1				
Definition:	Longer de	onger description of the retention policy or disposition hold.								
Commentary:										
XMLScheme	String F	Reference:	sys:ret:pol:De	tailedDescription	MORE	Q2 code:	M043			
type:										

/RDS/Description/mandate

	Required:	NO	Number:	M	lultiple					
Definition:	Authorizatio	Authorizations, which set the rights of the retention policy.								
Commentary:	Name of the	Name of the file in the file system which stores the authorization in electronic								
	form. Only t	form. Only the retention policy has authorizations.								
XMLScheme type:	String	Reference:	sys:Content	MOREQ2 code	e: M030					

/RDS/Description/abstract/reason

	Required:	NO		Number:		1				
Definition:	Reason for ci	leason for creating a retention policy or disposition hold.								
Commentary:										
XMLScheme	String R	leference:	sys:ret:hold:F	Reasonsys:ret:pol:	Reason	MOREQ2	M015			
type:						code:				

/RDS/Description/title

	Required:	YES	Number:		1			
Definition:	Title of the re	te of the retention policy or disposition hold.						
Commentary:								
XMLScheme type:	String	Reference:	sys:Title	MOREQ2 co	ode:	M015		

/RDS/Event_plan/event_type/disposition_action

	Required:	YES		Number:	1					
Definition:	Default action	on of the retent	tion policy	in the implement	tation phase of the r	eview				
	process.									
Commentary:	Valid values:									
		• »Dispose«: the default action of the retention policy is the disposition of entities.								
	 »Permanent«: the default action of the retention policy is retention of entities. 									
	 »Transfer«: the default action of the retention policy is the transfer of entities to another system and their disposition after confirmation of successful transfer. 									
	 »Review«: the default action of the retention policy is to leave the entity for the next review process. 									
XMLScheme type:	String	Reference:	sys:ret:p	ol:Action	MOREQ2 code:	M014				

/RDS/Identity/system_identifier/disposal_hold

	Required:	YES	N	lumber:		1			
Definition:	Unique syste	Jnique system identifier of the disposition hold.							
Commentary:	Set by IMiS®	ARChive Se	rver.						
XMLScheme type:	String Re	tring Reference: Internal entity identifier MOREQ2 code:					M137		

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/RDS/Identity/system_identifier/retention_and_disposition_schedule

	Required:	YES	Nu	mber:		1			
Definition:	Unique syste	Jnique system identifier of the retention policy.							
Commentary:	Set by IMiS®	ARChive Se	rver.						
XMLScheme type:	String R	tring Reference: Internal entity identifier MOREQ2 code:					M008		

/RDS/Use/status/inheritance

	Required:	NO		Number:		1			
Definition:	Specifies wh	Specifies whether the retention policy can be inherited by entities.							
Commentary:	The IMiS®/A	The IMiS®/ARChive Server specifies that all retention policies are inherited.							
	The value is	The value is always TRUE.							
XMLScheme type:	String F	Reference:	Internal	entity identifier	MOREC	22 code:	M197		

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 3: 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 xmlns: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>
```

</moreg2:AdditionalMetadataRoot>

Image 4: 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.

🥘 ι	Intitled	I - Notepa	d		_	×	:
File	Edit	Format	View	Help			
C=10 C=10 C=10 C=10 C=10	;true; Ac=01; Ac=01/ Ac=01/ Ac=01/	590348 true; 79 c=01;tru c=01AC=(c=01AC=(97890 ue; 45 01;tru 01^c=0	sfered;ReferenceId 7593 e; 098459 1;true; 095490 1^F=2015-00001;false;			< >
<						>	

Image 5: Example of a confirmation file after transfer

4 USER MANUAL

4.1 Login and Logout

The user accesses the IMiS[®]/wClient application via a web browser (Google Chrome, Mozilla Firefox, MS Edge, ...) by entering the URL of IMiS[®]/wClient in the title bar. A login window appears in which the user can log into the IMiS[®]/ARChive Server.

MiS/wClient		
IMiS/Archive Server		-
Username		
Password		
	LOGIN	
	IMiS/wClient (v1.2.1810.2)	

Image 6: Login on archive

4.1.1 Cookie Policy

Before first login on the archive and every subsequent login (if cookies have been removed) the user has to agree to the use of cookies.

To ensure proper operation and a better user experience the website uses the following cookies:

- To remember last selected archive
- Current archive user identifier
- Archive token
- Entity handles
- Entity information visibility
- Current locale
- List mode
- Policy agreed
- Classification code visibility
- Description visibility
- Sort field
- Sort field descending.

Cookies

This website uses cookies to improve user experience. By using our website you consent to all cookies in accordance with our Cookie Policy.

Cookies

To make this site work properly, we sometimes place small data files called cookies on your device. Most big websites do this too.

What are cookies

A cookie is a small text file that a website saves on your computer or mobile device when you visit the site. It enables the website to remember your actions and preferences (such as login, language and other display preferences) over a period of time, so you don't have to keep re-entering them whenever you come back to the site or browse from one page to another.

I AGREE



4.1.2 Localization

In the top right corner of the login window the user can choose the language of the

IMiS®/wClient application from a list by clicking on the icon 🤨

In agreement with the application developer Imaging Systems Inc., the language selection can be expanded as desired.

The languages currently supported are:

- English
- Slovene.

IMiS/wClient	LAN	IGUAGE
IMiS/Archive Server	~	English Slovenščina
Username Password	0	About
LOGIN		



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4.1.3 About

By selecting the »About« command, the user is shown a new window with the following information:

- IMiS[®] module name.
- IMiS[®] module version.
- Archive name and version.
- IMiS[®]/Storage Connector Services REST version.
- License Agreement.
- Notices and Trademarks.



Image 9: About dialog box

4.1.4 Login

The user logs into the archive of the IMiS[®]/ARChive Server via the IMiS[®]/wClient by first selecting the relevant archive in the login window.

IMiS/wClient	:
IMiS/Archive Server	•
The archiving of unlimited quantities of binary objects.	
iarc 9.7 The archiving of unlimited quantities of binary objects.	
iarc 9.8 The archiving of unlimited quantities of binary objects.	
iarcs 9.8 The archiving of unlimited quantities of binary objects.	
iarc 9.9 The archiving of unlimited quantities of binary objects.	

Image 10: A list of available archives

<u>Note</u>:

The user can choose only among the archives predefined by the administrator. The user selects the archive from a list by clicking on the arrow in the top right area of the login window. The administrator is the only one who can remove an archive.

The user enters his username in the field »Username« and his password in the field »Password«. The user confirms login with the »Log in« button.

IMiS/wClient	
IMiS/Archive Server	•
kclay	
••••	୕
LOGIN	
IMiS/wClient (v1.2.1810.2)	
IMAGING SYSTEMS	

Image 11: Logging into the archive

After a successful login, the central view shows the user a list of root classes in the classification scheme of the selected archive to which the user has access rights.

4.1.5 Logout

The user logs out of the archive using the »Log out« command in the popup menu.

Access to the popup menu is enabled by clicking the arrow next to the user's name in the top right corner of the user interface.

				😺 Keira Clay 🗸
NEW	OPEN	•	•	Profile About
			€	Log out

Image 12: Log out of the archive

4.2 Interface description

The user interface of the IMiS[®]/wClient is designed in accordance with contemporary design trends. It has preserved the concept of displaying the key data on the archive records, following the example of the desktop client IMiS[®]/Client.

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 six (6) main windows described below.

IMiS/wClient	Search	વ ≢		5	😨 Keira Clay 🗸
Archive My entities	IMiS/Archive Server > Administration > C	ompany Documentation	6	4 NEW	OPEN EDIT ACTIONS Image: second seco
Drafts	Title *	Classification Code Description	Modified	Compa	any Documentation ×
E Directory	Agreements and Terms & Conditions	01.01.02	4/12/2017	Compo	
	Company formation	01.01.01	17/9/2018	DETAILS	SECURITY ACTIVITY
 Administration Reviews 				Title	Company Documentation
∠ Export Import		2		Description Created	🔗 Administrator 4. Dec 2017, 13:44
👻 📗 Trash				Modified	24. Oct 2018, 11:01
 Disposed Deleted 				Status	Opened Inherited
P Queue				Security class	
				Significance Owner	Vital Inherited
				Keywords	3
				> References	
				> Retention	
				> More	

Image 13: User interface of the IMiS[®]/wClient

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The left view of the user interface (number 1 in the image above) contains the following categories:

- Archive
- My entities
- Drafts
- Directory
- Administration.

For more information see chapter <u>Classification scheme</u>.



Image 14: Categories in the left view

In the central view of the user interface (number 2 in the image above) is a list of contained entities of the selected archive or entity. The archive contains only classes, while the class and folder may contain folders and documents.

IMiS/Archive Server > Miscellaneous

Title [▲]	Classification Code	Description	Modified
▶ 複写資料が到着しました【武蔵大学図書館】	07/000043		18/10/2018
Despatch_Telekom Slovenije.tif	07/000057		18/10/2018
Invoice_Telekom Slovenije.pdf	07/000067		18/10/2018
Payment transaction recorded in the PayU Sy	07/000049		18/10/2018

Image 15: A list of entities

The contained entities are shown below the bar with the titles of the common attributes. The »Title« is shown by default. If the user has also selected the »Classification code«, »Description« and »Modified« in the settings, the view also shows information on the selected entity.

More on the central view in the chapter <u>List of entities</u>.

The right view of the user interface (number 3 in the image above) contains tabs which show different types of information on the selected entity. When viewing publicly accessible entity data, the user is generally provided public metadata on the entity in the »Details« tab and shown the user's effective rights on the entity in the »Security« tab.

Users with rights have access to the selected the audit log for the selected entity in the »Activity« tab and display of the selected retention periods and disposition holds in the »Retention« tab in Edit mode. If the user does not have the appropriate rights, the tabs are not shown.

For more information see the chapter Entity information.

Payment transaction recorded i					
DETAILS	SECURITY	ACTIVITY			
Title	Payment transaction recorded in the PayU System				
Description					
Created	🥋 Administrator 18. Oct 2018, 0)8:31			
Modified	18. Oct 2018, 08:31				
Status	Opened Inherited				
Security class	Unclassified Inherited				
Significance	Retain Inherited				
Owner					
Keywords					
Categories					
> Retention					
> More					

Image 16: Entity information

<u>Note:</u>

The default setting of the IMiS®/wClient is to always show information on the entity and content.

The command bar (number 4 in the image above) contains commands and actions.

They depend on the type and status of the element selected in the classification scheme or of the entity selected from the list of entities, and on the user's rights and role.

For more information see the chapter <u>Command bar</u>.



Image 17: Display of the command bar

<u>Note:</u>

If the »Archive« folder is selected, only the button for creating root classes (New) is enabled in the command bar.

The header of the user interface (number 5 in the image above) contains:

- Information on the title of the application (IMiS[®]/wClient).
- A field for entering the search string with the option of selecting the search scope. For more information see chapter <u>Search</u>.
- Information on the user's profile and the program module.
 For more information see chapter <u>Menu functions</u>.

IMiS/wClient Search Q 🛱	Alex Ne
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To enable quicker access to entities, the user is provided a hierarchical view of the entity's position within the tree structure (number 6 in the image above) above the central view of the user interface. It enables quick access to the parent entities.

IMIS/Archive Server 🔌 Custom Relationship Man... 🔌 Invoicing and Crediting 🔌 Invoices 🔌 Takok 2018

Image 19: Hierarchical position of the entity within the tree structure

4.2.1 Classification scheme

In the left view of the IMiS[®]/wClient, the user is shown the following categories:

- Archive: root classes in the classification scheme.
- My entities: a list of entities accessed by the user.
- Drafts: drafts of document versions.
- Directory: a list of archive users.
- Administration: a system folder with subfolders.



Image 20: Display of folders in the left view of the web client $IMiS^{\ensuremath{\texttt{M}}}/wClient$

4.2.1.1 The »Archive« folder

By selecting the »Archive« folder in the left view, the user is shown a list of archive root classes.

<u>Note:</u>

By clicking on the arrow in front of the selected class, the user is shown a list of contained classes. By configuring the server, the user can limit the number of levels for classes and folders in the classification scheme. The default setting specifies a hierarchy with a maximum of three (3) class levels.



Image 21: The tree view of the classification scheme in the »Archive« folder

The IMiS[®]/ARChive Server does not limit the number of the archive's root classes nor the number of contained classes, folders or documents in an individual class or folder.

4.2.1.2 The »My entities« folder

By selecting the »Directory« folder in the left view, the user is shown a list of entities, whose owner is the current user, in the central view.

IMiS/wClient	Search q #
 Archive My entities 	My entities
Drafts	Title [▲]
🚊 Directory	Alex Triantis with Univ of Maryland Business School wants a telephone interview regarding Real Options as follow to
👻 💭 Administration	Alley Theatre - "Long Day's Journey Into Night" 2 tickets
Image: Image: Image:	Analyst Conference
↗ Import▼ ■ Trash	Andre LeGAllo
DisposedDeleted	Annual Mgmt. Confererence - San Antonio
P Queue	Anonymous Reporting Facilities

Image 22: Selecting the entity in the »My entities« folder in the central view

4.2.1.3 The »Drafts« folder

By selecting the »Drafts« folder in the left view, the user is shown a list of entity version drafts, to which the current user has access, in the central view.

IMiS/wClient	Search	۹. ≆	
Archive My entities	Drafts		
Drafts	Title 🔺	Description	Modified
Directory	Production Mid East June 2018	Mid East production template	25/10/2018
- 🖵 Administration	Report Asia January 2018		25/10/2018
 In the second se	Competitive Intelligence	Compliant John Smith	25/10/2018
 Import Trash Disposed Deleted Queue 			

Image 23: Selecting the »Drafts« folder in the left view

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4.2.1.4 The »Directory« folder

By selecting the »Directory« folder in the left view, the user is shown a list of users or groups in the central view.

IMiS/wClient	Search	9 、
Archive My entities	Directory	
Drafts	Title 🔺	Description
🕰 Directory	Keira Clay	IT - Human Resources assistance
👻 🛄 Administration	😩 Lokalna Agregat grupa	
● Reviews✓ Export	Aaintenance	
↗ Import ▼ ■ Trash	🙆 Marco Welch	Sales
 Disposed Deleted Queue 	L Marko Breznik	
	L Marko Hren	



By selecting the icon and »Details« command in the user or group record, the right view shows the user or group data.

Title	*	Description	Keira Clay			
٢	Keira Clay	IT - Human Resources assistance				×
	Lekeles Agregat grups		i Details			
*	Lokalna Agregat grupa			Description	IT - Human Resources assistance	
	Maintenance			Туре	USER	
	Maintenance			First name	Keira	
6	Marco Welch	Sales		Last name	Clay	
	Marco Weich			Email	keira.clay@acme.com	
•	Marko Breznik			Security class level	Restricted	
	Marko Brezhik			Identifier	kclay	

Image 25: User data

4.2.1.5 The »Administration« folder

The folder »Administration« is available to the user in the left view with a default display of subfolders:

Reviews: a list of reviews in the review process.
 For more information see chapter <u>Review process</u>.
 Export: a list of entity exports containing reports.
 For more information see chapter <u>Export</u>.

- Import: a list of entity imports containing reports.
 - For more information see the chapter <u>Import</u>.
- Trash: a list of deleted entities. This folder contains the following subfolders:
 - Disposed: a list of entities disposed of during the review process.
 - Deleted: a list of deleted entities.
 - Queue: a list of entities waiting for deletion.

4.2.2 List of entities

A list of contained entities (classes, folders or documents) of the selected class is located in the central view of the user interface. The contained entities are shown below the bar with the titles of the common attributes of the contained entities.

The order of the shown attributes is predefined and is as follows:

- 1) Title
- 2) Classification code
- 3) Description
- 4) Modified.

IMiS/Archive Server > Supply Chain management

Title 🔺	Classification Code	Description	Modified
Maintenence	03.06		13/9/2018
Manufacturing	03.04		22/8/2018
Planning and Control	03.01		22/8/2018
Procurement	03.03		22/8/2018
Production	03.07	Production docu	27/9/2018
Quality Management	03.05		22/8/2018
Work Organization	03.02		22/8/2018

Image 26: A list of contained entities of the selected entity

The user can add or remove the columns of the selected attribute »Classification code«,

»Description« and »Modified« with the icon 📕 in the command bar. The »Title« column is always present and cannot be removed.

For more information on the entity display options see chapter Menu functions.

By selecting the arrow or title of the column of the selected attribute »Title« or »Classification code«, the user specifies the order of the entities shown.

IMiS/Archive Server	 	Supply Chain	monogomont
INITS/ALCHIVE Server	1	Supply Chain	management

Title	Classification Code	Description	Modified
Planning and Control	03.01		22/8/2018
Work Organization	03.02		22/8/2018
Procurement	03.03		22/8/2018
Manufacturing	03.04		22/8/2018
Quality Management	03.05		22/8/2018
Maintenence	03.06		13/9/2018
Production	03.07	Production docu	27/9/2018

Image 27: Selecting the order of displaying the list of entities

<u>Note:</u>

The setting of displayed attributes applies to the selected browser at the level of the entire archive for all entities shown on the list of contained entities.

<u>Tip:</u>

In order to preserve a clear classification scheme and limit the moving of entities, users are advised AGAINST classifying documents directly into classes but always in folders.

4.2.3 Entity information

Information about the selected entity is found in the right view of the IMiS[®]/wClient user interface. The tabs are available in the following modes of displaying information on the selected entity:

- »Preview«: a display of tabs and their contents which are publicly accessible to the user.
- »Open«: a display of tabs according to the user's effective permissions.
- »Edit«: a dialog box opens with the attributes whose values can be modified.
- »Details«: contains system metadata that may be edited, and the predefined metadata of the entity. In the reading mode the tabs show all the data for which the user has the read permission.
- »Security«: contains an overview of the effective permissions of groups and users for the selected entity. A user with the »Change permissions« effective permission is enabled the editing of explicit access rights for a selected entity user or group that has predefined effective permissions on the entity.
- »Activity Log«: contains the audit log for the selected entity.
 A user with the »AuditLogQuery« role is enabled to review the audit log data.

Invoice	Telekom Slovenije	×
DETAILS	SECURITY	ACTIVITY
Title	Invoice Telekom Slovenije	
Description		
Created	🚷 Administrator 18. Oct :	2018, 13:41
Modified	18. Oct 2018, 14:09	
Status	Opened Inherited	
Security class	Unclassified Inherited	
Significance	Retain Inherited	
Owner		
Keywords		
Categories		
> Physical prope	erties	
> Retention		
> Save Log		
> More		
28. Tabe conta	ining entity informati	on in the reading

4.2.3.1 The »Details« tab

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

The first column gives the titles of attributes, while the second column displays their values.

4.2.3.1.1 General metadata

The »Details« tab contains general and general metadata for the selected entity.

By selecting the name in front of a given set, the user is shown the remaining entity details. For more information see chapter <u>General system attributes</u>.

> Invoice Telekom Slovenije × DETAILS SECURITY ACTIVITY Title Invoice Telekom Slovenije Description Administrator 18. Oct 2018, 13:41 Created 19. Oct 2018, 14:28 Modified Status **Opened** Inherited Unclassified Inherited Security class Retain Inherited Significance Owner Keywords Categories > Physical properties > Retention > Save Log > More

Image 29: The »Details« tab in the reading mode

4.2.3.1.2 Custom metadata

If using a suitable template, the user with the appropriate rights can predefine the »Custom« metadata when creating or editing an entity.

They are available to the user in open mode in the »Details« tab.

Custom do	cument		×
DETAILS	SECURITY	ACTIVITY	
Title	Custom document		
Description	Document with custom attributes		
Created	🚷 Administrator 19. Oct 2018, 08	8:58	
Modified	23. Oct 2018, 14:50		
Status	Opened Inherited		
Security class	Unclassified Inherited		
Significance	Retain Inherited		
Owner	🧛 Grace Layton		
Keywords			
Categories			
Review date	1. Jan 2019		
User note	Related to 10 years review proced	ure	
> Retention			
> More			

Image 30: Custom metadata in the reading mode

In edit mode the user has the option of editing »Custom« metadata.

Custom docum	ent				×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Title*	Custom docum				
	Mandatory value for	naming entity			
Description	Document with	custom attributes			
Significance	Retain Inherited	1			-
Owner	🧖 Grace Layte	on			-
Keywords	Important words us	ed in entity			
Categories					
Content		Drag a	nd drop files or click		
	Go-To-M	larket report.pdf		67.1 kB	
External Identifiers					
	Custom external en	tity identifiers			
Review date	01/01/2019				
	Expected review dat	e			
User note		ars review procedure			
	User can specify so	me notes			
				SAVE	CANCEL



4.2.3.1.3 System metadata

Unlike the general metadata, which are publicly accessible and can be edited and changed by the user, the system metadata are read-only. The user can access them by selecting the arrow in front of the »More« record.

For more information see chapter **<u>General system attributes</u>**.

Invoice Telekom Slovenije			
DETAILS	SECURITY ACTIVIT	Y	
Title	Invoice Telekom Slovenije		
Description			
Created	🞧 Administrator 18. Oct 2018, 13:41		
Modified	18. Oct 2018, 14:09		
Status	Opened Inherited		
Security class	Unclassified Inherited		
Significance	Retain Inherited		
Owner			
Keywords			
Categories			
✓ Retention			
🕙 10 years			
Inherited			
✓ Valid for 🗧 Clas	ses 🕒 Folders 🎦 Documents		
✓ More			
Classification Code	07/000076		
Template	Document		
Туре	눹 Document		
Permanent	No		
Authenticity evidence	GET		
Accessed	18. Oct 2018, 15:38		
Opened	18. Oct 2018, 13:41		
Identifier	mHiUj-CyorU4JtRp9TrWgsv8V4g57-3r		
External Identifiers			

Image 32: The »Details« tab in reading mode

4.2.3.1.4 Reference

The user with the effective »Change references« permission can add new references, edit and delete them.

In the »References« set the user is shown the references to other entities by clicking on the arrow in front of the name in open mode.

✓ References	
Organization Human Resources and Payroll	
Company Documentation	***



For more information see chapter <u>Adding and editing references</u>.

4.2.3.1.5 Email

In the »Email« set the user is shown the email metadata by clicking on the arrow in front of the name in the reading mode (Open). Only the documents created based on the email template are shown.

For more information see chapter Email attributes.

✓ Email	
Subject	Tak for din interesse - her kan du hente dit uddrag af rapporten
From	to@herbertnathan.com
То	marko.hren@imis.eu
Cc	
Bcc	
Date	31. Aug 2015, 10:37
Message id	<0f48f69e2bb95ece50a94c4347b720d9@dijkstra.p il.dk>
Priority	
Signed	No

Image 34: Email data in the reading mode

In edit mode the user has the option to review email metadata but not to edit them.

	DETAILO	-		OFOURITY	DETENTION	
	DETAILS	EMAIL	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Subject	Tak for din intere	sse - her kan du	hente dit uddrag af rapporten			
From	to@herbertnatha	n.com				
То	marko.hren@ir	nis.eu				
Cc						
Bcc						
Date	31. Aug 2015, 10	:37				
Message id	<0f48f69e2bb95e	ece50a94c4347	b720d9@dijkstra.pil.dk>			
Priority						
· · · · · ·	No					



4.2.3.1.6 Physical content

The »Physical properties« set is available to the user only if the value of at least one attribute has been defined. By clicking on the arrow in front of the name in open mode, the user is shown the physical content metadata.

For more information see chapter <u>Physical content attributes</u>.

 Physical properties 				
Identifier	ID435			
Description	Building 4, Floor 2nd, Room 5, Cabinet 2, Shelf 1			
Status	CheckedOut ,26. Sep 2018, 11:47			
Home location	Brnčičeva 41G			
Current location	Dunajska cesta 56			
Custodian	Alex Nelson			
Return due	28. Sep 2018			

Image 36: Physical content data in the reading mode

In edit mode the user has the option of editing all metadata.

Information about a new payment transaction			×			
	DETAILS	EMAIL	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Identifier	ID435					
Description	Building 4, Floor	2nd, Room 5,	Cabinet 2, Shelf 1			
Status	CheckedOut Status change 26. S	ep 2018, 11:47				•
Home location	Brnčičeva 41G					
Current location	Dunajska cesta	56				
Custodian	Alex Nelson					
Return due	09/28/2018					



4.2.3.1.7 Retention

A user with the »Change retention« effective permission is enabled the adding and editing of retention and disposition hold periods.

In the »Retention« set the user is shown the settings for the selected retention and disposition hold periods in the preview or reading mode by clicking on the arrow in front of the name.

~	Retention
П	egal procedure
Ð 1	10 years + National Archives
	🗸 Valid for 🧧 Classes 📁 Folders 📑 Documents
Ð (5 years
	Not valid for 📑 Documents

Image 38: Retention and disposition hold periods in the »Retention« tab

By clicking on the »Disposition hold« title, a notification window opens, containing the following information:

- Name: unique name of the disposition hold.
- Description: a short description of the disposition hold.
- Reason: the reason for creating a disposition hold.
- Identifier: unique identifier of the disposition hold.

	Legal procedure	
Name	Legal procedure	
Description	Legal procedure in progress, material must be preserved until finished	
Reason	Acive legal procecdure	
Identifier	sSu3eHffAxmazBAvO6_76u1zARP8fDHi	

Image 39: Dialog box with the information on disposition hold

By clicking on the »Retention policy« title, a notification window opens, containing the following information:

- Name: unique name of the retention policy.
- Description: short description of the retention policy.
- Detailed description: detailed description of the retention policy.
- Action: the default action from the list of actions for entity.
- Identifier: unique identifier of the retention policy.
- Mandates: mandates for an individual retention policy.

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The user closes the notification window by selecting the »Done« button.

		*3		
	1	10 years		
Name	10 years			
Description	Dispose after 10 years retention			
Detailed description	Records must be kept 10 years from the end of the year when they were closed			
Action	Dispose			
Identifier	6IxWCwZuYSqIN79iiNsSSpSV62aMbI5j			
Mandates	Description	Size		
	General Instructions	98.8 kB		
	List of personnel	230.8 kB		

Image 40: Dialog box with the information on retention policy

By selecting the icon and the command »Preview« on the mandate record, the content opens for the user in the viewer.

у		×
	Ð	
	10 years	
10 years		
Dispose after 10 years retention		
Records must be kept 10 years from t	he end of the year when they were closed	
Dispose		
61xWCwZuYSqlN79iiNsSSpSV62aMbl	5j	
Description	Size	
C General Instructions	98.8 kB	.
	230.8 kB	
	10 years Dispose after 10 years retention Records must be kept 10 years from t Dispose 6lxWCwZuYSqIN79iINsSSpSV62aMbl Description	IO years Dispose after 10 years retention Records must be kept 10 years from the end of the year when they were closed Dispose 6lxWCwZuYSqlN79iiNsSSpSV62aMbl5j Description Size Image: Construction of the second

Image 41: A dialog box for selecting an action on the mandate

With the command »Preview« the user opens the content.

With the command »Download« the user downloads the mandate to the device.

By selecting the arrow on the notification about a downloaded document, the user can open the popup menu and execute the relevant action.

IMiS [®] /wClient Manual	Version 1.2.18	310	
Open Always open with system viewer Open with system viewer Show in folder Cancel			
General Instructions.pdf		Show all	×

Image 42: An example of selecting a download

The user closes the notification window by selecting the »Done« button.

For more information on editing retention and disposition hold periods see chapter Editing

retention policies.

4.2.3.1.8 Save log

After checking the validity of electronic signatures and digital certificates upon capture, a »Save log« is created. The user can review it in the open mode by selecting the arrow in front of the »Save log« closed set.

For more information see chapter <u>Checking the validity of the digital certificate</u>.



Image 43: A report on checking the validity of electronic signatures and digital certificates

4.2.3.2 The »Security« tab

The »Security« tab is intended for reviewing the access control list (ACL) or the list of explicit permissions of groups or users on the entity and its metadata.

In the preview mode the user is shown a list of the access control list (ACL) for the logged user.



Image 44: The »Security« tab for a logged user in the preview mode

By expanding the display (Show all) under the title of the user or group, the list shows the current status of »Effective permissions« for the selected entity.

NEW OP	PEN 🖌 EDIT	ACTIONS → :■
		10 results
Human Res	ources and Payro	II ×
DETAILS	SECURITY	ACTIVITY
Effective permission	s	
🔇 Keira Clay		
HIDE ALL		
Read	~	
Write	~	
Move	~	
Delete	~	
Create entites	~	
Change permissions	~	
Change security class	~	
Change status	~	
Change retention	~	
Create references	~	

Image 45: A list of effective permissions for the logged user in the preview and reading mode

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

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

In the reading mode the user is shown a list of all users or groups that have been granted at least one explicit permission on the selected entity in the access control list (ACL).

NEW	OPEN	🖌 EDIT	ACTIONS ~	:=	
			9	results	
Hum	- Human Resources and Payroll $ imes$				
DETAILS		SECURITY	ACTIVIT	Y	
Effective perr	nissions				
🔇 Keira Clay					
SHOW ALL					
Permissions					
Creator					
SHOW ALL					
🚺 Keira Clay					
SHOW ALL					
Coner					
SHOW ALL					
🚉 System Adr	ninistrators				
SHOW ALL					

Image 46: A list of users/groups with access rights to the entity in the reading mode

4.2.3.3 The »Activity« tab

The »Activity« tab shows the audit log for the selected entity.

This tab is shown to the user with the »AuditLogQuery« role.



Image 47: The »Activity« tab in the preview and reading mode

The audit log records the following information:

• User: name of the user who performed an action on the selected entity.

By clicking on the user's name, a notification window opens, showing user information.

• Event type: type of event that was performed on the selected entity.

۲	Change permissions	13d or 'anelson': Read: ON; Write: ON; Delete: OFF; : OFF; Create entities: OFF; Move: OFF; s: OFF; Change status: OFF; Change e references: OFF;
	Date	12. Sep 2018, 15:12
	Device name	apps01.imis.si
	Address	192.168.50.15
	Internal address	192.168.80.67

Image 48: User information

- Date: time when an action was performed on the selected entity.
- Device name: name of device, from where the command to perform the action on the selected entity came from.
- Address: the network address from where the command to perform the action on the selected entity came from.
- Internal address: IP address, which is set by opening a new session with the REST service.

When choosing the »Export« command in the right upper button, 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.

4.2.4 Command bar

After the user logs in to the selected archive, the following commands appear in the command bar above the information on the selected entity:

- New: creates a new root class or contained entity.
- Open: opens the selected entity in the reading mode.
- Edit: opens the selected entity in the editing mode.

- »Actions«: contains commands for performing various operations on the selected entity:
 - »Status«: edits the status of the entity via a dialog box,
 which also offers the option to enter the reasons for the changes performed.
 - »Security class«: changes the entity's security class via a dialog box, which requires the user to enter the reasons for the change performed.
 - New reference: adding a connection to another entity in the classification scheme via a dialog box.

For more information see chapter <u>The »Details« tab</u>.

 New version: creating a new version of the selected document in the classification scheme via a dialog box.

For more information see chapter <u>Versioning</u>.

- »Authenticity evidence«: retrieves authenticity evidence for the selected entity.
- »Move«: moves the selected entity around the classification scheme of the archive.
- Delete: deletes the selected entity.
- Export: exports the selected entities of the archive.



Image 49: Command bar above the information of the selected entity

Below the command bar is the search results counter. It displays the number of entities on the list in the central view.



Image 50: The search results counter

4.2.5 Menu functions

4.2.5.1 User and application information

By selecting the arrow next to the user's name, the following commands are available in the

popup menu:

- Profile: information about the user.
- About: information about the application and license agreement.
- Log out: log out from the application. After logging out of the selected archive, a dialog box appears for the user to log in again to the selected archive.

	😧 Keira Clay 🗸
-	Profile
0	About
€	Log out

Image 51: Popup menu in the header of the user interface

4.2.5.1.1 User profile

By selecting on »Profile«, a dialog window opens, showing the following user details:

- Description: a short description of the user.
- Type: type of user (user, group).
- First name: the first name of the user.
- Last name: the last name of the user.
- Email: the email address of the user.
- Security class level: the security class level of the user.
- Identifier: the unique identifier of the user.

Keira Clay		×
	ACTIONS	~
	Keira Clay	
Description	IT - Human Resources assistance	
Туре	USER	
First name	Keira	
Last name	Clay	
Email	keira.clay@acme.com	
Security class level	Restricted	
Identifier	kclay	
	SAVE CANC	EL

Image 52: Display of the window with user details

By clicking on the »Actions« button in the top right of the window, the following options are available to the user in the popup menu:

- Change avatar: selecting a new image file from the file system. The change becomes effective as soon as the file selection is confirmed.
- Remove avatar: removal of the existing image. After the removal it is replaced by the default image.
- Change password: changing the existing user password with a new one.

The user confirms the change of password with the »Change password« button.

	CHANGE PASSWORD	CANCEL
[[·	Confirm new password	Confirm new password

Image 53: Display of the window for changing the user password

4.2.5.1.2 About

More information on the »About« command is available to the user in the chapter <u>About</u>.

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4.2.5.1.3 Log out

By selecting the »Log out« command, the user logs out of the archive. A login window appears for logging in to the archive. For more information see chapter Login and logout.

4.2.5.2 Display of entities

By selecting the icon is to the right of the command bar, the user can define the display mode for the list of entities.



Image 54: Setting the display of entities

4.2.5.2.1 View mode

In the »View mode« set the user defines how the entities are displayed in the central view.

The two available options are:

- List
- Grid.

IMiS/Archive Server		NEW	OPEN	EDIT ACTIONS ~ 🖼
Title	Classification Code	Description	Modified	VIEW MODE
lite	classification code	Description	Modified	 List
Administration	01	Administration	24/9/2018	Grid
- Finance	02	Account payable, Accounts receiv	20/9/2018	CATEGORIZE BY Category
Supply Chain management	03	Supply planning and scheduling r	12/9/2018	Keywords
Custom Relationship Management	04	Customer and Business partner r	24/9/2018	VIEW Classification Code
Human Resources and Payroll	05	Employee records	20/9/2018	 Description
Projects	06	IMiS projects	24/9/2018	✓ Modified






4.2.5.2.2 Categorization

In the »Categorize by« set the user defines how the entities are classified in the central view. Categorization enables a view of entities belonging to the same category at the same hierarchical level.

Two categorization options are available:

- Category
- Keywords.

Grace Juncker letters			
DETAILS	SECURITY	ACTIVITY	
Title	Grace Juncker letters		
Description	Grace Juncker complaints		
Created	🥋 Administrator 25. Sep 20	018, 13:24	
Modified	6. Nov 2018, 08:47		
Status	Opened Inherited		
Security class	Confidential Inherited		
Significance	Retain Inherited		
Owner	🔇 Keira Clay		
Keywords	letter		
Categories	employee		
> Retention			
> More			

Image 57: An example of an entity with a defined value of the »Categories« attribute

If the value of the »Categories« attribute has been defined, the central view shows the user a list of entities classified into the same category at a specific hierarchical level.

NS/Archive Server > Custom Relationship Ma > Complaint	NEW	OPEN ✓ EDIT	ACTIONS ~ 2 res
le 🔺	Mark H	lopkins letters	2100
employee	Marki		
Grace Juncker letters	DETAILS	SECURITY	ACTIVITY
	Title	Mark Hopkins letters	
Mark Hopkins letters	Description	Mark Hopkins complaints	
	Created	🥋 Administrator 25. Sep	p 2018, 13:22
	Modified	6. Nov 2018, 09:02	
	Status	Opened Inherited	
	Security class	Confidential Inherited	
	Significance	Retain Inherited	
	Owner	🧖 Grace Layton	
	Keywords		
	Categories	employee	
	> Retention		
	> More		

Image 58: A categorized »Categories« view

If the value of the »Keywords« attribute has been defined, the central view shows the user a list of entities with the same keyword at a specific hierarchical level.

MIS/Archive Server > Custom Relationship Ma > Complaint	NEW	OPEN 🖌 EDIT	ACTIONS ~ 2 resu
tle ^	• • • • •	uncker letters	
Not categorized	Grace J	uncker letters	
letter	DETAILS	SECURITY	ACTIVITY
Grace Juncker letters	Title	Grace Juncker letters	
	Description	Grace Juncker complaints	
	Created	🧛 Administrator 25. Sep	2018, 13:24
	Modified	6. Nov 2018, 08:47	
	Status	Opened Inherited	
	Security class	Confidential Inherited	
	Significance	Retain Inherited	
	Owner	🔇 Keira Clay	
	Keywords	letter	
	Categories	employee	
	> Retention		
	> More		

Image 59: A categorized »Keywords« view

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4.2.5.2.3 View

In the »View« set the user defines which columns of the selected attributes will be displayed in the central view. The user can add or remove the following columns of the selected attributes:

- Classification code
- Description
- Modified.

IMIS/Archive Server	NEW ⊙ OPEN ✓ EDIT ACTIONS ✓ III 12 results
Title	Description
Z Administration	Administration
Finance	Account payable, Accounts receiveable, Banking, Budgeting, Payments
Supply Chain management	Supply planning and scheduling records
Custom Relationship Management	Customer and Business partner records
Human Resources and Payroll	Employee records

Image 60: Display of the columns of the selected attributes of »Title« and »Description«

4.2.6 Search

Located above the central view in the header of the user interface is the »Search« field.

It enables the user to search by the metadata of selected entities and to search by the entire

text of the content of documents over the entire archive.

For more information on search options see chapter Search functions.

4.3 Actions

This chapter describes the actions of the IMiS[®]/wClient on the selected archive:

- Entity access
- Creating an entity
- Editing entity data
- Entity move
- <u>Content management</u>
- Versioning
- <u>Search functions</u>
- <u>Archiving email messages</u>
- <u>Acquiring authenticity evidence</u>

- Import
- Export
- <u>Deleting an entity</u>.

4.3.1 Entity access

Access to the entity in the classification scheme depends on the security class of the entities, the user's security class level, and the user's access right.

For more information on security classes see chapter Access in the IMiS®/ARChive Server user manual. For changing the security class of the entities see chapter <u>Changing the security</u> <u>class</u>.

When logging into the selected archive, the root classes of the archive to which the user has the »Read« right are read from the IMiS®/ARChive Server.

The user is shown the root classes in the »Archive« folder in the left view and in the list of contained entities in the central view.

By selecting a root class, the tabs in the right view, where the entity information is located, show only the publicly accessible information on the class. For more on the content of tabs see chapter <u>Entity information</u>.

By selecting the »Open« command in the command bar, all of the data to which the user has read permissions are read from the server. The same applies to the access to entities contained in the archive's root classes.

A user with the »Write« permission on the selected entity can select the »Edit« command in the command bar. The same data are shown in the tabs as when selecting the »Open« command. The user can edit and change the values of attributes that are not tagged on the server as read-only. For more information see chapter Editing entity data.

4.3.2 Creating an entity

The user can create root classes and sub-entities in the IMiS[®]/wClient, if he has the »Create entities« right on the selected class or folder.

For faster capturing and classifying of entities to appropriate places in the classification scheme, it is recommended that users separate (organize) the documents by type before capture.

Documents separation is performed by classifying documents into the appropriate templates in the classification scheme. Each template has predefined attributes, which are set by the administrator in the settings of the IMiS®/ARChive Server. The user must enter the mandatory attributes before saving.

For more information on security classes see chapter Templates in the IMiS[®]/ARChive Server Manual.

<u>Example</u>: When creating entities, 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).

4.3.2.1 Creating a new entity

Besides the »Create entities« permission, the user has to have the »Change retention« permission to create new entities.

4.3.2.1.1 Creating a root class

By selecting the »Archive« folder in the left view, the user can add a new root class to the entities list. The user does that by selecting the »New« command in the command bar, entering the values of attributes, defining the retention policy and confirming »Create«.

Create Class				×
_	DETAILS	SECURITY	RETENTION	
Parent	root			
Template*	Class			•
Title*	Production			
	Mandatory value for naming entity			
Description	Production documents			
Status	Inherited			•
Security class	Inherited			-
Significance	Inherited			•
Owner	Caroline Irwin			•
Keywords	production ×			
	Important words used in entity			
External Identifiers				
	Custom external entity identifiers			
Classification Code Generated	Automatic			•
			CREATE	CANCEL

Image 61: Creating a root class

4.3.2.1.2 Creating subentity

In the classification scheme in the left view or in the entities list in the central view the user selects the entity into which he wants to classify a new class, folder or document. The user does that by selecting the »New« command in the command bar, same as when creating a root class.

IMiS/wClient	Search	۹. ≇		🧖 Administrator 🗸
✓ I Archive ✓ Administration	IMiS/Archive Server > Custom Relation	nship Ma > Complaint	NEW 🥹 OPEN	✓ EDIT ACTIONS ~ I≡ 3 results
👻 💼 Company Documentati	Title	Description	Modified	
General	Jill Huston letters	Customer complaints	25/9/2018	
Company Formation	Mark Hopkins letters	Mark Hopkins complaints	25/9/2018	
Organizational Structur Authorities	Grace Juncker letters	Grace Juncker complaints	25/9/2018	

Image 62: Display of contained entities.

The user is shown a dialog box with the relevant tabs and set of attributes based on the selected template. In the »Details« tab the following attributes are available to the user:

- Parent: the name of the parent entity. This attribute is read-only.
- Template: a set of available templates for creating allowed entities and classifying them under the selected class or folder. The attribute value is mandatory.

- Title: name of the entity. The attribute value is mandatory.
- Description: short description of the entity.
- Status: the status of the entity.
- Security class: a set of available entity security classes based on the entity's position in the classification scheme.
- Significance: a set of available entity significances.
- Owner: a directory entity (user or group) entity that is responsible for the selected entity (owner).
- Keywords: entity-related keywords. This attribute can have multiple values.
- Categories: the entity view mode.
- Content: document contents. This attribute is available only for document-type entities.
- External identifiers: a list of the unique external identifier of the entity on the server.
- Classification code generated: the type of classification code entry for the contained entities of the parent class.
- Custom attributes: additional custom attributes. The selection of attributes depends on the selected template.

	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Parent	Production				
Template*	Document (0	Custom)			-
Title*	Product #4252 re				
Description	Mandatory value for r	product with code name #4252 r	release		
Status	Inherited				•
Security class	Top Secret				•
Significance	Permanent				•
Owner	👙 Jerry Turner				•
Keywords	product ×	plan ×			
Categories	production ×				
Content		Drag	and drop files or click		
External Identifiers	65756756 ×				
Review date	Custom external entit	ty identifiers			
				CREATE	CANCEL

Image 63: Display of creating a new document with custom attributes

<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.

4.3.2.2 Entering entity metadata

The »Details« tab in the »Create entity« dialog box contains a list of all attributes of the class, folder or document, which can be entered by the user.

Required attributes are marked with an asterisk and must be entered before saving.



Attribute entry fields are as follows:

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

```
Description Document, 1st Floor, Cabin 1, Shelf 4, Upper right
```



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



Image 66: Entry of date and time metadata

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



- 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 spaces. The user has the option of removing individual keywords by clicking on the cross next to the word.
- 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 spaces.

Keywords	ConfCalls 🗙	Meetings 🗙	Updates 🗙
	Important words use	ed in entity	



After entering all of the required and desired attribute values in the »Details« tab, the user continues by entering the values in the remaining tabs.

4.3.2.3 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 or folder.

In the preview or open mode, the information about the classification code of an existing entity is located in the »Details« tab in the set »More«.

In the editing mode, the drop-down list of the field »Child classification code generation« allows the user to set the entry type for the selected class or folder:

- Automatic: The classification code of child entity is 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: The classification code of child class or folder entity must be entered manually by the user. This classification code may be any combination of letters and numbers, providing it is unique inside the entire parent class.

Classification Code Generated	Automatic	~
	Automatic	
	Manual	

Image 69: Selecting the type of classification code entry for the contained entity

If the parent class or folder 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.

<u>Example</u>: (see below) Inside a class with the classification code »01.02«, the user creates a new folder for which user manually input »IS-EXP-1000« as the relative part of the classification code. When the folder is saved to the IMiS®/ARChive Server, its full classification code will be »01.02.IS-EXP-1000«.

	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Parent	Export				
Template*	Document				•
Title*	Information abou	t new payment			
	Mandatory value for r	aming entity			
lassification Code*	IS-EXP-1000				
	Mandatory entity clas	sification code			
Description	Information abou	t a new payment transaction rec	orded in the PayU Sys	tem	
Status	Opened Inherited	1			-
Security class	Restricted Inheri	ted			-
Significance	Retain Inherited				•
Owner	🧖 John Smith				•
Keywords					
	Important words used	d in entity			
Categories					
Content		Drag ar	ad drop files or click		
	Invoice_T	elekom Slovenije.tif		1.1 MB	
External Identifiers					

Image 70: Manual entry of a child entity's classification code

on abou 24/10/2018

Image 71: Display of manually entered classification code

4.3.2.4 Setting an entity's security class

This setting hides entities from users whose security class level is not high enough to access them. The user with the »Create entities« permission can specify a new »Security class« for new entities in the »Details« tab in the »Create entity« dialog box.

Security Class	Inherited
Significance	Inherited
Owner	Unspecified
Keywords	Top Secret
	Secret
External Identifiers	Confidential
	Restricted



Security classes are predefined, and range from lowest to highest as follows:

- »Inherited«: The security class is implicitly inherited from the parent entity.
 In case of root classes, the inherited security class value is empty.
- »Unspecified«: Access to this entity is not specified.
- »Restricted«: The entity is an internal matter. It may only be accessed by users with a clearance level »Restricted« or higher.
- »Confidential«: The entity is considered confidential. It may only be accessed by users with a clearance level »Confidential« or higher.
- »Secret«: The entity is considered secret. It may only be accessed by users with a clearance level »Secret« or higher.
- »Top Secret«: The entity is considered top secret. It may only be accessed by users with a »Top Secret« clearance level.

4.3.2.5 Entering the status of an entity

The user with the »Create entities« permission can specify the »Status« of new entities in the »Details« tab in the »Create entity« dialog box.

The user can choose from predefined values for the status of an entity:

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

IMiS®/wClient Manua	al	Version 1.2.1810
, Create entity	DETAILS PHYSICAL PROPERTIES SECURITY RETENTION	×
Parent	Export	
Template*	Document	~
Title*	Export payment transaction Mandatory value for naming entity	
Classification Code*	IS-EXP-300 Mandatory entity classification code	
Description	Information on export payment transaction	
Status	Opened Inherited	
Security class	Opened Inherited	
Significance	Closed	
Owner	🚱 Keira Clay	•
Keywords	payment × Important words used in entity	
Categories	export ×	

Image 73: Specifying the status of a new entity

Drag and drop files or clic

CREATE

CANCEL

4.3.2.6 Entry of physical content metadata

External Identifiers

In the case of a document- or folder-type entity, information about the physical content is also available to the user in addition to the above-mentioned information when in open or edit mode.

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. Entry of physical content metadata is possible upon capture/import, or later when the content is already stored in electronic form.

By selecting the »Physical Content« tab in the editing mode, a list of attributes, referring to the description of physical content, appears.

IMiS [®] /wClient Manual		Version 1.2.1810
, Create entity	DETAILS PHYSICAL PROPERTIES SECURITY RETENTION	×
Identifier	ID534	
Description	Building 4, Floor 2nd, Room 5, Cabinet 2, Shelf 1	
Status	CheckedOut	•
Home location	Brodway street 1070, Manhattan, New York	
Current location	Denver street 500, Denver, Colorado	
Custodian	John Cusack	
Return due	09/30/2018	
	CREATE	CANCEL

Image 74: Display of the entry of physical content metadata

The user can specify all of the attribute values except for »Date of status change«, which is automatically filled in with the date of the last change of the »Status« attribute. When capturing physical content, set the »Status« to the »CheckedIn« value.

For more information on physical content attribute description see chapter <u>Physical content</u> <u>attributes</u>.

Status	CheckedOut	•
	Status change 27. Sep 2018, 11:30	



4.3.2.7 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. Only a user with the »Change retention« permission can add retention and disposition hold periods. The user adds retention and disposition hold periods by selecting the command »Add« in the top part of the view.

For each retention period the user specifies the validity and type of entity to which it refers:

- »Classes«: the retention period is valid for all classes under and including the selected entity.
- »Folders«: the retention period is valid for all folders under and including the selected entity.
- »Documents«: the retention period is valid for all documents under the selected entity.

The retention period can be valid for or not valid for a specific type of entity.

🕙 10 years	Valid for 🔹	CLASSES	FOLDERS	DOCUMENTS	ii -
	Valid for				
	Not valid for				

Image 76: Selecting validity for a specific type of entity

After creating an entity, the effective retention periods are ticked in front of the information about the validity of individual types of entities.

Create Document					×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
	RETEN	TION POLICY	DISPOSI	TION HOLD	
10 years	•	ADD 🚺			
10 years		\checkmark	Valid for	Classes Documents	

Image 77: Display of the »Retention« tab

The user can add retention periods and disposition holds by selecting the »Add« command.

IMiS [®] /wClient N	lanual					`	Version 1.2.1810
	Create entity	DETAILS F	PHYSICAL PROPERTIES	SECURITY R		×	
	10 years		ADD 👔				
	 10 years 	~	Valid for	Classes Documents			
	Permanent		Valid for •	CLASSES FOLDERS	DOCUMENTS	Î	
					CREATE	CANCEL	

Image 78: Display of changing retention periods

4.3.2.8 Saving an entity

Before saving and entity, the user has to enter all of the mandatory metadata and specify an effective retention period. The user saves the entity to the IMiS®/ARChive Server by selecting the »Create« command in the bottom part of the dialog window.

Create Docume	ent				×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Parent	Export				
Template*	Document				•
Title*	Product #5127 ex	port to Asia			
	Mandatory value for n	aming entity			
Classification Code*	IS-EXP-1100				
	Mandatory entity class	sification code			
Description	Export product #5	5127 to Asian countries			
Status	Opened Inherited				-
Security class	Restricted Inherit	ted			-
Significance	Retain Inherited				•
Owner	🧑 Ron Salazar				-
Keywords	asia 🗙				
	Important words used	I in entity			
Categories	export ×				
Content			6		
		Drag ar	nd drop files or click		
External Identifiers					
	Custom external entity	y identifiers			
				CREATE	CANCEL



Troubleshooting:

Most frequent errors when saving:

- The value of a mandatory attribute was not specified.
- The entered attribute value does not correspond to the limitations prescribed by the attribute.

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.





• »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

27. Sep 2018, 14:49

Image 84: Example date and time of last access to the entity

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

> Opened 27. Sep 2018, 14:49 Image 85: Example date and time an entity was opened

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

Closed 27. Sep 2018, 15:01

Image 86: Example date and time an entity was closed

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

Identifier Jjgoyu4LBNJkT0HSu9aMalwQt-IYIuzH



4.3.3 Editing entity data

Changing data about an entity in the IMiS[®]/wClient 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 command bar.

The user edits the selected entity using the »Edit« command in the command bar.

A dialog box opens with the attributes and their values.

The value can be text, date, logical or one of the predefined values, which may be multiple.

4.3.3.1 Editing entity metadata

In the »Details« tab the user can edit the attribute values.

The selection of attributes is defined by the selected template.

For more information on the set of editing metadata see chapter Creating subentity.

4.3.3.2 Editing content

In the »Details« tab the user edits document contents.

For more information on editing contents see chapter <u>Content management</u>.

4.3.3.3 Editing physical content metadata

In the »Physical Content« tab the user edits the metadata referring to the location of the physical content. The metadata are not mandatory for archiving physical content. Physical content metadata can be entered for a folder or document. For more information on editing physical content metadata see chapter <u>Physical content attributes</u>.

The user can edit the following values of physical content attributes:

- Identifier: unique identifier of the physical content.
- Description: description of the physical content.
- Status: the current status of the physical content.
- Home location: the home location of the document's physical content.
- Current location: the current location of the document's physical content.
- Return due: return date and time of checked out physical content.

Information abo	ut a new pay	ment trans	action			×
	DETAILS	EMAIL	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Identifier	ID534					
Description	Building 4, Floo	or 2nd, Room 5,	Cabinet 2, Shelf 1			
Status	CheckedOut					-
	Status change 28.	Sep 2018, 10:56				
Home location	Broadway stree	et 10170, Manha	attan, New York			
Current location	Denver street 5	500, Denver, Colo	orado			
Custodian	John Cusack					
Return due	09/30/2018		1			

Image 88: Editing of the physical content metadata

By changing the value of the »Status« attribute and saving the entity, the »Status Change« is written below the value field. »Status Change« is automatically filled in with the date of the last change of the »Status« field.

The user can change the value of the »Status« attribute to »CheckedIn« when checking in physical content or to »CheckedOut« when checking out physical content.

Managem	nagement Report 02/29/00 ×							
DETAILS	PHYSICAL PROP	YSICAL PROPERTIES SECURITY						
	Identifier	ID435						
	Description	Report for 2000						
	Status	edin 👻						
	Home location	Checkedin						
	Current location	CheckedOut Siovenia, Ljubijana, Brnciceva 416						
	Custodian	Carl Dood						

Image 89: Popup menu for selecting the status of the physical content

4.3.3.4 Editing access rights

The user with the »Change permissions« permission can edit the access control list (ACL) for the entity or a selected metadata for a directory entity (user, group, attribute of directory entity type). The list shows only those directory entities that have been granted at least one explicit permission on the selected entity.

The »Permissions« field is located above the list of editing permissions. The default value is »Entity«, with which the access control list (ACL) is associated.

4.3.3.4.1 Editing access rights for an entity

By selecting the »Edit« button in the command bar, a dialog box opens showing effective permissions on the entity for the selected directory entity or the given directory entity contained in the mentioned attribute of the directory entity type.

Information about new payment					×
DETAILS PHYSICAL	. PROPERTI	ES SECURI	тү	RETENTION	
- • ADD		Pe	rmissions	Entity	•
Search	Permission	Effective	Inherited	Explicit	
Creator	Read	~	Allow	ALLOW DENY	
Main Olay	Write	\checkmark	Allow	ALLOW DENY	
😨 Keira Clay	Move	~	Allow	ALLOW DENY	
C Owner	Delete	~	Allow	ALLOW DENY	
🚜 System Administrators	Create entit	es 🗸	Allow	ALLOW DENY	
	Change permissions	s 🗸	Allow	ALLOW DENY	
	Change security clas	ss 🗸	Allow	ALLOW DENY	
	Change stat	tus 🗸	Allow	ALLOW DENY	
	Change retention	~	Allow	ALLOW DENY	
	Create references	~	Allow	ALLOW DENY	
	Allow	Valid from 10/24/2018 00:00		Valid to 10/24/2018 23:59	
	Deny	Valid from		Valid to	
	Deny				
				SAVE	NCEL

Image 90: »Security« tab in editing mode

The left part of the view contains a list of directory entities with access rights to the entity. In the event of a greater number of directory entities, search is enabled via a search box. If a specific group, user or an attribute of directory entity type, that is registered on the IMiS®/ARChive Server is not mentioned on the list, the user with permission can select and add them using the »Add« button.

<u>•</u> - •	ADD
Search	
Creator	
😵 Keira Clay	
Cowner	
📇 System Administrators	

Image 91: List of directory entities with access rights to the entity

In the right part of the view a list of entity editing permissions is shown for the selected directory entity or an attribute of directory entity type.

In the »Explicit« column the user selects »Allow« to add an explicit permission, or »Deny« to revoke a permission. The user can specify explicit permissions for any registered directory entity or an attribute of directory entity type.

The »Inherited« column shows the values of access permissions inherited from the parent hierarchy.

The »Effective« column shows the current state of effective permissions for the selected group or user over the entity.

In the date field the user with the appropriate rights can limit the validity of permissions with regard to the »Valid from« and »Valid to« date for the selected directory entity or for the given directory entity contained in the mentioned attribute of the directory entity type.

Information about new payment						×
DETAILS PHYSICA	L PROPERTIES	SECURI	тү	RETENTION		
🐢 John Smith 🔹 🗖 ADD		Pe	rmissions	Entity		•
Search	Permission	Effective	Inherited	Explicit		
Creator	Read			ALLOW	DENY	
🖪 John Smith 📋	Write			ALLOW	DENY	
	Move			ALLOW	DENY	
💽 Keira Clay	Delete			ALLOW	DENY	
C Owner	Create entites			ALLOW	DENY	
📇 System Administrators	Change permissions			ALLOW	DENY	
	Change security class			ALLOW	DENY	
	Change status	;		ALLOW	DENY	
	Change retention			ALLOW	DENY	
	Create references			ALLOW	DENY	
	Allow	lid from 7/01/2018 10:40	8	Valid to 09/30/2018	3 10:40	8
	Deny	lid from	É	Valid to		
				SAV	E (ANCEL



In the case of the directory entity type attributes, the permission is effective for the respective value in the mentioned attribute in the context of the entity in question. Therefore,

a permission does not have the same effect on all child entities, but rather sets the permission for all users and/or user groups mentioned in the value of the attribute to which the access permission refers. Permissions have no effect on system directory entities.



Image 93: A list of access permissions for a specific attribute

4.3.3.4.2 Editing access rights for metadata

The »Permissions« field is located above the list of editing permissions.

Instead of the »Entity« default value, the user can select one of the metadata with which the access control list (ACL) is associated.

Information about new payment					×
DETAILS PHYSICAL	PROPERT	IES SECURI	тү	RETENTION	
Creator - ADD		Pe	rmissions	Entity	•
				Entity	
Search	Permissior		Inherited	inde	
Creator	Read	~	Allow	Description	
	Write	~	Allow	Significance Owner	
🐢 John Smith 👔	Move	~	Allow	Keywords	
🛞 Keira Clay	more		7.001	Review date	
	Delete	~	Allow	ALLOIT DENT	
Cwner	Create enti	tes 🗸	Allow	ALLOW DENY	
😩 System Administrators	Change permission	is 🗸	Allow	ALLOW DENY	
	Change security cla	ass 🗸	Allow	ALLOW DENY	
	Change sta	atus 🗸	Allow	ALLOW DENY	
	Change retention	~	Allow	ALLOW DENY	
	Create references	~	Allow	ALLOW DENY	
	Allow	Valid from		Valid to	
	Allow	10/24/2018 00:00	8	10/24/2018 23:59	
	Deny	Valid from		Valid to	
					_
				SAVE CANO	EL

Image 94: Popup menu for selecting access rights to a selected metadata

The left part of the view contains a list of users with access rights to the selected metadata. User selects a directory entity to which it wants to grant access rights. In the event of a greater number of directory entities, search is enabled via a search box. The user adds it to the list using the »Add« button.

In the right part of the view a list of metadata editing permissions is shown for the selected directory entity. In the »Explicit« column the user selects »Allow« to add an explicit permission, or »Deny« to revoke a permission.

Information about	new paymei	nt						×
	DETAILS	PHYSICAL	. PROPERTII	ES SECUR	RITY	RETENTION		
🔇 Keira Clay	•	ADD		F	ermissions	Title		•
Search			Permission	Effective	Inherited	Explicit		
😨 Keira Clay			Read			ALLOW	DENY	
			Write			ALLOW	DENY	
			Create			ALLOW	DENY	
			Delete			ALLOW	DENY	
			Allow	/alid from 10/01/2018 10:4	8	Valid to 10/31/2018	3 10:48	
			Deny	alid from		Valid to		
						SAV	E C	ANCEL

Image 95: List of user permissions on the selected metadata

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 date field the user with the appropriate rights can limit the validity of permissions with regard to the »Valid from« and »Valid to« date for the selected directory entity.

The user confirms the changes to the explicit permissions with the »Save« command or cancels them with the »Cancel« button.

4.3.3.5 Editing retention policies

The user with the »Change retention« permission can edit the retention periods and disposition holds of the selected entity by selecting the »Edit« command.

A new window opens containing the tabs:

- Retention policy: entity retention policy list.
- Disposition hold: entity disposition hold list.

In the central view of the contained »Retention policy« tab is a list of retention periods for the selected entity. The user can edit only the explicit retention periods.

The inherited retention periods cannot be edited.

Export paymer	nt transaction				×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
	RETEN	TION POLICY	DISPOSI	TION HOLD	
10 years	•	ADD			
10 years	~	Valid for	Classes Doc	cuments	
5 years		Valid for 👻	CLASSES		i i

Image 96: The »Retention policy« tab in editing mode

If the retention period is not given on the list, the user can select and add it using the »Add« button in the top part of the view.

For each retention period the user specifies the validity and type of entity to which it refers:

- Classes: the retention period is valid for all classes under and including the selected entity.
- Folders: the retention period is valid for all folders under and including the selected entity.
- Documents: the retention period is valid for all documents under the selected entity.

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The retention period can be valid for or not valid for a specific type of entity.

5 years 1	Valid for 🔹	CLASSES	FOLDERS	DOCUMENTS	Û
	Valid for				
	Not valid for				

Image 97: Selecting validity for a specific type of entity

The user can remove explicit retention periods from the list by clicking on the icon **a** the end of the record of an individual retention period.

The user confirms the changes to the retention periods with the »Save« command or cancels them by selecting the »Cancel« command.

In the central view of the contained »Disposition hold« tab is a list of disposition holds for the selected entity.

Export payment	transaction				×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
	RETEN	TION POLICY	DISPOSIT	TION HOLD	
	•	ADD ()			
II Legal procedure					Û

Image 98: The »Disposition hold« tab in editing mode

If the disposition hold is not given on the list, the user can select and add it using the »Add« button in the top part of the view.

The user can remove disposition holds from the list by clicking on the icon 📕 at the end of the record of an individual disposition hold.

The user confirms the changes to the disposition holds with the »Save« command or cancels them by selecting the »Cancel« command.

4.3.3.6 Changing the status of an entity

For changing the status of an entity, the user has to have the »Change status« permission on the entity. The user can change the current status on existing entities by selecting the »Actions« command in the command bar and the »Status« action in the popup menu.



Image 99: The popup menu for selecting the »Status« command

In the »Change status« dialog box in the »Status« field the user selects the desired status from the drop-down menu.

For more information on the set of predefined values for the entity's status see chapter

Entering the status of an entity.

Change status	3	×
Status	Opened Inherited -	
Reason	Opened Inherited	
	Opened	
	Closed	

Image 100: Selecting the status and giving the reason for the change

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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 »Save« button.

Change status		×
Status	Closed	•
Reason	Changes are not allowed	
	SAVE CA	NCEL

Image 101: Selecting the status and giving the reason for the change

4.3.3.7 Changing the security class

To change an entity's security class, the user must have the »Change security class« access right on the entity.

The user can change the current security class on existing entities by selecting the »Actions« command in the command bar and »Security class« in the popup menu.



Image 102: The popup menu for selecting the »Security class« command

In the »Change security class« dialog box in the »Security class« field the user selects the desired security class from the drop-down menu.

For more information on the set of predefined values for the entity's security class see chapter <u>Setting an entity's security class</u>.

Change secur	ity class	×
Security class	Secret	•
Reason*	Restricted Inherited	
	Unspecified	
	Secret	
	Confidential	
	Restricted	
	Unclassified	

Image 103: Selecting the security class

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

Change secur	ity class	×
Security class Reason*	Secret Only few employees can have access to this document	
	SAVE CANC	EL

Image 104: Selecting the security class and giving the reason for the change

4.3.3.8 Adding and editing references

References enable a user to establish connections between entities and instantly move to other entities in the classification scheme.

To add references on an entity the user must have the »Create reference« permission.

The user can add a reference on existing entities by selecting the »Actions« command in the command bar and »New reference« in the popup menu.

Note: Functionality is supported in IMiS/ARChive Server version 9.9 or higher.

NEW OPEN		e EDIT	ACTIONS	~ :=
	Ô	Status		results
- Organizational	0	Security cl	ass	×
DETAILS		New refere	ence	Y
	/	New versio	on	_
Title Orga	ß	Authentici	ty evidence	
Description	_			
Status Oper	÷	Move		
Security class	Î	Delete		
Significance Vital	Ľ	Export		
Owner				
Keywords				

Image 105: The popup menu for selecting the »New reference« command

The user is shown a dialog box for adding a reference.

New reference		×
	Human Resources and Payroll Organizational Structure	
	Search for entity	
		More 🗸
	SAVE	CANCEL

Image 106: The dialog box for adding and editing a reference

By selecting »Search for entity«, an entity tree opens for the user in the dialog box. By confirming the selection of the relevant entity (Add), the user establishes a reference between the entities.

IMiS [®] /wCli	ent l	Vanual			Versio	in 1.2.1810
	Sel ←	ect entity Complaint			×	
		Grace Juncker letters	04.06-2018-000003			
		Jill Huston letters	04.06-2018-000001			
	•	Mark Hopkins letters	04.06-2018-000002			
			AD	D C	ANCEL	

Image 107: Selecting »Search for entity« in the »New reference« dialog box

By selecting »More« in the dialog box, the user is shown two fields for entering the values of the attributes »Title« and »Description« of the reference.

The two attributes are not mandatory. If their values are empty, the fields stay hidden. The title of the reference is simply the name of the reference, if there is no reference title and there is only one entity in the reference. If there is more than one entity in the reference, they are shown below the title of the reference.

New reference		×
	Human Resources and Payroll Organizational Structure	
	Jill Huston letters Search for entity	
Title	Huston complaint	
Description	Jill Huston complaint letter SAVE CAN	CEL

Image 108: Adding the »Title« and »Description« in the »New reference« dialog box

The reference can be removed by selecting the icon **I** at the end of the record of each reference.



Image 109: Removing a reference before saving

<u>Note:</u> Saving is enabled in the dialog for editing a reference if at least 2 entities are displayed. A reference with a single entity cannot be saved.

References between entities are visible to the user in the set »References« in the »Details« tab in the right view. The user can edit the reference in the preview mode or in the open mode by

selecting the icon 👘 at the end of the reference record.

One exception is a document classified under a folder, in which case the set »References« is visible only in open mode.

By selecting the »Edit« command, the user can edit existing references or add new ones.

By selecting the »Delete« command, the user removes the reference from the list.

The user cannot delete an entity that contains a reference which the user is editing.

✓ References		
😔 Huston complaint Jill Huston co	1.5	
Organizational Structure		Edit
Jill Huston letters	Î	Delete
🕒 Organization Employee hierarch,		
Organizational Structure		

Image 110: A dialog box for selecting an action on the reference

4.3.4 Entity move

The IMiS[®]/wClient 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, and then the »Move« command, which is available via:

- »Actions« command in the command bar.
- popup menu on the entity chosen from the list of contained entities.

Conf Call w/Wade Doshier - IN	1.5: × +				- 0
→ C A https://app	ps01.imis.si/wclient/1.2.1810.2-beta/#/archive/iarc/entities/r3	Mqq1UivYQJYUKufztXT3oEUojeUbyM			~ ☆ €
Apps 🎄 IMiS/wScan Apps0	1				
MiS/wClient	Search	Q #			🚷 Administrator 🗸
Archive	IMiS/Archive Server > Finance > Accou	ints Payable > Incomming Invoices	> Conf Call w/Wade Doshier	NEW @ OP	
My entities Drafts	Title	Description	Modified	Meeting with	Status Status
	Meeting with Vince set for 1 PM Monday, A	Apri 3.364233.AFGO2WOKDDGQS	4/12/2017	DETAILS	New reference
Administration	Check where day ahead came out!	3.591055.IGEJW1SEANH4K1	4/12/2017		New version
Reviews Export	Re: FW: GMM - 30 Mar 2001	3.319181.IRUNIX4IUVOPDE	4/12/2017	Description	3.36 DH JND Move
↗ Import Ĩ Trash	Do not schedule anything	3.1111809.NJPC3VWZY5RE	4/12/2017	Status	Delete
Disposed	Video Conf Call w/ Conquest EB	3.1121420.IMLZTBMGHOVZ	4/12/2017	Security class Significance	⊯′ Export
P Queue	Direct Report Conf Call 713-853-3233, pass	sco 3.1088009.HZEKIKPQDR1DZ	4/12/2017	Owner . Keywords	Jure Puhek
	Board of Dir Mtg.	3.1099274.HGUN03ZZICV0C	4/12/2017	Categories	

Image 111: Selecting the »Move« command via the »Actions« command in the command bar

🏚 Conf Call w/Wade Doshier - IN	Ais × +				- 0 >
> C 🗎 https://ap	ps01.imis.si/wclient/1.2.1810.2-beta/#/archive/iarc/enti	ties/r3Mqq1UivYQJYUKufztXT3oEUojeUbyM			or 🕁 😝
Apps 🔹 IMiS/wScan Apps0	1				
IMiS/wClient	Search				😚 Administrator 🗸
Archive My entities	IMiS/Archive Server > Finance > A	Accounts Payable > Incomming Invoice	es > Conf Call w/Wade Doshier	NEW @ OPEN	✓ EDIT ACTIONS ✓ I≡
Drafts	Title	Description	Modified	Manada a unitab M	/ince set for 1 PM ×
	Meeting with Vince set for 1 PM Mor	nday, Apri 3.364233.AFGO2WOKDDGQS.		Open	/ince set for 1 PM ×
- 🗆 Administration	Check where day ahead came out!	3.591055.IGEJW1SEANH4K1	. 4/12/2017	/ Edit	SECURITY ACTIVITY
Reviews Export	Re: FW: GMM - 30 Mar 2001	3.319181.IRUNIX4IUVOPDE	4/12/2017	+ Actions	 New reference 3MCF00HIOW
 ≥ Export >> Import Trash i Disposed ii Deleted iii Queue 	Do not schedule anything	3.1111809.NJPC3VWZY5RE	4/12/2017	 Status Security class 	New version Authenticity evidence
	Video Conf Call w/ Conquest EB	3.1121420.IMLZTBMGH0VZ	4/12/2017	Details	Move
	Direct Report Conf Call 713-853-323	3, passco 3.1088009.HZEKIKPQDR1DZ	4/12/2017	Delete	⊯ Export
	Board of Dir Mtg.	3.1099274.HGUN03ZZICV0C	4/12/2017	Categories	

Image 112: A popup menu on the selected entity for selecting the »Move« command

When selecting the »Move« command, user will receive the »Move« dialog box, where he selects new parent entity from the list of entities, and the »Reason« field to enter the reason for the move. The move of the entity is confirmed using the »Move« button.

IMiS [®] /wClie	nt N	lanual			Version 1.2.1810	
	Mo	ve		💶 Production 🔶 🖬 Supply Chain	, × management	
	÷	Supply Chai	n management			
		Maintenence		03.06		
		Manufacturin	g	03.04		
		Planning and	Control	03.01		
		Procurement		03.03		
		Production		03.07		
		Reason*	Move to appropriate class			
				MOVE	CANCEL	

Image 113: A dialog box for moving an entity

The classification code serves as a unique locator of the entity within the classification scheme. It consists of the relative classification codes of the entities.

<u>Note</u>:

The following rules apply to the user when moving:

- The user can move all entities, regardless of whether they are closed or opened.
- The user cannot move documents which are classified directly under a class under folders. The user likewise cannot move documents which are classified under folders directly into a class.

4.3.5 Content management

This chapter describes the following actions over document contents:

- Capture
- Content information view
- Save
- Preview
- Update
- Download
- Copy
- Move
- Delete
- Index
- Convert.

4.3.5.1 Capturing content

The IMiS[®]/wClient 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).
- ...

By selecting a document, the user is shown a list of contents in the central view.

In the case of a new document the list is empty. The contents are shown below the bar with

the titles of the common attributes. »Description« and »Size« are shown by default.

The user can add or remove the columns of selected attributes: »Classification code«,

»Description« and »Modified« via the icon 📕 in the command bar.

<u>Note</u>:

Attaching contents is possible only in the Document entity type.

Content		Drag and drop files or click					
	ß	Compliant_25092018	24.5 kB				
	ß	Compliant_25092018_answer	214.4 kB				
		Compliant_25092018_evidence.jpg	217.6 kB				


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The user adds contents by first selecting the »Edit« button in the command bar.

This opens a dialog box with entity details, in which the user drops content in the »Content« field using the »Drag and drop« mode or clicks it on the list.

Content	Drag and drop files or click				
	Image 115: The »Content« field for dropping contents				
	Content		Drag and drop files of	or click	
		ß	Compliant_25092018.pdf	24.5 kB	
		ß	Compliant_25092018_answer.pdf	214.4 kB	
			Compliant_25092018_evidence.jpg	217.6 kB	
			Compliant_25092018_map.png	82.0 kB	

Image 116: The added content before saving

After confirmation the contents are added to the list under the »Content« field. After the user has finished capturing contents, the document can be saved.

For more information see chapter Saving an entity.

IMiS/Archive Server > Administration > Co	ompany Documentation	> Company formation > Cliff Baxter group > Florenc
Title	Size	Modified
Compliant_25092018.pdf	24.5 kB	5/6/2018
Compliant_25092018_answer.pdf	214.4 kB	5/6/2018
Compliant_25092018_evidence.jpg	217.6 kB	27/8/2018
Compliant_25092018_map.png	82.0 kB	1/10/2018

Image 117: The added content after saving

4.3.5.2 Content details

The entity content details provide certain information to the user which is otherwise not shown in the list of contents. If the details are not shown in the right view by default, the user can access them by selecting the »Details« command in the popup menu on the tagged content.

Besides the list of contents, the user is also shown the following entity content details in the right view:

- Description: Content description.
- Type: Content type.
- Content type: MIME content type.
- Size: Content size in kB.
- Created: Timestamp of the content creation.
- Modified: Timestamp of the last change of the content.
- Accessed: Timestamp of the last access to the content.
- Indexed: states whether the content is indexed.
- Signed: a value that registers if the email message was electronically signed.
- Identifier: unique identifier of the content.

IMiS/Archive Server > Administration > Company Documentation > Company formation > Cliff Baxter group > Florence Mutidie NEW
OPEN

EDIT ACTIONS

I Modified Size Compliant_25092018.pdf Compliant_25092018.pdf Compliant_25092018.pdf Description Compliant_25092018_answer.pdf 214.4 kB 5/6/2018 Туре PDF Content Type application/pdf Compliant_25092018_evidence.jpg 24.5 kB Size Created 5. Jun 2018, 10:26 Compliant_25092018_map.png 82.0 kB Modified 5. Jun 2018, 10:26 27. Sep 2018, 11:26 Accessed Indexed Yes Signed No wFwo3ZRqeC-YdyiSChYLUSziZ3L5YNIL Identifier

Image 118: Content details in the right view

Of all the displayed data the user can change only the description of the content when in entity editing mode.

Content	Drag and drop files or click			
		Invoice_Telekom <u>Slovenije.tif</u>	1.1 MB	

Image 119: Changing the description of content in editing mode

By selecting the content from the list in the central view, the following options are available to the user in the popup menu in reading mode (Open):

• Preview: opening content in the preview mode.

- Download: downloading the content to a computer or device.
- Copy: copying content to another document.
- Details: displaying information on the content. These details are displayed if they were not displayed yet.
- Manage: tagging the content for executing specific actions.
 - Queue for Indexing: the selected content is tagged for later indexing.
 - Queue for Conversion: the selected content is tagged for later conversion.

IMiS/Archive Server \rightarrow Miscellaneous \rightarrow In	voice Telekom Slovenije		NEW	⊙ OPEN ✓ EDIT ACTIONS ✓
Title	Size			e_Telekom Slovenije.tif ×
Invoice_Telekom Slovenije.tif	1.1 MB		Preview	
		в	Download	nvoice_Telekom Slovenije.tif 1FF
		æ	Сору	nage/tiff
		0	Details	.1 MB
		P1	Manage	Queue for indexing
			Accessed	1 Queue for conversion
			Indexed	Yes
			Signed	Yes
			Identifier	AjMwqD8qJxQtnc6ulQsWFjbkFWpy7uz3



4.3.5.3 Saving content

When saving document content to the IMiS[®]/ARChive Server, the following attribute values are automatically recorded into the entity:

• Content type: the type of the content output format (MIME type).



• Created: the date the document content was created on the server. As long as the content exists, the attribute value does not change.



Image 122: An example of the date of creating the document content

• Modified: the date the user changed the document content. As long as the document content exists, the attribute value changes with each change of content.



Image 123: An example of the date of modifying the document content

• Accessed: the date and time the document content was last opened in reading mode or in editing mode. As long as the content exists, the attribute value changes each time the user opens or modifies the content.

Accessed	8. May 2018, 14:43	

Image 124: An example of the date of the last access to the document content

Identifier: The unique identifier of the content of the document saved on the server.
 As long as the content exists, the attribute value does not change.



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• Indexed: A value that shows whether the document content is indexed.

Indexed	Yes	
Image 126: An ex	ample of a display of indexed do	ocument content

• Signed: A value that shows whether the document content is electronically signed.

Signed	No	

Image 127: An example of a display of signed document content

4.3.5.4 Content preview

The user opens the document content by selecting »Preview« in the popup menu on the tagged content in the document reading mode (»Open«).

/iS/Archive Server > Miscellaneous > Invo	ice Telekom Slovenije		NEW	OPEN / EDIT ACTIONS ~	1 resu
le	Size			_Telekom Slovenije.tif	
Invoice_Telekom Slovenije.tif	1.1 MB			_relekom slovenje.tr	
		8	Download	nvoice_Telekom Slovenije.tif	
		C2	Сору	1FF nage/tiff	
		0	Details	.1 MB	
			Manage	9. Oct 2018, 14:28 9. Oct 2018, 14:28	
			Accessed	19. Oct 2018, 14:28	
			Indexed	Yes	
			Signed	Yes	
			Identifier	AjMwqD8qJxQtnc6ulQsWFjbkFWpy7uz3	

Image 128: Opening document content

An alternative option is that the user simply clicks on the content record.

IMiS/Archive Server > Miscellaneous > Invoice Telekom Slovenije		
Title	Size	
Invoice_Telekom Slovenije.tif	1.1 MB	

Image 129: Opening content by clicking on the content

Certain contents are opened directly in the browser's viewer; if that is not possible, the contents are downloaded and opened with an external viewer.

For more information on downloading content see chapter <u>Downloading content</u>.

IMiS [®] /wClien	t Manual		Version 1.2.	1810
← Invoice_Telekom Slovenije.tif				8
Archive Administration	IMiS/Archive Server > Miscellaneous > In	voice Telekom Slovenije LOADING	EW © OPEN 🖌 EDIT ACT	10NS V I
Custom Relationship Mana			In the Table of Street in	
Export			Invoice Telekom Slovenije	×

Image 130: Loading content

In the context of the content formats which are supported on the IMiS[®]/ARChive Server and can be described with IANA-registered content types (MIME type; see chapter <u>Capturing</u> <u>content</u>), the user can play the following audio and video contents in streaming mode:

• Audio (wav, ogg, mpeg)



Image 131: Opening audio content

• Video (mp4, webm, ogg)



Image 132: Opening video content

<u>Note:</u> Previewing audio and video contents is possible if the content has been optimized for online viewing.

4.3.5.5 Downloading content

By selecting the »Download« command in the popup menu on the tagged content in the document reading mode (»Open«), the user downloads the content to the device. The content is saved in the selected location on the device.

IMiS/Archive Server > Administration > Con	npany Documentation $>$ Company formation $>$ C	liff Baxter group > Jack Brown	NE NE	OPEN	🖌 EDIT	ACTIONS	~ :=
	-						1 results
Title	Size		Compliant_25092		92018_map.png ×		×
Compliant_25092018_map.png	423.8 kB						
		Q PI	review		pliant_25092018_	man ong	
		D D	ownload		phant_20092010_	map.png	
		6 <u>0</u> C	ору		je/png		
		0 D	etails		8 kB		
			/lanage		oct 2018, 08:52		
			-		oct 2018, 08:52		
			ccessed		oct 2018, 13:38		
			ndexed	Yes			
			ligned dentifier	No	NimAnxac0MGge8	PIOPIPI57detKV	
		10	a controller	quji	anna acomoger	bipon douvi	

Image 133: Selecting the »Download« command in the popup menu

In the bottom left corner the user is shown the progress of the download of content and the Cancel option.

💩 0600005.wav	
Cancel	12.6 MB/s

Image 134: Displaying the progress of the download of content

By selecting the popup menu on the notification about downloaded content, the user has the option of selecting actions.





4.3.5.6 Content update

Content update can be performed by the user with the »Write« right.

The user has the option of updating saved content. In editing mode, the user selects the document content. In the popup menu the user selects the »Update« command. This opens a dialog box for selecting the content which will replace the existing content. If the user does not change the title of the content, it is preserved.

The user confirms the change to the entity with the »Save« command or cancels it with the »Cancel« command.



Image 136: Selecting the »Update« command in the popup menu

Title	Size	Modified
Compliant_25092018_Mutidie.pdf	24.5 kB	5/6/2018
Compliant_25092018_answer.pdf	214.4 kB	5/6/2018
Compliant_25092018_evidence.jpg	217.6 kB	27/8/2018
Compliant_25092018_map.png	82.0 kB	1/10/2018



4.3.5.7 Copying content

Copying content can be performed by the user with the »Write« right.

The user makes a copy of the entity's content and copies it to another document-type entity.

The user selects the content in the Open mode. By selecting the popup menu on the tagged content, the user selects the »Copy« command.

IMiS®/wClient Manual				Version 1.2.1810
Title	Size 1.1 MB		2	Compliant_25092018_Mutidie.tif ×
		م 13 لاک 10	Preview Download Copy Details Manage Accessed	ompliant_25092018_Mutidie tif TFF 1 MB 4. oct 2018, 10:56 24. oct 2018, 11:23
			Indexed Signed Identifier	Ves Yes 7IDnz_DR7LVPd3rg1MNPRxKAJNrbZI7C



This opens a dialog box for selecting the target document in the classification scheme.

Со	ру	×
÷	Competitive Intelligence	Compliant_25092018_Mutidie.tif > https://www.example.com Re: MGMT 656
	Maureen on vacation - we have a temp	01.01.01-2017-000042/000009
	Meet with Rick and Bob	01.01.01-2017-000042/000008
	Mtg. w/ Craig Wright	01.01.01-2017-000042/000005
	Re: MGMT 656	01.01.01-2017-000042/000003
	SEC Filing; Alternative PUHCA Exemption - QF Relief	01.01.01-2017-000042/000006
		COPY

Image 139: Copying the content to another document

After confirming the »Copy« command, a copy of the content is saved to the selected document. The user is informed of saving a copy of the content.



Image 140: Information about saving a copy of the content

4.3.5.8 Moving content

Moving content from one entity to another can be performed by the user with the »Write« right. The user selects the content in the editing mode. In the popup menu on the tagged content, the user selects the »Move« command.

Content		Drag and drop f) files or click		
	Ø	Compliant_25092018_Mutidie.pdf	24.5 kB	۲ م	Preview
	ß	Compliant_25092018_answer.pdf	214.4 kB	•	Download
		Compliant_25092018_evidence.jpg	217.6 kB	₽	Update Copy
		Compliant_25092018_map.png	82.0 kB	÷	Move
				Î	Delete

Image 141: Selecting the »Move« command in the popup menu

This opens a dialog box for selecting the target document in the classification scheme.

Мо	ove	×
	📔 Florence Mutidie 🛛 📙 Comp	oliant_25092018_Mutidie.pdf $ ightarrow ightarrow $
÷	10 mins w/Kaminski - Prediction Co Update	
Ľ	Check where day ahead came out!	01.01.01-2017-000043/000002
	Competitive Intelligence	01.01.01-2017-000043/000006
	Do not delete Organizer note - record in special table	01.01.01-2017-000043/000004
	Ed's Bonus meeting 50M03 - participate by phone	01.01.01-2017-000043/000008
	FW: Next Energy Committee Meeting	01.01.01-2017-000043/000010
		MOVE CANCEL

Image 142: Selecting the target document for moving content

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By confirming the selection with the »Move« command, the content is tagged to move.

Content	Drag and drop files of	or click	
	Compliant_25092018_Mutidie.pdf Move to Competitive Intelligence ×	24.5 kB	
	Compliant_25092018_answer.pdf	214.4 kB	
	Compliant_25092018_evidence.jpg	217.6 kB	
	Compliant_25092018_map.png	82.0 kB	

Image 143: Content temporarily removed from the document

Content move is not performed until after saving changes.

e	Size	Modified	Compo	titive Intelligence	
Compliant_25092018_Mutidie.tif	1.1 MB	24/10/2018	Compe	ntive intelligence	
			DETAILS	SECURITY	ACTIVITY
			Title	Competitive Intelligence	
			Description	Compliant Mutidie	
			Created	🥋 Administrator 13. Apr	2000, 10:27
			Modified	24. Oct 2018, 11:24	
			Status		
			Security class		
			Significance	Retain	
			Owner	Caroline Irwin	
			Keywords	compliant	
			Categories	employees	
			> Physical prop	erties	
			> Retention		
			> Save Log		
			> More		

Image 144: Saved document content

4.3.5.9 Deleting content

Deleting content can be performed by the user with the »Write« right.

The user removes document content by first selecting the document content in Edit mode. In the popup menu the user selects the »Delete« command. The content is removed from the list. The user confirms the change to the entity with the »Save« command or cancels it with the »Cancel« command.

	elligence DETAILS	PHYSICAL PROPERTIES	SECURITY		×
Title*	Competitive Intelligence Mandatory value for naming entity				
Description	Compliant Mutidie				
Significance	Retain			-	
Owner	Caroline Irwin			•	
Keywords	compliant ×				
	Important words used in entity				
Categories	employees ×				
Content		6			
		Drag and drop files or cli	ick		
	Compliant_2410201	8_Matuide.tif	1.1 MB		
-				٩	Preview
External Identifiers	Custom external entity identifiers			م B	Preview Download
External Identifiers	Custom external entity identifiers				
External Identifiers	Custom external entity identifiers				Download
External Identifiers	Custom external entity identifiers			8	Download Update
External Identifiers	Custom external entity identifiers			8 6 +	Download Update Move

Image 145: The content on the list before deletion

Content	<u>6</u>
	Drag and drop files or click

Image 146: The content on the list after deletion

4.3.5.10 Indexing content

The manual tagging of content for indexing can be performed by the user with the »ContentManagement« role.

By selecting the popup menu on the tagged content in the document reading mode (»Open«), the user can select the »Manage« command. By confirming the »Queue for Indexing« command, the selected content is tagged for later indexing.

The indexing of content can be done automatically with the appropriate settings on the IMiS®/ARChive Server or manually for an individual content within the interval specified in the server settings.

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						31
e	Size	Modified		A	Compliant_25092018_answer.pdf	
Compliant_25092018_answer.pdf	214.4 kB	5/6/2018				
Compliant_25092018_evidence.jpg	217.6 kB	27/8/2018	م	Preview	mpliant_25092018_answer.pdf	
complian_20092010_evidence.jpg	217.0 KD	277072010	8	Download	I F	
Compliant_25092018_map.png	82.0 kB	1/10/2018	0	Details	plication/pdf	
				Manage	Queue for indexing	
				Modified	5. Queue for conversion	
				Accesse	27. Sep 2018, 11:26	
				Indexed	Yes	



	Size	Modified		
Compliant_25092018_answer.pdf	214.4 kB	5/6/2018	Complia	nt_25092018_answer.pdf
Compliant_25092018_evidence.jpg	217.6 kB	27/8/2018	Description	Compliant_25092018_answer.pdf PDF
Compliant_25092018_map.png	82.0 kB	1/10/2018	Type Content Type	application/pdf
compliant_correginapiping	01.010	1,10,2010	Size	214.4 kB
			Created	5. Jun 2018, 10:26
			Modified	5. Jun 2018, 10:26
			Accessed	27. Sep 2018, 11:26
			Indexed	Yes
			Signed	No
			Identifier	xxx92s6KAdHFwpvr1429hYA7cASbP0zB
			Identifier	XXX92S6KAdHFWpVF1429NYA/CASDFUZE
				Compliant_25092018_answer.pdf

Image 148: Successful adding of content for indexing

4.3.5.11 Content conversion

The IMiS[®]/ARChive Server enables automatic content conversion. All newly added content is automatically converted to a long-term storage format after being stored according to the period setting in the server configuration (PDF/A, TIFF).

<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.

For better visibility, the converted content is displayed in a tree. Content can also be multi-level and enable a view of the conversion history. The conversion of content can be done automatically with the appropriate settings on the IMiS[®]/ARChive Server or manually for an individual content within the interval specified in the server settings. For the manual tagging of content for conversion the user must have the »ContentManagement« role.

By selecting the popup menu on the tagged content in the document reading mode (»Open«), the user can select the »Manage« command. By confirming the »Queue for Conversion« command, the selected content is tagged for later conversion.

Description	Size	Modified			
Invoice Telekom Slovenije.tif	122.8 kB	14/11/2018		Invoice	Telekom Slovenije.tif
		Q. Preview		Description	Invoice Telekom Slovenije.tif
		Download		Туре	TIFF
		🙆 Сору		Content Type	image/tiff
		Details		Size	122.8 kB
		U Details	_	Created	14. Nov 2018, 12:17
		Manage	Queue for indexing	Modified	14. Nov 2018, 12:17
			Queue for conversion	Accessed	14. Nov 2018, 12:17
			Quede for conversion	Indexed	Yes
				Signed	Yes
				Identifier	ws_kdeX4lKfT2lmJZPENYW1shRxD5rdt

Image 149: Selecting the »Queue for Conversion« command

The user is informed of successfully tagging the content for later conversion.

Description Size Modified Invoice Telekom Slovenije Lif 122.8 kB 14/11/2018 Import Telekom Slovenije Lif Description Import Telekom Slovenije Lif 122.8 kB 14/11/2018 Import Telekom Slovenije Lif Size 122.8 kB Import Telekom Slovenije Lif 122.8 kB TifF Content Type Image/Liff Size 122.8 kB Created 14. Nov 2018, 12:17 Modified 14. Nov 2018, 12:17 Indexed 14. Nov 2018, 12:17 Indexed Yes	1 results
Invoice Telekom Slovenije.tif 122.8 kB 14/11/2018 Description Invoice Telekom Slovenije.tif Type TFF Content Type image/tiff Size 122.8 kB Created 14. Nov 2018, 12:17 Modified 14. Nov 2018, 12:17 Indexed Yes	4
Type TIFF Content Type image/tiff Size 122.8 kB Created 14. Nov 2018, 12:17 Modified 14. Nov 2018, 12:17 Accessed 14. Nov 2018, 12:17 Indexed Yes	if ×
Image/tilf image/tilf Size 122.8 kB Created 14. Nov 2018, 12:17 Modified 14. Nov 2018, 12:17 Accessed 14. Nov 2018, 12:17 Indexed Yes	enije.tif
Size 122.8 kB Created 14, Nov 2018, 12:17 Modified 14, Nov 2018, 12:17 Accessed 14, Nov 2018, 12:17 Indexed Yes	
Created 14. Nov 2018, 12:17 Modified 14. Nov 2018, 12:17 Accessed 14. Nov 2018, 12:17 Indexed Yes	
Modified 14. Nov 2018, 12:17 Accessed 14. Nov 2018, 12:17 Indexed Yes	
Accessed 14. Nov 2018, 12:17 Indexed Yes	
Indexed Yes	
Slaned Yes	
Identifier ws_kdeX4IKfT2ImJZ	PENYW1shRxD5rdt
Invoice Telekom S Content added to qu	

Image 150: Successful tagging of content for later conversion

4.3.5.12 Detaching content

In edit mode the user has the option of detaching the selected converted content.

The user with the »Write« permission can perform the detachment.

In edit mode the user selects the content. In the popup menu the user selects the »Detach« command.

Invoice_Telekor	n Slovenije 11	/2018								
_	DETAILS	PHYSICAL PROPERTIES	SECURITY		RETENTION					
Title*		n Slovenije 11/2018								
	Mandatory value for	naming entity								
Description	Monthly invoice	Monthly invoice - services								
Significance	Inherited					-				
Owner	Alex Nelson					•				
Keywords	telekom ×									
	Important words use	ed in entity								
Categories	invoice ×									
Content	6									
		Drag an	d drop files or click							
	🗸 🛃 Invoid	ce Telekom Slovenije.tif		122.8	3 kB					
	🔀 Inv	roice Telekom Slovenije [OCR].pdf			Preview					
					Download	- E.				
	w Inv	roice Telekom Slovenije [OCR].doc	X							
External Identifiers				<u></u>	Detach					
	Custom external ent	ity identifiers		Î	Delete					

Image 151: Detaching the selected converted content

Content	Canal Contract Contra	es or click	
	V 🔝 Invoice Telekom Slovenije.tif	122.8 kB	
	Invoice Telekom Slovenije [OCR].pdf Detach ×	94.8 kB	
	Invoice Telekom Slovenije [OCR].docx	13.9 kB	

The detachment is not executed until confirmed with the »Save« command.

Image 152:	Tagging	content for	detachment
------------	---------	-------------	------------

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After confirming the detachment of converted content, the selected content is classified under the last content on the list.

IMiS/Archive Server > Finance > 7	Accounts Payable > Incomming Invo	sices → Invoice_Telekom Slovenij	NEW 🐵 0	PEN EDIT ACTIONS
Description	Size	Modified	D - .	
✓ ☑ Invoice Telekom Slovenije.tif	122.8 kB	14/11/2018	Invoice Tel	ekom Slovenije [OCR] ×
Invoice Telekom Slovenije [O	13.0.VR	14/11/2018	Description	Invoice Telekom Slovenije [OCR].pdf
W Invoice relekont slovenije [o	13.5 KD	14/11/2010	Туре	PDF
D Invoice Telekom Slovenije (O	94.8 kB	14/11/2018	Content Type	application/pdf
	94.0 KD	14/11/2010	Size	94.8 kB
			Created	14. Nov 2018, 13:33
			Modified	14. Nov 2018, 13:33
			Accessed	14. Nov 2018, 13:33
			Indexed	Yes
			Signed	No
			Identifier	zZoVaSC6AJtlq7hJrnaKXWDL9qgzj-kY

Image 153: Displaying detached content on the list

<u>Warning</u>: Removal of source content is possible only after a prior removal of all interpretations of the content. While removing content at individual levels, the entity must be saved.

4.3.6 Versioning

The user is enabled the versioning of all document-type entities. The properties that have been modified in individual document versions can be reviewed only on templates that enable versioning.

Note: This functionality is supported in IMiS®/ARChive Server version 9.9 or higher.

4.3.6.1 Creating new version

By selecting the action »New version« in the popup menu on the »Actions« button in the command bar or on the document selected from a list, the user is shown a dialog box with the relevant tabs and set of attributes.

IMiS®/wClient Man	ual			Version 1.2.1810
IMiS/Archive Server > Projects > wCli	ent project		NEW 🥑 (OPEN
Title Development report	Classification Code De	escription Modified	Developm	ent report $ imes$
Development report	🗁 Open	elopment pro 13/11/2018	DETAILS	SECURITY ACTIVITY
	Actions Status Security class	New reference New version Authenticity evidence	Title Description Created Modified	Development report Development progress report Administrator 13. Nov 2018, 14:58 Administrator 13. Nov 2018, 14:58
	Details Delete	Move L' Export	Status Security class	Opened Inherited Confidential Inherited
			Significance Owner Keywords	Retain Inherited Alex Nelson wclient
			Categories Hours spent > Retention > More	development 1500

Image 154: Selecting the action »New version« in the popup menu

In the »Details« tab the following attributes are available to the user:

- Version: selecting a document version. The available options are:
- Major: signifies major changes to the document.
- Minor: signifies minor changes to the document.
- 3rd level: signifies minimum changes to the document.
- 4th level: signifies the smallest changes to the document.
- Overwrite: overwrites the existing document version.
- Comment: a comment to the document version.
- Title: the name of the document. This attribute is mandatory.
- Description: a short description of the document.
- Significance: a set of available document significances.
- Owner: the directory entity (user or group) that is responsible for the selected document version (owner).
- Keywords: document-related keywords. This attribute can have multiple values.
- Categories: a collection of document categories.
- Content: document contents.
- External identifiers: a list of the unique external identifier of the document version on the server.

Development re	port			×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	
Version	Major			•
Comment	Major Minor			
Title*	3rd level			
	4h level			
Description	Overwrite Development progress re	ροιτ		
Significance	Inherited			-
Owner	Alex Nelson			-
Keywords	wclient ×			
Categories	development ×			
Content		Drag and drop files or clic	k	
	Development repo	ort	5.8 kB	
External Identifiers	Custom external entity identifie	rs		
Hours spent	500			
	Number of hours spent working	g on project so far		
SAVE DRAFT	DISCARD		SAVE	CANCEL

Image 155: Checking out a document version

The user confirms the checking out of a new document version with the »Save« command or cancels it with the »Cancel« button.

×

Image 156: Information about saving a document version

<u>Note:</u> While creating a document version, the source document is available to other users only in readonly mode.

4.3.6.2 Reviewing a document version

In the preview mode and open mode, the user can review document versions in the set »Versions« in the »Details« tab in the right view.

le 🔺	Classification Code	Description	Modified				1 resu
Development report	06.06/000003	Development pro	13/11/2018		Development re	port	
				C	ETAILS	SECURITY	ACTIVITY
				Title	Deve	lopment report	
				Descripti	on Deve	lopment progress repo	ort
				Created	😂 A	Administrator 13. Nov 2	2018, 14:58
				Modified	S 4	Administrator 13. Nov 2	2018, 15:34
				Status	Open	ned Inherited	
				Security	class Conf	idential Inherited	
				Significar	nce Retai	in Inherited	
				Owner	Alex	Nelson	
				Keyword	s wo	client	
				Categorie	es de	evelopment	
				Hours sp	ent 500		
				✓ Ver	sions		
				2	Development report		
				-	Administrator 13. Nov 2	.018, 15:34	
				1	Development report Administrator 13. Nov 2	2018, 14:58	
				> Ret	ention		

Image 157: Displaying document versions in the set »Versions«

<u>Note:</u> The last saved document version is placed at the top of the view. The selected document version is marked in blue.

4.3.6.3 Editing document version

The user can edit only the values of attributes to which he has the appropriate access rights.

By selecting the icon _____ on the document version record, the user can choose from the following options in the popup menu:

- Open: opens the selected document version in the reading mode.
- Edit: opens the selected document version in the editing mode.
- New version: creates a new version of the document via a dialog box.
- Delete: deletes a document version.

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✓ Versions	

2	Development report Administrator 13. Nov 20	P	Open	•
1	Development report Administrator 13. Nov 20	/	Edit	
			New version	
		Î	Delete	

Image 158: A popup menu on the document version

In edit mode the user can change the attribute values.

	DETAILS	PHYSICAL PROPERTIES	SECURITY	RETENTION	
Title*	Development repo	ort			
	Mandatory value for n	aming entity			
Description	Development prog	gress report			
Significance	Retain Inherited				-
Owner	Alex Nelson				•
Keywords	wclient ×				
	Important words used	l in entity			
Categories	development ×				
Content		Drag a	nd drop files or click		
	wClient_D	evelopment_report.docx		5.8 kB	•••
External Identifiers					
	Custom external entity	/ identifiers			
Hours spent	650				
	Number of hours sper	t working on project so far			

Image 159: Opening a document version in editing mode

<u>Note:</u> When editing the document version, the values of attributes with the property »Versionable« will apply only to this version. By changing the values of attributes that do not have this property, the changed values will be saved in all previous versions of the document.

The user can delete an individual version of the document or the versioned document by removing every single version.

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4.3.6.4 Creating draft

If the user wants to check in a document version at a later time, he can save it temporarily with the command »Save as draft«.

Development re	port			×			
_	DETAILS	PHYSICAL PROPERTIES	SECURITY				
Version	Minor			-			
Comment	Major						
	Minor						
Title*	3rd level						
	4h level						
Description	Overwrite Development progress rep	UIL					
Significance	Inherited			-			
Owner	Alex Nelson			-			
Keywords	wclient ×						
Categories	Important words used in entity development ×						
Content		Drag and drop files or click	×				
	wClient_Developme	ent_report.docx	5.8 kB				
External Identifiers	Custom external entity identifiers						
Hours spent	150						
	Number of hours spent working of	on project so far					
SAVE DRAFT	DISCARD		SAVE	CANCEL			

Image 160: Saving a draft for later editing

By selecting the »Drafts« folder, the left view shows a list of drafts of document versions. The user can review information about the selected document version with the »Open« command, edit the document draft with the »Edit« command and perform actions on the draft via the »Actions« command.

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IMiS/wClient	Search					Administrator 🗸
Archive	Drafts				🐵 OPEN 🖌 EDI	
 My entities Drafts 	Title 🔺	Description	Modified			1 resul
	Development report	Development progress report	13/11/2018		evelopment report	
Directory					DETAILS	SECURITY
Administration Reviews				Title	Development repo	rt
✓ Export				Description	Development prog	ress report
				Created	S Administrator	13. Nov 2018, 15:52
Trash				Modified	S Administrator	13. Nov 2018, 15:52
 Disposed Deleted 				Status	Opened Inherited	
Queue				Security class		
				Significance		
				Owner	Alex Nelson	
				Keywords	wclient	
				Categories	development	
				Hours spent	150	
				> Retentio	n	
				> More		

Image 161: A draft of a document version in the »Drafts« folder

4.3.6.5 Discarding draft

The user can discard a document draft with the »Discard« command, thus destroying it.

Development re	port			×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	
Version	3rd level	_		•
Comment	3rd level			
Title*	Development report			
	Mandatory value for naming entity	/		
Description	Development progress repo	rt		
Significance	Inherited			-
Owner	Alex Nelson			•
Keywords	wclient ×			
	Important words used in entity			
Categories	development ×			
Content		Drag and drop files or clic	k	
	WClient_Development	nt_report_final.docx	5.8 kB	
External Identifiers				
	Custom external entity identifiers			
Hours spent	250			
	Number of hours spent working o	n project so far		
SAVE DRAFT	DISCARD		SAV	CANCEL

Image 162: Discarding a document draft with the »Discard« command

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4.3.6.6 Checking in draft

The user checks in a version of a document saved in the »Drafts« folder by selecting the »Save« command in the bottom command bar.

Development re	port			×
	DETAILS	PHYSICAL PROPERTIES	SECURITY	
Version	3rd level	-		•
Comment	3rd level			
Title*	Development report			
	Mandatory value for naming entity			
Description	Development progress report	t		
Significance	Inherited			•
Owner	Alex Nelson			•
Keywords	wclient ×			
	Important words used in entity			
Categories	development ×			
Content		Drag and drop files or clic	:k	
	wClient_Development	t_report_final.docx	5.8 kB	
External Identifiers				
	Custom external entity identifiers			
Hours spent	250 Number of hours spent working on	project so far		
	reaction of notice opene working on	projection for		
SAVE DRAFT	DISCARD		SAVE	CANCEL

Image 163: Reviewing a draft before checking it in with the »Save« command



Image 164: Displaying the document versions after checking in the draft with the »Save« command

4.3.7 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.

The search engine is made up of two sets which refer to the:

- conditions for searching by metadata
- content descriptions
- full text of document contents.

4.3.7.1 Full text search

The user begins searching the full text of the content by entering a search string in the

»Search« field in the header of the user interface.

The user confirms it by selecting the icons **Q**, which denote a search.

british banks	Q #		🚷 Administrator 👻
IMIS/Archive Server			NEW ⊘ OPEN ≠ EDIT ACTIONS ∽ II 11 result
Title	Description	Modified	
Administration	Administration	1/10/2018	Archive
Finance	Account payable, Accounts re	20/9/2018	Audit Query Content Management Import/Export Reports
Supply Chain management	Supply planning and scheduli	12/9/2018	Draft management Content Convert Content Detach
Supply Shair management	cuppiy planning and concean	12/3/2010	Content Index Content Move
Custom Relationship Management	Customer and Business part	24/9/2018	Name IMiS/Archive Server
Human Resources and Pavroll	Employee records	1/10/2019	Description The archiving of unlimited quantities of binary objects.
Human Resources and Payroll	Employee records	1/10/2018	Host iarc99.imis.si:16807

Image 165: Entering a search string in the »Search« field

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british banks	Q #			Administrator
IMiS/Archive Server			NEW OPEN	I Z EDIT ACTIONS ~ 1027
Title	Description	Modified	Anabian	
Joe Allen here	3.1085039.ARCUTS2N5YJQ	4/12/2017	Archive	
🗅 01491.pdf			Audit Query Content M	lanagement Import/Export Rep
Greg - Insurance in Australia	3.362234.E1CFEMYCPQKKJ	4/12/2017		ntent Convert Content Detach
-			Content Index Content	Move
D2801.pdf			Name IMi	iS/Archive Server
			Description The	e archiving of unlimited quantities of bir jects.
Rick's Regional Dir. call re:Budget (Tentative)	3.1085040.NFLJ24PYZAUB	4/12/2017		c99.imis.si:16807
🗅 01491.pdf				

Image 166: A full text search result

An alternative way of searching the full text of the content is by selecting the icon in the header of the user interface and entering the search string in the »Full text search« field in the »Search« dialog box.

The user can create a search string from one or multiple simple search conditions.

Search		5
Title		
Owner		
Keywords	Important words used in entity	
Content		
Full text search	british AND BANKS	
	Full text search value	
Content description		
Custom metadat	a	
Name		•
	SEARCH CAN	NCEL
	SEARCH	ICEL

Image 167: Entering a search string in the »Full text search« field

The full text search is case insensitive and searches only by the text file formats from which the IMiS[®]/ARChive Server can extract the text.

The user can also perform a wildcard search by using the special characters »*« and »?« in the search string.

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an*	Q #		🚷 Administrator 👻
ive Server			NEW ⊚ OPEN ✓ EDIT ACTIONS ✓ # 3769 resu
	Description	Modified	
ou Pai staff meeting EB 791	3.1125849.LOK2VLGULB3KP	4/12/2017	Archive
076.pdf			Audit Query Content Management Import/Export Reports
Allen here	3.1085039.ARCUTS2N5YJQ	4/12/2017	Draft management Content Convert Content Detach
Allen here	5.1005059.AROO15210515Q	4/12/2017	Content Index Content Move
1491.pdf			Name IMIS/Archive Server
ay 17, 200 Commission Meeting	3.1102903.L45N1GXI1MTFI	4/12/2017	Description The archiving of unlimited quantities of binary objects.
ay 17, 200 Commission Meeting	5.1102905.E45NTGATIMTEL	4/12/2017	Host iarc99.imis.si:16807

Image 168: A wildcard search by using special characters

Besides values and special characters, the user can also use »Operator« in the search string. It is about the logical operators 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).

british AND BANKS	Q #		🦣 Administrator 🗸
IMIS/Archive Server			NEW ⊕ OPEN ≠ EDIT ACTIONS → 11 resi
Title	Description	Modified	
Administration	Administration	1/10/2018	Archive
Finance	Account payable, Accounts re	20/9/2018	Audit Query Content Management Import/Export Reports
Supply Chain management	Supply planning and scheduli	12/9/2018	Draft management Content Convert Content Detach Content Index Content Move
Custom Relationship Management	Customer and Business part	24/9/2018	Name IMIS/Archive Server
Human Resources and Payroll	Employee records	1/10/2018	Description The archiving of unlimited quantities of binary objects. Host larc99.imis.si:16807

Image 169: Searching using operators

The search result is shown in the central view of the user interface. It contains only the list of entities or contents to which the user has access.

IMIS/Archive Server 🦻 Miscellaneous		
Title 🗢	Classification Code 🔺	Description
Assignments Regulations.pdf	07/000002	Group assignments

Image 170: An example of a search result

<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, ...)

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).

4.3.7.2 Search by metadata

The user can search by metadata by selecting the icon in the header of the user interface and selecting the values from the list, or by entering a search string in the following fields in the »Search« dialog box:

- Title: name of the entity.
- Owner: owner of the entity.
- Keywords: keywords related to the entity.

Creates a search string from one or multiple simple search conditions.

Search		×
Title	schedules	
Owner	<u>•</u> - •	
Keywords	Important words used in entity	
Content		
Full text search	Full text search value	
Content description		
Custom metadat	а	
Name	-	
	SEARCH CANCE	EL

Image 171: A dialog box for searching by metadata

itle:schedules	۹ 🛱			6	Administrator 🗸
IMiS/Archive Server			NEW 💿 OF	PEN 🖌 EDIT	ACTIONS ~ I
Title	Description	Modified			
Schedules	Timetable	2/10/2018	Schedules		
Schedules		2/10/2018	DETAILS	SECURITY	ACTIVITY
00100000		2,10,2010	Title	Schedules	
			Description	Timetable	
			Status		
			Security class		
			Significance		
			Owner	Robert Petek	
			Keywords		
			Categories		



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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[®]/wClient 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.

Search		×
Title	*projects	
Owner	• - · · ·	
Keywords	Important words used in entity	
Content		
Full text search	Full text search value	
Content description		
Custom metadat	a	
Name	✓	
	SEARCH CANC	EL

Image 173: Use of special characters in a search string

title:*projects	۹ #			6	Administrator 🗸
IMiS/Archive Server			NEW 📀	OPEN 🖌 EDIT	ACTIONS V
Title	Description	Modified			
Florida Projects		4/12/2017	Schedule	!S	>
EES revenue through customer DSM projects	3.351934.HYHCQ2PFOKV0Y	4/12/2017	DETAILS	SECURITY	ACTIVITY
Summary of Last 6 Months Projects	3.319293.ENALD45SVKA5T0	4/12/2017	Title Description	Schedules Timetable	
Projects		4/12/2017	Status		
RE: HR Research Projects	3.356400.ISTVM2EUR003HC	4/12/2017	Security class Significance		
RAC IT Improvement Projects	3.354807.L2SLG4ZIZ1G305X	4/12/2017	Owner Keywords	Robert Petek	
			Categories		

Image 174: An example of a result of searching by metadata using special characters

<u>Note</u>:

The user does not have to pay attention to the use of small and capital letters, because the search is case insensitive.

<u>Example</u>:

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.

Instead of manually entering the title of the owner into the search string, the user selects it from the set of available users.

Search		×
Title		
Owner	Ron Salazar 🗸)
Keywords	Important words used in entity	
Content		
Full text search	Full text search value	
Content description		
Custom metadat	a	
Name	✓	
	SEARCH CANCE	ËL

Image 175: A dialog box for searching by the metadata »Owner«

<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.

4.3.7.3 Search by content descriptions

The user searches by the document content description by selecting the icon in the header of the user interface and entering the search string into the »Content description« field in the »Search« dialog box.

Search		×
Title		
Owner	• - · · ·	
Keywords	Important words used in entity	
Content		
Full text search	Full text search value	
Content description	regulations.pdf	
Custom metadat	a	
Name	•	
	SEARCH CANC	EL

Image 176: A dialog box for searching by the content description

The IMiS[®]/wClient can perform a »wildcard search« by using special characters in the search string:

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

Search		×
Title		
Owner	• - • •	
Keywords	Important words used in entity	
Content		
Full text search		
	Full text search value	
Content description	assignments*	
Custom metadat	a	
Name	· · · · · · · · · · · · · · · · · · ·	
	SEARCH CANC	EL



The user does not have to pay attention to the use of small and capital letters, because the search by the content description is case insensitive.

<u>Example</u>:

If the user is searching entities by the content descriptions, the search string:

- »a*« searches for entities containing contents whose titles begin with the letter »a«.
 For example, producing: »aa«, »Administration«, »authorization«, »A-test« and »Auto Service«.
- *»*traffic*« searches for entities containing contents whose titles contain the »traffic« character string.*

For example: »traffic light«, »havy traffic«, »road traffic jam «.

- »*en« searches for entities containing contents whose titles end with the »en« character string. For instance: »then«, »when«, »hen«, »maiden«.
- »d?b« searches for entities containing contents whose titles have a specific 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«.

In the central view the user is shown the search results.

content:assignments*	Q ==		
IMiS/Archive Server			
Title	Description	Modified	
Assignments	Group assignments	14/5/2018	
Assignments_import.xml			

Image 178: Results of searching by the document contents description

4.3.7.4 Combined search

The user can also perform the following combinations of searches:

- By metadata and the full text of the content.
- By metadata and the content description.
- By the full text of the content and the content description.

The user performs a combined search by selecting the icon in the header of the user interface and entering the search strings into the relevant fields, or by selecting the value of the attribute »Owner« from the list in the »Search« dialog box.

<u>Note:</u>

The combined search takes the logical operator »AND« into account.

4.3.7.4.1 Combined search by metadata and full text search

The user can simultaneously search by metadata and by the full text of the content.

The search result is all documents containing the searched metadata (e.g. Owner = Keira Clay)

and whose content also contains the searched text (e.g. exclusive).

The searched text can contain one or multiple simple search conditions.

Search		×
Title		
Owner	🔇 Keira Clay 🗸	
Keywords	Important words used in entity	
Content		
Full text search	exclusive	
	Full text search value	
Content description		
Custom metadat	а	
Name	•	
	SEARCH CANCI	EL

Image 179: Entering a search string in a combined search

owner:kclay exclusive	Q #	
IMiS/Archive Server		
Title	Description	Modified
OPTION EXERCISE!	3.593671.F2KJNQVI4HTKTC	4/12/2017
🗅 01101.pdf		

Image 180: Results of searching by metadata and the text of the content

4.3.7.4.2 Combined search by metadata and content descriptions

The user can simultaneously search by metadata and by the content description.

The search result is all documents containing the searched metadata (e.g. Title = meeting) and whose content descriptions also contain the searched text (e.g. IMiS).

Search		×
Title	hillary*	
Owner	<u>•</u> - •	
Keywords	Important words used in entity	
Content		
Full text search	Full text search value	
Content description	IMIS*	
Custom metadat	a	
Name	•	
	SEARCH CANC	EL

Image 181: Entering a search string when searching by metadata and the content description

title:hillary* content:IMiS*	Q #	
IMiS/Archive Server		
Title	Description	Modified
Hillary McDonald	Baxter group member	25/9/2018
IMiS_wClient_architecture.jpg		

Image 182: Results of searching by metadata and the content description

4.3.7.4.3 Combined search by content descriptions and full text search

The user can simultaneously search by the content description and by the full text of the content.

The search result is all documents containing a specific search string in the content description (e.g. IMiS) and whose content also contains the searched text (e.g. assignment).

The searched text can contain one or multiple simple search conditions.

Search		×
Title	Austin*	
Owner	<u>•</u> - •	
Keywords	Important words used in entity	
Content		
Full text search	assignment*	
	Full text search value	
Content description	IMiS*	
Custom metadat	a	
Name	-	
	SEARCH CANCI	EL

Image 183: Entering a search string when searching by the text of the content and the content description

title:Austin* content:IMiS* assignment*	Q #
IMiS/Archive Server	
Title	Description
Austin Powell	
🗅 IMiS.pdf	

Image 184: Displaying the result of searching by the text of the content and the content description

4.3.7.4.4 Search by metadata

The user searches by custom metadata by selecting the icon in the header of the user interface, selecting the value of the attribute »Name« from the list, and entering the search string in the field »Value« in the »Search« dialog box.

The search result is all the documents whose values of the custom attribute (e.g. User note) match the search string (e.g. September).

Search		×		
Title]		
Owner	• - · · · ·			
Keywords	Important words used in entity			
Content				
Full text search				
	Full text search value			
Content description				
Custom metadata				
Name	User note			
Value	September*			
	User can specify some notes			
	SEARCH CANCI	EL		

Image 185: Entering the search string when searching by a custom attribute

"User note":September*	Q #			
IMiS/Archive Server				
Title	Description	Modified		
Project Incognito		13/9/2018		
Custom review		13/9/2018		
Procedure Good		13/9/2018		

Image 186: Displaying the result of searching by a custom attribute
4.3.8 Archiving email messages

The IMiS[®]/wClient 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 <u>Email attributes</u>.

4.3.8.1 Email archiving procedure

The user captures email messages by using the »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 the IMiS[®]/wClient.

The user arranges the IMiS[®]/wClient 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 central view of the IMiS[®]/wClient.

If a window appears notifying user that he can drop the selected email message, this means that a popup window for creating an entity will appear when the email message is dropped. If the email is recognized successfully and it is possible to create entities with a template that enables email, the »Email« tab will be shown.

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Image 187: Preparing the environment for transferring an email message from the email client to the archive

Apps 🏟 IMiS/wScar	n Apps01			1	Home ×	📃 🔀 Marko	o Hren - Mail	×							
MiS/wClient				🗿 Alex Nelson	. New •	• Reply •	Reply to All	• Forward	- 111 -	▶ -	11 More - C	Q •			Show
					Ise	ender)	Subject				Dat	le	Size	⊘►
Archive					^	Ljiljana.Krs	iman (Odgovori na Va	aše upite			06.	09. 2013 11:55	116	(∅ →
My entitie						Nana Mogu	u I	Porsche HU: p	prevod v E	N		04.	10. 2013 15:36	16	c .
Drafts				ACTIONS ~		support		Fw: PORSCHE	E CRO in	HU			10. 2013 13:41		(∅ ←
E, Dians				10		Dejan Strb		RE: Kitajska					12. 2013 13:48		< +
		Drop to c	create document			Jure Puhek		Fw: WG: FW:					01. 2014 14:11	334	
Directory	Re: Congra	3.3	4/12/2017	B-Day Par		Twitter		Follow TI Poc Gold on Twitter		сазии, R Ra	iy Wang (王瑞光) and H	Kate 08.	07. 2015 17:29	48ŀ	< →
	_			DETAILS SECURITY ACT		Marko Hrer 写資料が到ま		Fw: Follow TI Kate Gold on 1			R Ray Wang (王瑞光) a 07. 2016 08:32	and 09. 7K @	07. 2015 08:46	34	¢
Reviews	Check whe					powermail		Tak for din inte	eresse - he	er kan du he	ente dit uddrag af rappor	ten 31.	08. 2015 08:37	41	¢ .
	credit expo			Title Katie's B-Day Party @ the House		PayU		Information abi PayU System		payment tr	ansaction recorded in th	ie 17.	12. 2015 18:45	124	c
Trash	_			Description		Nana Mogu	u l	Fwd: 複写資料	科が到着し	しました【武i	蔵大学図書館】	06.	07. 2016 08:32	7ŀ	(⊕
	Reconfirm			Status		Marko Hrer	n I	Privitak:				12.	07. 2016 11:37	20H	0
Deleter	-			Opened Inherited		Bradly N. F	Peterson	Congratulation	ns marko.h	nren@imis.s	ii - YOU WON AGAIN	09.	08. 2016 04:47	81	c –
P Queue	Re: Tennes			Security class		Jacky GILL		Réponse autor					08. 2016 13:16	104	
						华业		Marko, please	add me t	o your Linke	edin network	08.	11. 2017 10:42	32	
	TENTATIV			Significance		2									
				Vital Inherited				資料が到着し qu to: marke		も蔵大字臣	[14] [1] [1] [1] [1] [1] [1] [1] [1] [1] [1		06 (07. 2016 08	32
	New York			Owner Beniamin Dobravec				a-						Show Det	
	QBR with S			Keywords	His	story:	This me	essage has bee	en replied t	o and forwar	ded.				
	Gok with 5			3.1199093.NG2RC0BTQ052U3NBGBV				message							
	Mtg. w/ Eli				Fro	om:山川 3	真央【武蔵大	学図書館】 GMT+02:00	<m.yama< td=""><td>kawa@musa</td><td>shi.jp></td><td></td><td></td><td></td><td></td></m.yama<>	kawa@musa	shi.jp>				
	 III.g. II/ LI			VSLHEUK0SX4QZB	Sut	bject: 複3	写資料が到着	もしました【武庫	款 大学図:	書館】					
	FW: Your e			Categories			u@gmail.co .musashi.a								
				> Retention	小中	林南菜さん									
					武道	蔵大学図書:	館です。								
				Classification Code 05.01-2017-000001	下日料日	記の複写資料 金は260円で	料が到着しまし す。	した。							
				Classification Code Generated Automatic	本的	館1階レファレ	シスカウンター	までお立ち寄り	りください。						
				Template	✓ 小筆	銭が不足して	おります。								

Image 188: Dropping the email message to the selected entity

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After releasing the mouse button, a dialog box opens for viewing and editing the details of the email message.

🍈 Katie's B-Day Party (D the House × +		-		×
	ttps://apps01.imis.si/wclient/1.2.1810.2-beta/#/archive/iarc/entities/cqS	2ef2wHOA0rj	⊳ ☆	Θ	:
👖 Apps 🐞 IMiS/wSo					
IMiS/wClient	Search Q #	Y	Alex Ne	lson	~
Create entity				×	L
_	DETAILS EMAIL PHYSICAL PROPERTIES	SECURITY			ł
Parent	Katie's B-Day Party @ the House				llts
Template*	E-mail (Filed)		-		
Title*	Fwd: 複写資料が到着しました【武蔵大学図書館】				
Description	Mandatory value for naming entity				- Y
	Lake 2 ad				1
Security class	Inherited		•		
Significance	Vital Inherited		•		1
Owner	<u>•</u> -		•		
Keywords	Important words used in entity				1
Categories					1
Content	2				1
Content	Drag and drop files or click				1
	AD142EDED059E76841DE51AA10C0DC 6.3 kB				1
External Identifiers					
	Custom external entity identifiers				
		CREATE	CANC	EL	
	Classific	ation Code Generat	ed	-	
	Automa	tic			
	Templat	e			

Image 189: Viewing and editing the details of an email message before saving

In the »Details« tab the user can view or edit the following metadata:

- Parent: the title of the parent entity. This attribute is read only.
- Template: a set of available templates for creating allowed entities and classifying them under the selected class or folder. This attribute is mandatory.
- Title: name of the folder or document described. Attribute value is mandatory.
- Description: Short description of the entity.
- Security class: a set of available entity security classes based on the entity's position in the classification scheme.

- Significance: significance rating of the entity.
- »Owner«: a directory (user or group) entity that is responsible for the selected entity.
- Keywords: keywords related to the entity. Attribute can have multiple values.
- Categories: the entity view mode.
- Content: document contents. This attribute is available only for document-type entities.
- External identifiers: a list of the entity's unique external identifiers on the server.

In addition to the above-mentioned attributes, the user can also edit the so-called »Custom attributes«, which are predefined by the template.

When the selected email message is moved to the IMiS[®]/wClient, the value of the »Title« attribute is automatically transferred to the »Content« field, and contents containing email details are created. If the email contains additional contents, they too are transferred. After confirming the entry and selection of attribute values with the »Create« 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.



Image 190: Displaying a saved email message on the list of entities

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In the »Details« tab, the user can see all the content that was saved together with the email message in the editing mode. In the »Content« field the original email message in the EML format and the recognized email attachments are created.

Fwd: 複写資料カ	『到着しました【』	武蔵大学図書館】			×
_	DETAILS	EMAIL	PHYSICAL PROPERTIES	SECURITY	
Title*	Fwd: 複写資料が到着 Mandatory value for nam	, しました【武蔵大学[ing entity	図書館】		
Description					
Significance	Vital Inherited				•
Owner	<u>.</u> -				-
Keywords	Important words used in	entity			
Categories					
Content			Drag and drop files or click		
	AD142EDED)59E76841DE51AA10	C0DCD0.eml	6.3 kB	•••
	Accoun1.gif			11.9 kB	
	usc_dornsife	1.png		10.9 kB	
External Identifiers	Custom external entity Id	entifiers			
				SAVE	CANCEL

Image 191: Contents of the email message

4.3.8.2 Functionality description

After viewing and confirming the email message with the »Create« button, 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[®]/wClient 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 and is visible to the user in the »Email« tab:

- »Subject«: the subject of the message.
- »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.
- »Date«: the date and time the message was sent or received.
- »Message Id«: automatically generated message identifier.
- »Priority«: priority status of the email.
- »Signed«: a value that registers if the email message was electronically signed.

The »Date« and »Sender« email metadata are mandatory.

If one of these is not successfully captured, the message will not be saved.

DETAILS EMAIL	PHYSICAL PROPERTIES SECURITY RETENTION
Subject	Fwd: 複写資料が到着しました【武蔵大学図書館】
From	nana.mogu@gmail.com
То	marko.hren@imis.si
Cc	
Bcc	
Date	6. Jul 2016, 10:32
Message id	<cac3fucwowo1pa9eoa5afzkqhx+2qo5jw+yu=kswee3opouddta@mail.gmail.com< td=""></cac3fucwowo1pa9eoa5afzkqhx+2qo5jw+yu=kswee3opouddta@mail.gmail.com<>
Priority	
Signed	Yes

Image 192: Display of the metadata transferred from the email message

Cancel

In the »Physical Content« tab the user can add information about the physical content. In the »Security« tab the user with the »Change permissions« permission can change the access permissions of directory entities (users, groups, attributes).

Warning:

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

4.3.9 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 chapter Rules in the IMiS[®]/ARChive Server Manual.

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 »Action« command and »Authenticity evidence« command.

IMiS/Archive Server > Human Reso	urces and P		NEW	OPEN		EDIT	ACTIONS ~	
Title	Description	Modified			Ô	Status		results
General		17/9/2018	Promo	otion and	•	Security cl		×
Staff Appointments		4/12/2017	DETAILS	_	/	New versio	n	Y.
Employee Records		4/12/2017	Title Description	Pror	Ľ	Authentici	y evidence	
Promotion and Tenure		4/12/2017	Status	Opei	+	Move Delete		
Awards and Recognition		4/12/2017	Security class Significance	Vital	₽	Export		
Pension and Benefits		4/12/2017	Owner Keywords					

Image 193: The popup menu for selecting the »Authenticity evidence« command

The user can obtain authenticity evidence also by selecting the icon GET in the set »More« of the »Details« tab in the right view.

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IMiS/Archive Server → Human Resources and P	NEW Ø C	DPEN
Title ^	- Promotion	n and Tenure X
Administration		
Awards and Recognition	DETAILS	SECURITY ACTIVITY
C Education	Title Description	Promotion and Tenure
Employee Records	Created	
	Modified	4. Dec 2017, 13:44
General	Status	Opened Inherited
Pension and Benefits	Security class	
Pension and benefits	Significance	Vital Inherited
Promotion and Tenure	Owner Keywords	
Salary and Payroll	> Retention	
Staff Appointments	✓ More	
	Classification Code	05.04
	Classification Code Generated	Automatic
	Template	Class
	Туре	Class
	Permanent	No
	Authenticity evidence	GET
	Accessed	2. Oct 2018, 11:59
	Opened	4. Dec 2017, 13:44
	Identifier	h2gvyyUGPT8QNYIL-N7gZaSnGlWGYd5Q

Image 194: Obtaining authenticity evidence in the »Details« tab

The notification bar in the bottom part of the user interface shows the information about saving a file with authenticity evidence.

	Open Always open files of this type
	Show in folder
	Cancel
Promotion and Tenzip	~



Vindows10_PC > Prenosi > Promotion and Tenure - AIP								
	Ime	Vrsta	Stisnjena velikost	Zaščiten z	Velikost	Razmerje	Datum spremembe	
	AIP	XML Document	1 KB	Ne	1 KB	31%	2. 10. 2018 11:57	
	EvidenceRecord_0	XML Document	6 KB	Ne	11 KB	51%	2. 10. 2018 11:57	

Image 196: A directory with two files containing authenticity evidence

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 197: Example archive information package

<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.

<?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"> <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#" Id="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>fWwSCkWO4udY+/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 xmIns:ds="http://www.w3.org/2000/09/xmIdsig#" 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>
</CryptographicInformationList>
</ArchiveTimeStamp>
</ArchiveTimeStampChain>
</ArchiveTimeStampSequence>
</EvidenceRecord>

Image 198: Example evidence record

4.3.10 Import

Each import action on the IMiS[®]/ARChive Server is logged in the »Import« folder contained in the »Administration« system folder in the left view. This folder can only be accessed by users who have been assigned the »Reports« role and the appropriate rights to import logs. For more information on roles see chapter Access in the IMiS[®]/ARChive Server Manual.

The IMiS[®]/wClient enables the review of imported entities on the IMiS[®]/ARChive Server, including import data. The imported entities reviewed by the user are prepared in the prescribed XML format. For more information on the file format for import and the file structure see chapter Format of the import / export file.

Archive My entities	Import				:= 31 results
Drafts	Title 🗸	Description	Modified		
Sectory	€ 2018-09-21T15:45:26.9356540+02:00	Import started at 2018-09-21	21/9/2018	2018-09	-21T15:45:26.9356540+ ×
👻 🗔 Administration	2018-09-20T17:21:55.2428277+02:00	Import started at 2018-09-20	20/9/2018	DETAILS	SECURITY ACTIVITY
Reviews Export	2018-09-20T17:06:41.0883874+02:00	Import started at 2018-09-20	20/9/2018	Title Description	2018-09-21T15:45:26.9356540+02:00 Import started at 2018-09- 21T15:45:26.9356540+02:00
↗ Import ▼	2018-09-20T17:02:51.3116586+02:00	Import started at 2018-09-20	20/9/2018	Status	Closed
DisposedDeleted	2018-09-20T16:57:47.9508037+02:00	Import started at 2018-09-20	20/9/2018	Security class Significance	
Mueue Queue	■ 2018-09-20T16:54:39.3544140+02:00	Import started at 2018-09-20	20/9/2018	Owner Keywords	
	2018-09-20T16:51:49.9345045+02:00	Import started at 2018-09-20	20/9/2018	Categories	
	■ 2018-09-20T16:50:55.56666692+02:00	Import started at 2018-09-20	20/9/2018	Classification Code	sys.Logs.Import/000031
	2018-09-20T16:44:37.6464559+02:00	Import started at 2018-09-20	20/9/2018	Template	sys:AutonomousLog
	2018-09-20T16:43:26.8061458+02:00	Import started at 2018-09-20	20/9/2018	Permanent	No
	2018-09-20T16:42:14.9954431+02:00	Import started at 2018-09-20	20/9/2018	Created Modified	Administrator 21. Sep 2018, 15:45 21. Sep 2018, 15:45
	≥ 2018-09-20T16:38:51.3321636+02:00	Import started at 2018-09-20	20/9/2018	Accessed Opened	8. Oct 2018, 15:19 21. Sep 2018, 15:45
	■ 2018-09-20T16:38:00.1374124+02:00	Import started at 2018-09-20	20/9/2018	Closed Identifier	21. Sep 2018, 15:45 ffcaYBcrK1nJEzFWIkXCdV1Lv5FBNraU
	2018-09-20T16:36:28.2891838+02:00	Import started at 2018-09-20	20/9/2018	External Identifiers	

Image 199: Display of the »Import« folder in the »Administration« system folder

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By selecting the import record from the list, the user is shown the following log files:

- XML report
- Report
- Error report.

Import > 2018-08-30T10:59:32.78			NEW OPEN	✓ EDIT ACTIONS ~ := 3 results
Title	Size	Modified		
ML report	8.7 kB	30/8/2018	Report	×
Report	7.4 kB	30/8/2018		
Error report	0 B	30/8/2018	Content Type text	/plain
				кв Aug 2018, 11:07
				Aug 2018, 11:07 Ict 2018, 09:34
			Indexed Yes Signed No	
				8Y7MovQ_0sgRISj4GlOl1KcxXYaUL



By selecting the popup menu on the import report, the user can choose from the following options:

Preview

For more information on content preview see chapter <u>Content preview</u>.

Download

For more information on downloading content see chapter <u>Downloading content</u>.

Details

For more information on content information see chapter <u>Content details</u>.

- Manage
 - Queue for Indexing

For more information on indexing content see chapter <u>Indexing content</u>.

- Queue for Conversion

For more information on content conversion see chapter **<u>Content conversion</u>**.

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Import > 2018-09	-19T14:37:31.42			NEW	OPEN ✓ EDIT ACTIONS ✓ IIII 3 results
Title	Size	Modified			
🚯 XML report	3.4 kB	19/9/2018		Report	×
Report	592 B	19/9/2018		Description	Report TEXT
Error report	0 B	19/9/2018	Q	Preview	text/plain
	00	19/9/2010	8	Download	592 B
			0	Details	19. Sep 2018, 14:37
				Manage	19. Sep 2018, 14:37 8. Oct 2018, 10:16
				Indexed	Yes
				Signed	No
				Identifier	xBE6aeu1G7L_6BPvlVigZk0nvuXT5eu2



4.3.11 Export

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 see chapter Format of the import / export files.

For more information on server roles see Access chapter in the IMiS[®]/ARChive Server Manual.

Every export action from the IMiS[®]/ARChive Server is recorded in the »Export« folder located in the »Administration« system folder.

Archive My entities	Export				I 322 results
Drafts	Title 🗸	Description	Modified		
Directory	2018-10-10T10:57:46.401+02:00	Export started at 2018-10-10	10/10/2018	2018-10	-10T10:57:46.401+02:00 ×
✓ □ Administration	2018-10-10T10:57:13.293+02:00	Export started at 2018-10-10	10/10/2018	DETAILS	SECURITY ACTIVITY
Reviews	2018-10-05T14:45:23.938+02:00	Export started at 2018-10-05	5/10/2018	Title Description	2018-10-10T10:57:46.401+02:00 Export started at 2018-10-10T10:57:46.401+02:00
 >> Import → Trash 	2018-10-05T14:27:28.004+02:00	Export started at 2018-10-05	5/10/2018	Status Security class	Closed
Disposed	2018-10-05T14:26:11.902+02:00	Export started at 2018-10-05	5/10/2018	Significance Owner	
Queue	2018-10-05T13:36:00.967+02:00	Export started at 2018-10-05	5/10/2018	Keywords Categories	
	2018-10-05T12:31:41.952+02:00	Export started at 2018-10-05	5/10/2018	> Retention	
	2018-10-04T15:20:53.868+02:00	Export started at 2018-10-04	4/10/2018	Classification Code	sys.Logs.Export/000322
	2018-10-04T14:59:20.681+02:00	Export started at 2018-10-04	4/10/2018	Template Type	sys:AutonomousLog Document
	2018-10-04T14:58:08.535+02:00	Export started at 2018-10-04	4/10/2018	Permanent Created	No
	2018-10-04T14:57:58.882+02:00	Export started at 2018-10-04	4/10/2018	Modified Accessed	10. Oct 2018, 10:57 10. Oct 2018, 11:13
	2018-10-04T14:57:34.562+02:00	Export started at 2018-10-04	4/10/2018	Opened	10. Oct 2018, 10:57
	■ 2018-10-04T13:57:35.4690690+02:00	Export started at 2018-10-04	4/10/2018	Closed Identifier External Identifiers	10. Oct 2018, 10:57 AZKIcPtH9qX8mmgPPPfl_UamZd6Hbkyv

Image 202: Display of the »Export« folder in the »Administration« system folder and the document selected for export

4.3.11.1 Exporting the entire classification scheme

The user begins the procedure of exporting the entire classification scheme by selecting the »Actions« command in the command bar and the »Export« action in the popup menu before selecting the root class.

IMIS/Archive Server				NEW ⊗ OPEN ≠ EDIT ACTIONS ↓ IIII results
Title [▲]	Classification Code	Description	Modified	∠ Export
Administration	01	Company docum	13/11/2018	Archive
Custom Relationship Management	04	Customer and B	13/11/2018	Audit Query Content Management Import/Export Reports
Finance	02	Account payable,	13/11/2018	Draft management Content Convert Content Detach Content Index Content Move
Human Resources and Payroll	05	Employee records	13/11/2018	Name IMiS/Archive Server The archiving of unlimited quantities of binary
Legacy object containers	99	Class holding leg	15/6/2013	Host iarc99rc.imis.si:16807
Projects	06	IMiS projects	13/11/2018	
Supply Chain management	03	Supply planning	13/11/2018	

Image 203: Selecting the »Export« command at the level of the entire classification scheme

After completing the export of the entire classification scheme, the user is shown a notification in the bottom bar about saving the export file (IMiS_Archive Server.zip).

	Open
	Always open files of this type
	Show in folder
	Cancel
IMiS_Archive Server.zip	~

Image 204: Notification about saving a file of exported entities of the entire classification scheme

🔋 > Windows10_PC > Prenosi > IMiS_Archive Server > ^ Stisnjena velikost Zaščiten z ... Velikost Razmerje Datum spremembe Ime Vrsta ExportData Mapa z datotekami 14. 11. 2018 10:08 Besedilni dokument ExportReport 2 KB Ne 10 KB 87% 14. 11. 2018 10:08 ExportReport XML Document 9 KB Ne 26 KB 67% 14, 11, 2018 10:08

By selecting the »Open« command, export reports open for the user.



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By selecting the ExportReport, the user is shown a more detailed notification about the export.

ExportReport – Beležnica	_		×
Datoteka Uredi Oblika Pogled Pomoč			
ExportData/class_88.xml2018-11-14T11:00:57.731+0100 - Exported C	lass	'05.04'	~
into file ExportData/class_89.xml2018-11-14T11:00:57.820+0100 -	Export	ted	
Class '05.05' into file ExportData/class_90.xml2018-11-14T11:00:	57.91	0+0100	-
Exported Class '05.06' into file ExportData/class_91.xml2018-11-			
14T11:00:57.997+0100 - Exported Class '05.07' into file			
ExportData/class_92.xml2018-11-14T11:00:58.089+0100 - Exported C	lass	'05.08'	
into file ExportData/class_93.xml2018-11-14T11:00:58.179+0100 -	Export	ted	
Class '05.09' into file ExportData/class_94.xml2018-11-14T11:00:	58.26	2+0100	-
Exported Class '06' into file ExportData/class_95.xml2018-11-			
14T11:00:58.424+0100 - Exported Class '06.01' into file			
ExportData/class_96.xml2018-11-14T11:00:58.521+0100 - Exported C	lass	'06.02'	
into file ExportData/class_97.xml2018-11-14T11:00:58.610+0100 -	Export	ted	
Class '06.03' into file ExportData/class_98.xml2018-11-14T11:00:	58.699	9+0100	-
Exported Class '06.04' into file ExportData/class_99.xml2018-11-			
14T11:00:58.788+0100 - Exported Class '06.05' into file			
ExportData/class_100.xml2018-11-14T11:00:58.881+0100 - Exported	Class	'06.06	51
into file ExportData/class_101.xml2018-11-14T11:00:59.043+0100 -		rted	
Document '06.06/000003' into file ExportData/document_11.xml2018			
14T11:00:59.088+0100 - Exported Class '99' into file ExportData/	-	_102.xm	1
Class entities: OK(102) Fail(0)Folder entities: OK(1) Fail(0)Doc	ument		
entities: OK(11) Fail(0)			~

Image 206: Display of a more detailed notification about the export of the entire classification scheme

4.3.11.2 Exporting an individual part of the classification scheme

The procedure of exporting an individual part of the classification scheme begins by selecting an entity in the classification scheme or from the list of entities.

IMiS/Archive Server				NEW 📀 0	PEN		EDIT ACTIONS	~ =
Title 🔺	Classification Code	Description	Modified	-		Ô	Status	resul
Administration	01	Company docum	13/11/2018	Projects		۲	Security class	
Custom Relationship Management	04	Customer and B	13/11/2018	DETAILS		•	New reference	Y
Finance	02	Account payable,	13/11/2018	Title Description	Proj IMiS		Authenticity evidence	
Human Resources and Payroll	05	Employee records	13/11/2018	Created	0. 0.	⊕ ≣	Move Delete	
Legacy object containers	99	Class holding leg	15/6/2013	Status	Opei	Ľ	Export	
Projects	06	IMiS projects	13/11/2018	 Security class Significance				
Supply Chain management	03	Supply planning	13/11/2018	Owner Keywords				
				> Retention				
				> More				

Image 207: Selecting the »Export« action

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After selecting the »Actions« command in the command bar and the »Export« action in the popup menu, the user is shown a dialog box for setting the export parameters.

Export Projects		×
Scope	Projects	
Classification Code	06	
Options		
	Recursive Export parents	
Include		
	CLASSES FOLDERS DOCUMENTS	
	Activity Authenticity evidence	
Include metadata	file	
s	Select metadata file	
	EXPORT CANC	EL

Image 208: Setting the export via a 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.

For greater clarity, the classification code of the selected entity is also available.

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

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

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

- Classes
- Folders
- Documents.

By choosing »Audit log«, user can also export the audit log for individual exported entities. In case authenticity evidence for the selected entity already exists on the archive, the user can include them by using the »Authenticity evidence« option. 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 see chapter <u>Format of the additional metadata export</u> <u>file</u>.

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

Export Project	S	>
Scope	Projects	
Classification Code	06	
Options		
	 Recursive Export parents 	
Include		
	CLASSES FOLDERS DOCUMENTS	
	Activity V Authenticity evidence	
Include metadat	a file	
	Client.xml	
	EXPORT CANC	EL

Image 209: Implementing the export procedure

The entities are exported in the XML format to the default directory »Downloads«. The user can access the export details from the notification bar by selecting the action »Open« in the popup menu.





🔢 > Windows10_PC > Prenosi > Projects >						
Ime	Vrsta	Stisnjena velikost	Zaščiten z	Velikost	Razmerje	Datum spremembe
ExportData	Mapa z datotekami					14. 11. 2018 11:07
ExportReport	Besedilni dokument	1 KB	Ne	1 KB	70%	14. 11. 2018 11:07
ExportReport	XML Document	4 KB	Ne	6 KB	44%	14. 11. 2018 11:07



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By selecting the ExportReport, the user is shown a more detailed notification about the export.



Image 212: Display of a more detailed notification about the export

<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.

4.3.11.3 Export procedure

At the start of the export procedure, the IMiS[®]/wClient 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 two or 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.

2018-08-23T13:40:03.6077245+02:00 - ER	OR: Unable to export Class "0	7". Error "key is not is n	not found.".
2018-08-23T13:40:03.7442354+02:00 - ER	OR: Unable to export Document	"07/000001". Error "key i	is not is not found.".
2018-08-23T13:40:03.7852115+02:00 - ER	OR: Unable to export Document	"07/000002". Error "key i	is not is not found.".
2018-08-23T13:40:03.8311923+02:00 - ER	OR: Unable to export Document	"07/000005". Error "key i	is not is not found.".
2018-08-23T13:40:03.8681634+02:00 - ER	OR: Unable to export Document	"07/000006". Error "key i	is not is not found.".
2018-08-23T13:40:03.9061416+02:00 - ER	OR: Unable to export Document	"07/000007". Error "key i	is not is not found.".
2018-08-23T13:40:03.9431203+02:00 - ER	OR: Unable to export Document	"07/000008". Error "key i	is not is not found.".
2018-08-23T13:40:03.9781000+02:00 - ER	OR: Unable to export Document	"07/000009". Error "key i	is not is not found.".

Image 213: An example of an error report in the export procedure

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 during import, the other

sub-entities will still be exported, providing the export of the parent entity was successful.

Export > 2018-10-04T13:57:35.4	6		NEW	⊙ OPEN ✓ EDIT AC	TIONS ✓ ≔
Title	Size	Modified	Report		3 results
A XML report	5.7 kB	4/10/2018	кероп	l de la construcción de la constru	×
Report	1.3 kB	4/10/2018	Description Type	Report TEXT	
Error report	0 B	4/10/2018	Content Type Size	text/plain 1.3 kB	
			Created Modified	4. Oct 2018, 13:57 4. Oct 2018, 13:57	
			Accessed Indexed	4. Oct 2018, 13:57 Yes	
			Signed Identifier	No EEqO-XwPGwwp859pxs5QAN	BJfI7ZY6xL

Image 214: Display of an export report in the »Export« administration system folder

Export > 2018-08-23T12:16:56.97		NEW 📀 0	
Title Size Modified			3 results
XML report 2.9 kB 23/8/2018		Report	×
Report 1.0 kB 23/8/2018		Description	Report
	<u>م</u>	Preview	хт
Error report 934 B 23/8/2018		Download	t/plain I kB
	0	Details	Aug 2018, 12:17
	1.0	Manage	Aug 2018, 12:17
	- L.		Oct 2018, 10:59
		Indexed	Yes
		Signed	No
		Identifier	VTcR_24C9EMf2W7KfXMe65RaQsyTnRVW

Image 215: Popup menu on the export report

4.3.12 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 see chapter Entity information.

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

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

4.3.12.1 Immediate deletion of an entity

Prior to deletion, the user has to make sure the classes or folders he is about to delete do not contain entities. Entities namely cannot be deleted. The same is valid for all closed entities (the value of the »Status« attribute is »Closed«).

The user can delete an entity by selecting the »Actions« command in the command bar and »Delete« in the popup menu.

IMiS/Archive Server > Human Resour	ces and P			NEW OPEN		EDIT	ACTIONS ~	
Title 🕈	Description	Modified			ê	Status		results
 Administration 		4/12/2017	•••	Administratior	·	Security cla		×
Awards and Recognition		4/12/2017		DETAILS	e	New refere		٠Y
Education		4/12/2017	Title	Adm	Ľ		ty evidence	
-			Descript Status	on Oper	÷	Move		
Employee Records		4/12/2017	Security	class	Î	Delete		
General		17/9/2018	Significa	ince Vital	Ľ	Export		
Pension and Benefits		4/12/2017	Owner Keyword	Is				

Image 216: Selecting the »Delete« command

A dialog box opens for giving the »Reason to delete« and the »Description«, which are required.

Delete entity		×
Title	Administration	
Classification Code	05.09	
Description*	Human resources administration	
Reason to delete*	Administration moved to another class	
	OK CANCE	L



After both values have been entered, the »OK« command is enabled. The user can either confirm the deletion or cancel it by selecting the »Cancel« command.

4.3.12.2 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 see chapter <u>The »Security« tab</u>.

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

- 1. User finds and selects the entity he wishes to mark for later deletion.
- 2. By choosing the »Edit« command, the selected entity is opened in editing mode.
- 3. In the first tab »Details«, 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.

Administration				×
	DETAILS	SECURITY	RETENTION	
Title*	Administration Mandatory value for naming entity			
Description	Human resources administaration			
Significance	Delete			•
Owner	Vital Inherited			
Keywords	None Vital			
External Identifiers	Permanent Retain			
Classification Code Generated	Delete			
			SAVE	CANCEL

Image 218: Marking an entity for later deletion

4.3.12.3 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.

	X + 1.imis.si/wclient/1.2.1810.2-beta/#/archive/iarc/	'trash/queue		
IMiS/wClient	Search	Q #		
 Archive My entities 	Queue			
Drafts	Title	Classification Code	Description	Modified
Les Directory	Administration	05.09	Human resource	2/10/2018
- C Administration	Other	16	Verious docume	1/10/2018
 Reviews Export Import Trash Disposed Deleted Queue 				

Image 219: A list of entities suggested for deletion in the »Delete queue list« folder

By selecting the »Queue« folder, the central view shows all the entities that were marked for deletion by various users.

Besides the title of the entity, the central view also shows the user information about the classification code, description and the last modified date.

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 popup menu on the entity selected from the list. For more information on deletion procedure see chapter <u>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.
- 2. By choosing the »Edit« command in the top command bar, the selected entity is opened in editing mode.
- 3. In the first tab »Details«, 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.

Administration				×
_	DETAILS	SECURITY	RETENTION	
Title*	Administration Mandatory value for naming entity			
Description	Human resources administaration			
Significance	Retain		-	
Owner	Vital Inherited			
Keywords	None			
	Vital			
External Identifiers	Permanent			
External identifiers	Retain			
Classification Code Generated	Delete			
			SAVE CANC	EL

Image 220: 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.

4.3.12.4 Deleted entities

Each entity deleted by the user is located in its basic form in the »Deleted« subfolder of the »Trash« folder in the »Administration« system folder.

By selecting the »Trash« folder, the central view will display all the deleted entities.

The list of deleted entities shows the following entity information:

- »Title«: The title of the deleted entity
- »Classification code«: The classification code 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.
- Modified: The date of the last change.

IMiS/wClient	Search Q #				😮 Keira Clay 🗸
Archive My entities	Deleted				185 results
Drafts	Title 🔺	Classification Code	Description	Modified	
Directory	盲 Fwd:複写資料が到着しました【武蔵大学図書館】	07/000003	Japanese mail		
👻 💭 Administration	i FYI - Cong. Barton here to meet with Ken Lay - Cynthia will fly to Houston for	01.02.01-2017-000040/000006	3.1087948.N0TEIKSLXKFBEGJM		
 Reviews Export 	i FYI-ELCON presentation due	14.01-2018-000003/000009	3.1069650.IPXWKB5LFCPU04K		
 ↗ Import ▼ ■ Trash 	iii Gill Lombardi	01.01.01-2017-000001/000035	Baxter group member		
DisposedDeleted	Govt Affairs Update Conf Call EB 1049 713-853-3233 passcode 6500	01.01.01-2017-000001/000008	3.1059127.LBGF0FUS1VEXFKW		
P Queue	i Hillary McDonald	01.01.01-2017-000001/000003	Baxter group member		

Image 221: Display of the »Deleted« folder in the »Administration« system folder

The title, classification code and description are the only attributes still preserved when an entity has been deleted. All other metadata of the entity is erased and 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 from the IMiS®/ARChive Server.
- »Identifier«: unique identifier of the user.

4.4 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: The attribute is accessible to all users no matter what access rights and roles they have.
- Required: The attribute value has to be input before the entity can be saved.
- Read-only: Attributes can be read but not edited.

Attributes can have multiple values, pick list values or any combination of possible properties.

Attribute values can also be inherited.

Name of attribute property	Description
Public	Attribute is publicly 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.

The table below describes the possible attribute properties.

 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 (e.g. transfer)

All the system attributes of the $\ensuremath{\mathsf{IMiS}}\xspace^{\ensuremath{\mathsf{R}}}\xspace$ ARChive Server are described below.

4.4.1 General system attributes

The general system attributes of an entity consist of various attributes such as »Title«, »Description« and »Classification code«. They 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. The table below lists and describes all the general system attributes.

Description				
Contains the entity's classification code within the classification scheme.				
The classification code is generated automatically on the archive server.				
Example: The classification code 01-2018-00004/00001 represents				
document 00001, located inside folder 2018-00004, located inside class 01.				
The classification code is a publicly accessible type of metadata.				
Saves/contains the title of the entity. The title is a required, public metadata				
that enables search.				
Saves/contains a short description of the entity.				
The description is a public metadata.				
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.				
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.				
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.				
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.
	<u>Warning</u> : 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

4.4.2 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

4.4.3 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

4.4.4 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

4.4.5 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

4.4.6 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

4.4.7 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

4.4.8 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

4.4.9 Entity attributes in the decision-making process

Decision-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

4.5 Authenticity

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

4.5.1 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.
- Safe deletion of data in electronic form.

4.5.1.1 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.

4.5.1.2 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.

4.5.2 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.

4.5.2.1 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.

<u>Note</u>: The IMiS[®]/wClient does not (yet) enable the electronic signing of TIFF and PDF/A-type files.

4.5.2.2 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[®]/wClient 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 in the bottom part of UI.

3	Size	Modified		Paymen	t transaction recorded	i
Content	1.1 kB	18/10/2018		- ujinci		
94EEB3DE4EF21456DD0ECC9A28D85A87.eml	10.9 kB	18/10/2018		DETAILS	SECURITY	ACTIVITY
smime.p7s	3.8 kB	18/10/2018		Title Description	Payment transaction recor	ded in the PayU Syste
				Created	🔗 Administrator 18. Oct :	2018, 08:31
XML report.xml	3.8 kB	24/10/2018		Modified	24. Oct 2018, 11:39	
				Status	Opened Inherited	
				Security class	Unclassified Inherited	
				Significance	Retain Inherited	
				Owner		
				1		
			0	Keywords Categories	ecorded in the PayU System	n
			U	Entity saved Retention Digital signature verific	ation started: 2018-10-241	F09:39:49.889Z
			Verifying XML repo [0bd1ac9af5c8222 1b5e730b7a2]: Signature status: \ Certificate (subjec	Verifying XML report.x [0bd1ac9af5c8222fa4 1b5e730b7a2]: Signature status: VALI Certificate (subject: '/C serial: '3e09a2ed00000 expired	ml cea957ca0aadc1c93974ec D C=si/DC=imis/OU=IMiS/C 00000c9') verification: cer	:f19a383206831 N=Marko Hren', tificate has

Image 222: Popup window containing the result of the document's electronic signature verification.

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The popup window automatically closes after a few seconds. The signature is automatically verified when a document is being archived to the server. The archive server also saves documents with invalid electronic signatures.

6	Keywords Invoice_Telekom Slovenije.pdf Entity created
	Digital signature verification started: 2018-10-18T07:11:46.115Z
	Verifying Invoice_Telekom Slovenije.pdf [afa67ccaf3d1efbabd73944976e900700b435a3b425ef103816c1 197c59de162]:
	Signature status: VALID Signing certificate subject:
	'/C=SI/ST=Slovenija/OU=individuals/SN=Hren/GN=Marko/CN=M arko Hren/serialNumber=2490136512018'
	Signing certificate issuer: '/C=SI/O=Republika
	Slovenija/2.5.4.97=VATSI-17659957/CN=SIGEN-CA G2' Valid from: '2017-09-28T13:03:03Z' Valid to: '2022-09-28T13:33:03Z'
	Digital signature verification ended: 2018-10-18T07:11:46.188Z

Image 223: Example of a report for a valid electronic signature and valid digital certificate



Image 224: Example of a valid electronic signature and an expired digital certificate

Payment transaction recorded in the PayU System Entity created Digital signature verification started: 2018-10-18T06:31:39.354Z Verifying 94EEB3DE4EF21456DD0ECC9A28D85A87.eml [8753e52488616b7f24a332da8868f7b39e850699405a9d00c969 00d5a4f4ca76]: Signature status: VALID Error occurred while checking certificate chain (Can not find signer certificate in cache ('/C=BE/O=GlobalSign nvsa/CN=GlobalSign PersonalSign 2 CA - SHA256 - G2').) Digital signature verification ended: 2018-10-18T06:31:39.412Z

Image 225: Example of a valid electronic signature for which the certification authority could not be verified.



Image 226: Example of an invalid electronic signature due to a modification of the document after signing.
4.6 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.

IMiS[®]/wClient 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.

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



Image 227: The »Reviews« folder in the left view

The review process can be implemented by users with the »Read« access rights, which grants them access to the »Reviews« folder. Creating reviews is enabled for users with the »Create entities« right.

4.6.1 Preparation phase

In the left view, the user selects the »Administration« system folder in which the »Reviews« folder is located. By selecting the folder, the central view shows the already prepared »Reviews«, if any.

Reviews			NEW
Title	Description	Modified	
Review A-3 October 2018	10-years regular review	8/10/2018	
Review B-4 October 2018	Ad-hoc review	3/10/2018	
Review B-6 October 2018	Ad-hoc review	4/10/2018	
Review G-4 September 2018	Ad-hoc review	5/10/2018	
Review H-3 August 2018	5-years regular review	4/10/2018	
🗧 皮 Review B-6 November 2018	Ad-hoc review	4/10/2018	

Image 228: A list of reviews in the review process

By selecting the »New« command, a pop-up menu appears, where the user selects the Type and Retention policy.

4.6.1.1 Review types

The user can choose 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.

Create review		×
Type Retention policy	Review regular Review regular	•
Retention policy	Review ad hoc	
	NEXT CAN	NCEL



4.6.1.1.1 Regular review

When selecting the default value »Regular review«, the user also selects the appropriate »Retention policy« in the popup menu.

Create review			×
Туре	Review regular	•	
Retention policy	10 years + National Archives	•)
	10 years + National Archives		
	3 years		
	10 years		
	5 years		
	2 years		
	Permanent		

Image 230: Creating a new »Regular review« in the preparation phase

After confirmation with the »Next« command, the user is shown the attributes of a new review in the review process.

Create review			×
	DETAILS	SECURITY	
Title*	Review G-3 December 2017		
Description	10 years Regular review		
Status	Opened		-
Owner	🔇 Keira Clay		-
Keywords	regular ×		
Members*	Jack × Jill × Jones ×		
Comments	G-3 Division review / December 2017		
		CREA	CANCEL

Image 231: Display of review attributes in the review process

In the »Security« tab the user with the appropriate rights defines the access permissions for users, groups and attributes of the directory entity type. For more information on defining access permissions see chapter <u>Entity access</u>.

Create review						×
DE	TAILS		SECU	RITY		
· · ·	ADD		Permissions	Entity	•	
Search	Permission	Effective	Inherited	Explicit		
Creator	Read	~	Allow	ALLOW	DENY	
	Write	~	Allow	ALLOW	DENY	
🔇 Keira Clay	Move	~	Allow	ALLOW	DENY	
C Owner	Delete	~	Allow	ALLOW	DENY	
🚉 System Administrators	Create entites	~	Allow	ALLOW	DENY	
	Change	1	Allow	ALLOW.	DENV	
				CREAT	CANCEL	-

Image 232: Access permissions for review in the »Security« tab

4.6.1.1.2 Ad-hoc review

After selecting the »Ad hoc« command, the field for entering the value of the attribute »Expression« appears to the user. The user enters a query into the »Expression«, based on which a list of selected entities will be created.

Create review		×
Туре	Review ad hoc	•
Expression	[sys:owner] = "anelson"	
	NEXT CAN	CEL

Image 233: Entering a search expression in the »Ad hoc« review

After confirmation by clicking on the »Next« button, a dialog window shows the tabs of a new review in the ad-hoc review process.

The »Attributes« tab contains the list of all process attributes which can be entered by the user. For more information on entering metadata see chapter <u>Entering entity metadata</u>.

Create review		×
	DETAILS SECURITY	
Title*	Review G-4 September 2018	
Description	Ad-hoc review	
Status	Opened -	
Owner	😂 Marco Welch 🗸	
Keywords	adhoc ×	
Members*	Peter × Paul × Pascal ×	
Comments	G-4 division ad-hoc review [Owner = anelson]	
	CREATE CANC	EL

Image 234: Display of the attributes of the review process in the »Ad hoc« mode

By creation of the review, two attributes are mandatory: »Title« and »Members« performing the entity review. As in a regular review, the user with the appropriate rights defines the access permissions for users, groups and attributes in the »Security« tab.

After entering the metadata, the user saves the review to IMiS[®]/ARChive Server by selecting the action »Create«.

Reviews			NEW	OPEN	✓ EDIT ✓ SAVE	ACTIONS ∨ :■
						14 results
Title	Description	Modified		Review	B-6 October 2018	×
📄 👩 Review A-3 October 2018	10-years regular review	9/10/2018		Keview	5 0 000061 2010	^
Review B-4 October 2018	Ad-hoc review	3/10/2018	_	DETAILS	SECURITY	ACTIVITY
		_	1	Title	Review B-6 October	2018
Review B-6 October 2018	Ad-hoc review	16/10/2018		Description	Ad-hoc review	
			s	Status	Opened	
Review G-4 September 2018	Ad-hoc review	19/10/2018	0	Dwner	🔇 Keira Clay	
🗧 皮 Review H-3 August 2018	5-years regular review	4/10/2018	•••	Keywords	adhoc	
			s	State	InReview	
🗧 👩 Review B-6 November 2018	Ad-hoc review	4/10/2018	N	Message	Review prepared	
Review H-3 July 2018	5 years regular review	9/10/2018	A	Authenticity evidence	GET	
			0	Dreated	🥋 Administrator 3.	Oct 2018, 09:37
📒 👷 Review J-2 August 2018	Ad-hoc review	8/10/2018	ŀ	dentifier	Cos_3ojiuCM7c9S1E	gpQCl48oYTjbEEt

Image 235: Display of a saved ad-hoc review

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.

<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.

4.6.1.2 Canceling the review process

The review process can be discarded by team members at any time with the »Discard« command. They do that by selecting the »Actions« command in the command bar and the »Discard« action in the popup menu.

Reviews			NEW 💿 OPEN 🖌 EDIT 🔪 SAVE	ACTIONS ∨ :≡
Title [▲]	Description	Modified	Comple	e
🗧 👩 Review A-3 October 2018	10-years regular review	9/10/2018	Review G-3 De 🖉 Transfer	Transfer
Review B-4 October 2018	Ad-hoc review	3/10/2018	DETAILS Discard	Y
🗧 👩 Review B-6 November 2018	Ad-hoc review	4/10/2018	Title Review o-a becompetender Description 10 years Regular revi	
Review B-6 October 2018	Ad-hoc review	16/10/2018	Status Opened Owner 📀 Keira Clay	
Review G-3 December 2017	10 years Regular review	24/10/2018	Keywords regular	
Review G-4 September 2018	Ad-hoc review	19/10/2018	State InReview Message Review prepared	
Review G-5 November 2017	2-years regular review	15/10/2018	Created Administrator 24 Identifier elw-83-tDMKxfZRLfrc	

Image 236: Cancellation of the review process using the »Discard« command

After discarding the review process, 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 discarded by the user. In this case the entire review process must be recreated.

Reviews			NEW	• OPEN	EDIT 🖌 SAVE A	CTIONS V III
Title ¹	Description	Modified			0.0	
📴 皮 Review A-3 October 2018	10-years regular review	9/10/2018		Review G	-3 December 2017	×
Review B-4 October 2018	Ad-hoc review	3/10/2018		DETAILS	SECURITY	ACTIVITY
🚬 皮 Review B-6 November 2018	Ad-hoc review	4/10/2018		Title Description	Review G-3 December 2017 10 years Regular review	
Review B-6 October 2018	Ad-hoc review	16/10/2018		Status Owner	Closed Keira Clay	
Peview G-3 December 2017	10 years Regular review	24/10/2018	•••	Keywords	regular	
Review G-4 September 2018	Ad-hoc review	19/10/2018	***	State Message	Discarded Review discarded	
Review G-5 November 2017	2-years regular review	15/10/2018		Created Identifier	Administrator 24. Oct 201 elw-83-tDMKxfZRLfrgz0H587	



4.6.1.3 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. For more information see chapter Filtering process in the IMiS[®]/ARChive Server Manual.

While the review process is in the preparation phase, it cannot be modified. During that time, its »State« attribute shows the »Preparing« value.

Reviews			NEV	N OPEN	EDIT 🖍 SAVE	ACTIONS ∨ :≡ 15 results
Title [▲]	Description	Modified			7	
🗧 皮 Review A-3 October 2018	10-years regular review	9/10/2018		Review A	A-7 July 2018	×
Review A-7 July 2018	5 years Regular review	24/10/2018		DETAILS	SECURITY	ACTIVITY
Review B-4 October 2018	Ad-hoc review	3/10/2018		Title Description	Review A-7 July 2018 5 years Regular review	
🗧 👦 Review B-6 November 2018	Ad-hoc review	4/10/2018		Status Owner	Opened 🕋 Ron Salazar	
Review B-6 October 2018	Ad-hoc review	16/10/2018		Keywords	regular	
e Review G-3 December 2017	10 years Regular review	24/10/2018		State Message	Preparing	
Review G-4 September 2018	Ad-hoc review	19/10/2018		Created Identifier	Administrator 24. Oct ePoesU-YEC3WrOmF2zaS	

Image 238: Display of the review in the preparation phase in the »Preparing« state

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.

IMiS®/wClient Manua					Version ²	1.2.1810
Reviews			NEV	V 🛛 OPEN 🍡	EDIT 🖌 SAVE	ACTIONS ∨ :≡ 16 results
Title 👻	Description	Modified		- Deview 9	2 January 2019	
Review Z-13 October 2018	2-years regular review	15/10/2018		Reviews	S-3 January 2018	×
∎₀ Review S-3 January 2018	Ad-hoc review	24/10/2018		DETAILS	SECURITY	ACTIVITY
Device M & Deversion 2010	0	15/10/0010		Title	Review S-3 January 2018	
Review M-6 December 2018	2 years regular reviw	15/10/2018		Description	Ad-hoc review	
Review M-5 October 2018	2-years regular review	15/10/2018		Status Owner	Closed Caroline Irwin	
Review J-3 Oktober 2018	5-years regular review / Client	16/10/2018		Keywords	ad-hoc	
Deview 1.2 August 2010	Ad-hoc review	8/10/2018		State	Failed	
🗧 👦 Review J-2 August 2018	AU-HOC TEVIEW	0/10/2018		Message	Unable to locate metadata 'sys:Significanc'.	a attribute named
🗧 🖕 Review H-3 July 2018	5 years regular review	9/10/2018	***	Created	🥋 Administrator 24. Oct	2018, 12:00
				Identifier	fJZxq-EKpswPZZ4Zc4WjM	ME2TMzmK5r5C

Image 239: Display of an error which occurred during the preparation phase of the review process

4.6.2 Decision-making phase

By selecting the folder, the central view shows all of the reviews created. By selecting the appropriate review, review pages are shown along with the associated documents, which are the object of the review process.

eviews > Review M-6 December 20			NEW 💿 O	PEN 🖌 EDIT 🖍 SAVE	ACTIONS ~ :
tle 🗸	Description	Modified		Desistence de sum ent 0/0	
Decisions document 1/3	Regulations	24/10/2018		Decisions document 3/3	
Decisions document 2/3	Mandates	24/10/2018	DE	TAILS SECURITY	ACTIVITY
			Title	Decisions document 3/3	
Decisions document 3/3	Recommendations	24/10/2018	Description		
Decisions - Page 1		15/10/2018	Created	🧛 Administrator 24. Oct	t 2018, 12:15
Decisions - Fage 1		13/10/2010	Modified	24. Oct 2018, 12:15	
			Status		
			Security cl	ass	
			Significant	e	
			Owner		
			Keywords		
			Categories	1	
			> Rete	ntion	
			> More	5	

Image 240: Display of the review pages and documents

In the review the following data is visible for each page:

- Sequential title of the review page in the »Title« line.
- Short description of the review page in the »Description« line.
- Date of last page modification in the »Modified« line.

Each page contains the final number of entities. The default value is 2,000 entities.

By clicking on the selected page, the central 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.

Reviews > Review M-6 December 20 > Dec	cisions - Page 1			NEW 🧿 OPEN 🖌	EDIT 🖌 SAVE	CTIONS ✓ :■ 473 results
Title 👻	Action	Reason	Comment			
Mtg w/Kevin Garland - EB3324	Dispose	Retention policy		Review N	1-6 December 2018	×
Mtg w/Jim Hughes - EB3324	Transfer	Retention policy		DETAILS	SECURITY	ACTIVITY
Meeting w/Tom Gros - EB3259	Permanent	Retention policy		Title Description	Review M-6 December 2018 2 years regular reviw	
Meeting w/Katherine Corbally - EB3259	Dispose	Retention policy		Status Owner	Opened 🔇 Keira Clay	
Meeting w/George Fastuca, Bob Chandler &	Transfer	Retention policy		Keywords State	InReview	
Final PRC - Four Seasons/Highland RM	Review	Retention policy		Message	Review prepared	
Meeting w/Steve Horn, Fitzgerald, Ruane, Le	Review	Retention policy		Members Authenticity evidence	Tine Tone Tina	
Meeting w/Brad McSherry - EB3259	Review	Retention policy		> Retention		
Meeting w/Lou Pai (maybe be rescheduled)	Review	Retention policy		Created	Administrator 15. Oct 20	
				Identifier	3_xWQu3VqOMw5jtLyZP6bq	6Zme3uWJKP



By selecting the icon is to the right of the command bar, the user can define which columns of the selected attributes will be shown on the list of selected entities in the central view. The user can add or remove: »Action«, »Reason« and »Comment«.

Reviews > Review M-6 December 20 > Dec	isions - Page 1		NEV	W 🛛 OPEN 🖌	EDIT /	SAVE ACTIONS → :■
Title 🗸	Action	Reason	Comment			VIEW MODE
Mtg w/Kevin Garland - EB3324	Dispose	Retention policy		Mtg w/JI	m Hughes -	Grid
Mtg w/Jim Hughes - EB3324	Transfer	Retention policy		DETAILS	SECI	VIEW ✓ Action
Meeting w/Tom Gros - EB3259	Permanent	Retention policy		Title	Mtg w/Jim F	√ Reason
Meeting w/Katherine Corbally - EB3259	Dispose	Retention policy		Reason	Retention p	✓ Comment
Meeting w/George Fastuca, Bob Chandler &	Transfer	Retention policy		Comment		
Final PRC - Four Seasons/Highland RM	Review	Retention policy		Transfer Identifier		
Meeting w/Steve Horn, Fitzgerald, Ruane, Le	Review	Retention policy		Classification Code	C=02^C=01^C Navigate to	=01^F=2017-000024
Meeting w/Brad McSherry - EB3259	Review	Retention policy		Title	Mtg w/Jim H	ughes - EB3324
Meeting w/Lou Pai (maybe be rescheduled)	Review	Retention policy		Description Created		rator 30. Nov 2002, 09:00
FYI - Frevert is meeting w/Trey Sutter @ Bush	Review	Retention policy		Modified	4. Dec 2017,	15:29
Fantastic Friday - Doubletree Allen Center	Review	Retention policy		Security class	CIOSED	
Catholic Charity Gala - 7:00p.m.	Review	Retention policy		Significance Owner	🚺 Keira Cla	/

Image 242: Defining the columns of selected attributes in the popup menu

An entity which is included on the list of an individual review page has the following tabs:

- Details: a list of the metadata of the selected entity.
- Security: a review of the effective permissions of directory entities for the selected entity.
- Activity: audit log records for the selected entity.

By clicking on the »Navigate to« button in the right view, the selected entity is shown in the classification scheme.

The user can return to the review by selecting the back arrow in the browser.

Classification Code C=02^C=01^C=01^F=2017-000017
Navigate to

Image 243: Option of viewing an entity from the review

4.6.2.1 Modification of the attribute values in the review

If team members decide that the actions of certain entities must be modified in the review process, they can do so with the »Edit« command.

For more information on attributes see chapter Attributes in the review process.

In the right view, the user can modify the following attributes:

- Action
- Reason
- Comment
- Transferred
- Transfer identifier.

Mtg w/Jim Hughes - EB3324						
DETAILS	SECURITY	ACTIVITY				
Title	Mtg w/Jim Hughes - EB3324					
Action	Transfer	•				
Reason	Retention policy conflict. No def	ault reason availab				
Comment						
Transferred						
Transfer Identifier						
Classification Code	C=02^C=01^C=01^F=2017-00002	24				
	Navigate to					

Image 244: Adding and modifying attribute values in editing mode

Action

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.

If team members decide that the actions of certain entities must be modified, they can perform one of 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.
- »Review«: an action which does not modify the entity's life span. The entity can be selected in the next transfer process.

IMiS [®] /wClient Manual					Version	1.2.1810
Reviews > Review M-6 December 20 > Dec	cisions - Page 1		NE	W 🧿 OPEN 🌶 E	EDIT / SAVE	ACTIONS ~ := 473 results
Title 👻	Action	Reason	Comment	Man widdling	n Hughes - EB3324	
Mtg w/Kevin Garland - EB3324	Dispose	Retention policy		Mtg w/Jin	×	
Mtg w/Jim Hughes - EB3324	Dispose	Retention policy		DETAILS	SECURITY	ACTIVITY
Meeting w/Tom Gros - EB3259	Permanent	Retention policy		Title Action	Mtg w/Jim Hughes - EB33 Dispose	∠4
Meeting w/Katherine Corbally - EB3259	Dispose	Retention policy		Reason	Permanent Transfer	
Meeting w/George Fastuca, Bob Chandler &	Transfer	Retention policy		Comment Transferred	Review Dispose	
Final PRC - Four Seasons/Highland RM	Review	Retention policy		Transfer Identifier		
Meeting w/Steve Horn, Fitzgerald, Ruane, Le	Review	Retention policy		Classification Code	C=02^C=01^C=01^F=2017 Navigate to	000024

Image 245: Modifying the action of an entity in editing mode

<u>Reason</u>

Every time the »Action« attribute is modified it is recommended that team members also record the reason for the modification in the »Reason« attribute.

<u>Comment</u>

In the decision-making phase the team members can comment on their decisions.

Transferred

Team members must specify for each entity on the list whether it has been transferred. They do so by ticking the box.

Transfer identifier

If they wish, the team members can also enter a reference to the transferred entity by entering the value of the »Transfer identifier« attribute.

Reviews > Review M-6 December 20 > Dec	isions - Page 1			NEW	Ø OPEN Ø	EDIT 🖍 SAVE	ACTIONS ~ I
Title 👻	Action	Reason	Comment		-		473 resul
Mtg w/Kevin Garland - EB3324	Dispose	Retention policy			Mtg w/J	im Hughes - EB3324	
Mtg w/Jim Hughes - EB3324	Dispose	Left company 3	Obsolete		DETAILS	SECURITY	ACTIVITY
Meeting w/Tom Gros - EB3259	Permanent	Retention policy			Title Action	Mtg w/Jim Hughes - EB3324 Dispose	
Meeting w/Katherine Corbally - EB3259	Dispose	Retention policy			Reason	Left company 3 years ago	
Meeting w/George Fastuca, Bob Chandler &	Transfer	Retention policy			Comment Transferred	Obsolete	
Final PRC - Four Seasons/Highland RM	Review	Retention policy			Transfer Identifier	6788789	

Image 246: Modifying attribute values in the review

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.

After completing the review of entities on the list, they can apply all the modifications by clicking on the »Save« button or cancel them by returning to the list of reviews.

Modifications of entities are not saved to IMiS[®]/ARChive Server until the user saves the review page. After saving, the list of reviews reappears. The team members can start working on the next review.

4.6.2.2 Canceling the decision-making process

The review process can be cancelled by team members selecting the »Actions« command and the »Discard« operation in the popup menu.

For more information on canceling the review process see chapter <u>Canceling the review</u> <u>process</u>.

4.6.3 Implementation phase

The decision-making phase is followed by the implementation phase. Team members complete the review by selecting »Actions« command and the »Complete« operation in the popup menu.

Reviews			NE	W OPEN 🖌	EDIT 🖌 SAVE	ACTIONS → :=
Title 🗸	Description	Modified			Complete	e results
Review Z-13 October 2018	2-years regular review	15/10/2018		Review M	I-6 De ⊭ Transfer	×
-				DETAILS	🖄 Confirm	Fransfer 'Y
😑 👩 Review S-3 January 2018	Ad-hoc review	24/10/2018		Title	Discard Review M-0 December	
Review M-6 December 2018	2 years regular reviw	15/10/2018		Description	2 years regular reviw	2018
Review M-5 October 2018	2-years regular review	15/10/2018		Status Owner	Opened 🔇 🕥 Keira Clay	
•				Keywords	With a Olay	
Review J-3 Oktober 2018	5-years regular review / Client	16/10/2018		State	InReview	
🗧 皮 Review J-2 August 2018	Ad-hoc review	8/10/2018		Message Authenticity evidence	Review prepared	
Review H-3 July 2018	5 years regular review	9/10/2018		Created	Administrator 15.	Oct 2018 14:41
				Identifier	3_xWQu3VqOMw5jtLy	
👝 👝 Review H-3 August 2018	5-years regular review	4/10/2018				

Image 247: Starting the process of completing the review

IMiS[®]/ARChive Server implements the review process of the disposition, transfer and permanent retention of entities.

Reviews			NEV	W OPEN 🖍	EDIT 💉 SAVE	ACTIONS V IIII
Title 👻	Description	Modified		Deview A	1-6 December 2018	
Review Z-13 October 2018	2-years regular review	15/10/2018		Review	1-6 December 2018	×
😑 👦 Review S-3 January 2018	Ad-hoc review	24/10/2018	***	DETAILS	SECURITY	ACTIVITY
Review M-6 December 2018	2 years regular reviw	24/10/2018		Title	Review M-6 December 201	в
Review M-6 December 2016	z years regular reviw	24/10/2018	L	Description	2 years regular reviw	
Review M-5 October 2018	2-years regular review	15/10/2018		Status Owner	Opened 🔇 Keira Clay	
Review J-3 Oktober 2018	5-years regular review / Client	16/10/2018		Keywords		
	o years regular review / orient	10/10/2010		State	Completing	
Review J-2 August 2018	Ad-hoc review	8/10/2018		Message	Review in progress	
				Authenticity evidence	GET	
e Review H-3 July 2018	5 years regular review	9/10/2018		Created	Administrator 15. Oct 2	2018, 14:41
Creview H-3 August 2018	5-years regular review	4/10/2018		Identifier	3_xWQu3VqOMw5jtLyZP6b	q6Zme3uWJKP

Image 248: During the process of completing the review

It automatically creates a review execute report on the implementation phase and files it among the review contents. For more information see chapter <u>Reviewing and classifying</u> <u>documents</u>.

Reviews > Review M-6 December 20			NEW	OPEN	🖌 EDIT 🥒 SAVE	ACTIONS ~ :=
Title 🗸	Description	Modified		Paulau		
Decisions document 1/3	Regulations	24/10/2018		Review	execute report	×
Decisions document 2/3	Mandates	24/10/2018		DETAILS	SECURITY	ACTIVITY
Decisions document 3/3	Recommendations	24/10/2018		Title Description	Review execute report	
Review execute report		24/10/2018		Created Modified	🕋 Administrator 24. Oct 24. Oct 24. Oct	2018, 13:14
📰 Decisions - Page 1		15/10/2018		Status		
				Security class Significance Owner Keywords Categories > Retention > More		

Image 249: Review execute report

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«.

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Reviews			NEW	OPEN	EDIT 🖌 SAVE	ACTIONS ~ :=
Title 👻	Description	Modified				
Review Z-13 October 2018	2-years regular review	15/10/2018		Review	M-6 December 2018	×
🗧 👩 Review S-3 January 2018	Ad-hoc review	24/10/2018		DETAILS	SECURITY	ACTIVITY
Review M-6 December 2018	2 years regular reviw	24/10/2018		itle escription	Review M-6 December 201 2 years regular reviw	8
Review M-5 October 2018	2-years regular review	15/10/2018		tatus Iwner	🗢 Closed 🔇 🔇 Closed	
Review J-3 Oktober 2018	5-years regular review / Client	16/10/2018		eywords tate	Completed	
Review J-2 August 2018	Ad-hoc review	8/10/2018		lessage uthenticity evidence	Review item action execut	on completed
Review H-3 July 2018	5 years regular review	9/10/2018	с	reated	Administrator 15. Oct	2018, 14:41
💼 👩 Review H-3 August 2018	5-years regular review	4/10/2018	Id	lentifier	3_xWQu3VqOMw5jtLyZP6	oq6Zme3uWJKP

Image 250: Review 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.

4.6.4 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.

 Archive My entities 	Disposed			
Drafts	Title 🗸	Classification Code	Description	Modified
🚉 Directory	Review MH-08		Regular review	
🗕 🖵 Administration	Review MH-07		Regular review	
In the second second	Review MH-06		Regular review	
<i>¬</i> Import▼ Trash	Review MH-05		Regular review /	
 Disposed Deleted Queue 	ERVIEW MH-03		Pregled 10-let	
	Review MH-02		Pregled entitet n	

Image 251: A list of deleted entities in the review process

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By selecting the »Disposed« folder, the central 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, where the following entity information are shown only:

- Title: the title of the disposed entity.
- Classification code: the classification code of the disposed entity.
- Description: a description of the disposed entity.
- Modified: the date of last change.

Disposed							:=
							154 results
Title 🗸	Classification Code	Description	Modified	-			
Zoellick and Stelzer - Call in # 888-232-0370	05.01-2017-000	3.1119507.KE0N		Archive			×
i WTO strategy follow-up call & World Bank	02.01.01-2017-0	3.1058434.MXX			ent Management	Import/Export	Reports
Weekly Retail Meeting, EB 27C1	05.01-2017-000	3.1122448.EVZ4		Draft management Content Index Con	Content Convert	Content Detach	
i webcast mtg. w/ Palmer, etc.	05.01-2017-000	3.1098736.A4JP		Name	IMiS/Archive Serve		
i Water Mtg w/ Amanda Martin	02.01.01-2017-0	3.1099281.LCBU		Description	The archiving of ur objects. iarc99.imis.si:1680	nlimited quantities	of binary



The Title, Classification code and 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.
- Deleted: The date and time of the disposition of the entity.
- Identifier: Unique user identifier.

4.6.5 Transfer of entities

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.

4.6.5.1 Exporting to a file system

The user executes the transfer of entities in the selected review selecting the »Actions« command and the »Transfer« operation in the popup menu.

Reviews → Review B-6 October 2018 → Decisi	ons - Page 1			NEW	OPEN	🖌 EDIT	🖌 SAVE	ACTIONS ~	:=
Title ^	Action	Reason	Comment				Complete		results
Vance Meyer @ 10:15a.m. to brief you on Blo	Transfer	Ad-hoc review.			Revie	w B-6 Oc	in manorer		×
Enron Europe 2001 Budget Review - Boardro	Review	Ad-hoc review.			DETAILS	_	Confirm Tr		Y
Astros' Season Opening	Review	Ad-hoc review.		Titl Des Sta	scription		iew pro october 201 noc review	J	
Birdies for Charity - Junior Achievement	Transfer	Ad-hoc review.		Ow			Keira Clay		
Meeting w/Syntroleum - EB3320 - Mark Agee,	Review	Ad-hoc review.		Key	words	а	dhoc		
Mtg w/Stan Horton - EB3324	Review	Ad-hoc review.		Sta Me	te ssage		eview iew prepared		
FW: 1 millionth trade	Transfer	Ad-hoc review.			mbers		aren; Cornelia; Carm	en	
Meeting w/Frevert, McMahon, McConnell, Sh	Transfer	Ad-hoc review.			mments ated		ner = Alex Nelson Administrator 3. Oct	2018, 09:37	
Steve Kean Meeting - EB4701	Transfer	Ad-hoc review.		Ide	ntifier	Cos	_3ojiuCM7c9S1Dgp	QCI48oYTjbEEt	

Image 253: Transfer of entities in the review process

After selecting the command, the user is shown a dialog box for setting the transfer parameters.

Transfer Review B-6 October 2018	×
Scope Review B-6 October 2018	
Include	
Activity Authenticity evidence	
Include metadata file	
Select metadata file	
TRANSFER C	ANCEL

Image 254: Setting the transfer parameters

By selecting the »Activity« option, the audit log for an individual transferred entity can be included in the transfer.

If entity authenticity evidence has been created on the archive, the user can include it in the transfer by selecting the option »Authenticity evidence«.

<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 »Include metadata file« section, the user invokes a dialog box for selecting an XML file with additional metadata to be included in the transfer.

For a description of the structure of the file with additional metadata see chapter <u>Format of</u> <u>the additional metadata export file</u>.

By selecting the »Transfer« command, the transfer process begins. Team members can cancel the process by selecting the »Cancel« command.

Transfer Review B-6 October 2018		×
Scope Review B-6 October 2018		
Include		
Activity Authenticity evidence		
Include metadata file		
XML_podpisan_#8_posta.xml		
	TRANSFER	CANCEL

Image 255: Implementing the transfer process

The entities are exported in the XML format to the default directory »Downloads«. The user can access the transfer information from the notification bar by selecting the action »Open« in the popup menu.

	Open Always open files of this type
	Show in folder
	Cancel
Review B-6 Octobzip	~

Image 256: Transfer notification

<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.

4.6.5.1.1 Export phase

At the start of export IMiS[®]/wClient creates a new review document.

For more information see chapter <u>Reviewing and classifying documents</u>.

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 two or 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 »ExportReport_ERROR.txt« file. This file is created only in the event of an error.

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After the first transfer phase – export, a new entity is attached to the review contents – a transfer report.

Reviews > Review B-6 October 2018			NEV	I I I I I I I I I I I I I I I I I I I	EDIT 🖉 SAVE	ACTIONS → :=
						1 results
Title [▲]	Description	Modified		Deview	B-6 October 2018	
Document 1	Document #1 added to Revie	8/10/2018		Review	B-6 October 2018	×
Document 2	Document #2 added to Revie	8/10/2018		DETAILS	SECURITY	ACTIVITY
_				Title	Review B-6 October 2018	
Document 3	Document #3 added to Revie	8/10/2018		Description	Ad-hoc review	
				Status	Opened	
2018-10-09T14:25:05.754+02:00	Transfer started at 2018-10-0	9/10/2018	***	Owner	🔇 Keira Clay	
😑 Decisions - Page 1		9/10/2018		Keywords	adhoc	
				State	InReview	
				Message	Review prepared	
				Members	Karen; Cornelia; Carmen	
				Comments	Owner = Alex Nelson	
				Created	🧛 Administrator 3. Oct 20	018, 09:37
				Identifier	Cos_3ojiuCM7c9S1DgpQCl	48oYTjbEEt

Image 257: A report on the transfer between review entities

The transfer report contains the following log files:

- XML report
- Report
- Error report, if an error occurred.

Reviews > Review B-6 October 20	18 > 2018-10-09T14:25:05.75		NEW	• OPEN / EDIT	ACTIONS ~ := 2 results	
Title	Size	Modified			00 ×	
ExportReport.xml	6.8 kB	9/10/2018	2018-1	2018-10-09T14:25:05.754+02:00		
ExportReport.txt	3.2 kB	9/10/2018	DETAILS	SECURITY	ACTIVITY	
			Title	2018-10-09T14:25:05.754	I+02:00	
			Description	Transfer started at 2018-1	10-09T14:25:05.754+02:00	
			Status			
			Security class			
			Significance			
			Owner			
			Keywords			
			Categories			

Image 258: Log files in the transfer report

By selecting the log file »ExportReport.txt«, the user is shown a report on

successfully/unsuccessfully exported entities.

Transfer review id:'Cos_3ojiuCM7c9S1DgpQCl48oYTjbEEt', subject:'anelson', recursive:false, exportParents:true, classes:true, folders:tru documents:true, auditLog:true, evidence:true
2018-10-09T14:25:08.725+0200 - Exported Class '02' into file ExportData/class_1.xml 2018-10-09T14:25:11.185+0200 - Exported Class '02.01' into file ExportData/class 2.xml
2018-10-0714:25:13.584+0200 - Exported Class 02.01.01 into file ExportData/class_1.xml
2018-10-05114:25:16-12140200 - Exported Folder (02.01.01-2017-000001) into file ExportData/folder 1.xml
2018-10-09114:25:19.06440200 - Exported Document '02.01.2017-000001/000001 into file ExportData/document 1.xml
2018-10-05114:25:21.72840200 - Exported Document '02.01.01211' -000001/000002' into file ExportData/document 2.xml
2018-10-05114:25:41.3540200 - Exported Document '02.01.01-2017-000001/000001 into file ExportData/document 3.ml
2018-10-09114:25:26:89540200 - Exported Document '02.01.01-2017-0000001/000004' into file ExportData/documentmi
2018-10-09114:25:29.632+0200 - Exported Document '02.01.01-2017-000001/000005' into file ExportData/document 5.xml
2018-10-09114:25:32.34540200 - Exported Document '02.01.01-2017-0000001/000000' into file ExportData/document 5.ml
2018-10-09114:25:34-68140200 - Exported Document '02.01.01-2017-000001/000007' into file ExportData/document 7.xml
2018-10-09114:25:37.467+0200 - Exported Document '02.01.01-2017-000001/000008' into file ExportData/document 8.xml
2018-10-09714:25:40.012+0200 - Exported Document '02.01.01-2017-000001/000009' into file ExportData/document 9.xml
2018-10-09114:25:42.303+0200 - Exported Document '02.01.01-2017-000001/000010' into file ExportData/document 10.xml
2018-10-09T14:25:44.692+0200 - Exported Class '02.01.02' into file ExportData/class 4.xml
2018-10-09114:25:47.130+0200 - Exported Folder '02.01.02-2017-000053' into file ExportData/folder 2.xml
2018-10-09T14:25:50.286+0200 - Exported Document '02.01.02-2017-000053/000001' into file ExportData/document 11.xml
2018-10-09T14:25:52.951+0200 - Exported Document '02.01.02-2017-000053/000002' into file ExportData/document 12.xml
2018-10-09T14:25:55.585+0200 - Exported Document '02.01.02-2017-000053/000003' into file ExportData/document 13.xml
2018-10-09T14:25:58.337+0200 - Exported Document '02.01.02-2017-000053/000004' into file ExportData/document 14.xml
2018-10-09T14:26:01.017+0200 - Exported Document '02.01.02-2017-000053/000005' into file ExportData/document 15.xml
2018-10-09T14:26:03.415+0200 - Exported Document '02.01.02-2017-000053/000006' into file ExportData/document 16.xml
2018-10-09T14:26:05.770+0200 - Exported Document '02.01.02-2017-000053/000007' into file ExportData/document 17.xml
2018-10-09T14:26:08.644+0200 - Exported Document '02.01.02-2017-000053/000008' into file ExportData/document 18.xml
2018-10-09T14:26:11.020+0200 - Exported Document '02.01.02-2017-000053/000009' into file ExportData/document 19.xml
2018-10-09T14:26:13.524+0200 - Exported Document '02.01.02-2017-000053/000010' into file ExportData/document 20.xml
· · · · · · · · · · · · · · · · · · ·
Class entities: OK(4) Fail(0)
Folder entities: OK(2) Fail(0)
Document entities: OK(20) Fail(0)

Image 259: An example of an »ExportReport.txt« report

4.6.5.1.2 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 For more information see chapter <u>Format of confirmation file during transfer</u>.

4.6.5.2 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.

4.6.5.2.1 Manual transfer confirmation

Manual transfer confirmation is executed similarly to the modification of action on an individual entity in the review process.

For more information see chapter <u>Modification of the attribute values in the review</u>.

Reviews > Review B-6 October 2018 > Decis	ions - Page 1			NEW 🧿 OPEN 🖌	EDIT SAVE ACTIONS ~ := 64 results
Title [▲]	Action	Reason	Comment		
Vance Meyer @ 10:15a.m. to brief you on Blo	Transfer	Ad-hoc review.		Birdles f	or Charity - Junior Achi ×
Enron Europe 2001 Budget Review - Boardro	Review	Ad-hoc review.		DETAILS	SECURITY ACTIVITY
Astros' Season Opening	Review	Ad-hoc review.		Title	Birdies for Charity - Junior Achievement Transfer
Birdies for Charity - Junior Achievement	Transfer	Ad-hoc review.	This entity need	Reason	Ad-hoc review.
Meeting w/Syntroleum - EB3320 - Mark Agee,	Review	Ad-hoc review.		Comment	This entity need to be transferred
Mtg w/Stan Horton - EB3324	Review	Ad-hoc review.		Transfer Identifier	referenceid1123
FW: 1 millionth trade	Transfer	Ad-hoc review.		Classification Code	C=02^C=01^C=02^F=2017-000053 Navigate to
Meeting w/Frevert, McMahon, McConnell, Sh	Transfer	Ad-hoc review.		Title	Birdies for Charity - Junior Achievement
Steve Kean Meeting - EB4701	Transfer	Ad-hoc review.		Description Status	♥ Closed
CA Litigation Team Wkly Conf Call	Transfer	Ad-hoc review.		Security class Significance	
Meeting w/Lavorato - EB3324	Transfer	Ad-hoc review.		Owner	🚯 Alex Nelson
Weekly Meeting w/Tom Gros - EB2801b	Transfer	Ad-hoc review.		Keywords	3.1204411.BXXTHBEA0G5HKYPWLVH JZN0XFDHOSSCZB
Mtg.w/ Skilling, David Berberian, Rex Shelby,	Transfer	Ad-hoc review.		Categories	

Image 260: 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 ticking the box of the »Transferred« attribute.

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 save all confirmations on the IMiS[®]/ARChive Server by selecting the »Save« command.

4.6.5.2.2 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. In the command bar they select the »Actions« command and the action »Confirm transfer« in the popup menu.

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Reviews			NEW	⊙ OPEN 🖌	EDIT 🖍 SAVE ACTIONS 🗸 🖼
Title *	Description	Modified		Review E	Complete results Complete x Transfer x x
Review A-3 October 2018	10-years regular review Ad-hoc review	9/10/2018 3/10/2018		DETAILS	Confirm Transfer γ Discard
CREVIEW B-6 November 2018	Ad-hoc review	4/10/2018		Title Description Status	Review 8-0 October 2010 Ad-hoc review Opened
Review B-6 October 2018	Ad-hoc review	9/10/2018		Owner	Veira Clay
Review G-4 September 2018	Ad-hoc review	5/10/2018		Keywords	adhoc
CREVIEW H-3 August 2018	5-years regular review	4/10/2018		State Message	InReview Review prepared
Content of the second s	5 years regular review	9/10/2018		Created Identifier	n Administrator 3. Oct 2018, 09:37 Cos_3ojiuCM7c9S1DgpQCl48oYTjbEEt
🗧 👩 Review J-2 August 2018	Ad-hoc review	8/10/2018			

Image 261: 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.

indows10_PC > Prenosi > Review B-6 October 2018							
Ime	Vrsta	Stisnjena velikost	Zaščiten z	Velikost	Razmerje	Datum spremembe	
ExportData	Mapa z datotekami					9. 10. 2018 14:25	
ExportReport	XML Document	2 KB	Ne	7 KB	76%	9. 10. 2018 14:26	
ExportReport	Besedilni dokument	1 KB	Ne	4 KB	82%	9. 10. 2018 14:26	
TransferConfirmation	Microsoft Excelova datote	1 KB	Ne	1 KB	34%	9. 10. 2018 14:26	

Image 262: Selecting the confirmation file

The confirmation of all entities recorded in the confirmation file begins to be executed. For more information see chapter <u>Format of the confirmation file during transfer</u>. With the »Cancel« command team members cancel the selection of the confirmation file.

4.6.6 Reviewing and classifying documents

An integral part of the review process is the reviewing and classifying of documents, created by team members.

4.6.6.1 Classifying documents

During the review process the team members have the option of adding documents to the review. They select the relevant review from a list and then using the »New« command in the popup menu they select »Document«.

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Reviews			NEW	OPEN 🖌	EDIT 🖌 SAVE A	CTIONS → ≔
			- 10 C	Review		8 results
Title	Description	Modified	B	Document	October 2018	×
Review A-3 October 2018	10-years regular review	8/10/2018	-	bocument		
Review B-4 October 2018	Ad-hoc review	3/10/2018		DETAILS	SECURITY	ACTIVITY
				Title	Review B-6 October 2018	
Review B-6 October 2018	Ad-hoc review	4/10/2018		Description	Ad-hoc review	
				Status	Opened	
Review G-4 September 2018	Ad-hoc review	5/10/2018		Owner	🔇 Keira Clay	
🗧 👩 Review H-3 August 2018	5-years regular review	4/10/2018		Keywords	adhoc	
	Address sectors	4/20/2020		State	InReview	
Review B-6 November 2018	Ad-hoc review	4/10/2018		Message	Review prepared	
Review H-3 July 2018	5 years regular review	8/10/2018		Created	🚷 Administrator 3. Oct 201	8, 09:37
	- Jeneregener ferfett			Identifier	Cos_3ojiuCM7c9S1DgpQCl48	BoYTjbEEt
🗧 👩 Review J-2 August 2018	Ad-hoc review	8/10/2018				

Image 263: Adding documents to the review

The dialog box shows the attributes of the new document.

In the »Details« tab they define the values of attributes and add contents.

After entering the metadata, they include the document in the review by selecting the action »Create«.

Create Docume	nt				×
	DETAILS	PHYSICAL PROPERTIE	S	SECURITY	
Parent	Review B-6 October 2018				
Title*	Document #1 Review B-6				
	Mandatory value for naming entity				
Description	Doxcument added to review B	-6			
Security class	Inherited				•
Significance	None				•
Owner	🚷 Ron Salazar				•
Keywords	ad-hoc × document ×				
	Important words used in entity				
Categories	review ×				
Content		4			
		Drag and drop fi	iles or click		
	Dokument.tif			43.8 kB	
External Identifiers					
	Custom external entity identifiers				
				CREATE	CANCEL

Image 264: Adding document metadata

Create Document		×
	\bigcirc	
	Uploading Document_1.docx (100%)	



DETAILS	SECURITY	ACTIVITY
Title	Review B-6 October 2018	
Description	Ad-hoc review	
Status	Opened	
Owner	🔇 Keira Clay	
Keywords	adhoc	
State	InReview	
Message	Review prepared	
Created	🗛 Administrator 3. Oct 20	18, 09:37
Identifier	Cos_3ojiuCM7c9S1DgpQC	48oYTjbEEt

Image 266: Notification about a document added to the review

4.6.6.2 Reviewing documents

The team members can review documents in the review by first selecting the relevant review from the list and opening it. In the center the review pages are shown with the corresponding documents and reports.

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Reviews > Review B-6 October 2018			NEW ⊚ OPEN 🖌 EDIT 🖉 SAVE ACTIONS ∽ I≣
			1 resul
Title 🗸	Description	Modified	Review B-6 October 2018
Document 1	Document #1 added to Revie	8/10/2018	Review B-6 October 2018
Document 2	Document #2 added to Revie	8/10/2018	DETAILS SECURITY ACTIVITY
			Title Review B-6 October 2018
Document 3	Document #3 added to Revie	8/10/2018	Description Ad-hoc review
7			Status Opened
2018-10-16T14:40:01.210+02:00	Transfer started at 2018-10-1	16/10/2018	Owner 💽 Keira Clay
Decisions - Page 1		16/10/2018	Keywords adhoc
			State InReview
			Message Review prepared
			Members Karen; Cornelia; Carmen
			Comments Owner = Alex Nelson
			Authenticity evidence GET
			Created Rdministrator 3. Oct 2018, 09:37
			Identifier Cos_3ojiuCM7c9S1DgpQCl48oYTjbEEt

Image 267: Reviewing documents

Examples of classified contents:

- Review execute report
- Transfer report
- Team minutes
- Attachment
- Custom document.

By selecting the popup menu on the entity selected from the list, the team members have the option of performing various actions on the entity.

						1 re:
8 🕶	Description	Modified		Document	2	
Document 1	Document #1 added to Revie	8/10/2018		Document	3	
Document 2	Document #2 added to Revie	8/10/2018		DETAILS	SECURITY	ACTIVITY
i Document 3	Document #3 added to Revie	0/10/0010		Title	Document 3	
Document 3	Document #3 added to Revie	8/10/2018		Open	ument #3 added to Re Administrator 8. Oct 2	
2018-10-16T14:40:01.210+02:00	Transfer started at 2018-10-1	16/10/2018	1	Edit	ct 2018, 16:07	2010, 13:36
Decisions - Page 1		16/10/2018	• ‡ •	Actions	Go New referen	ce
			â	Status	New version	
			۲	Security class	Authenticity	evidence
			0	Details	🕀 Move	
				Delete	⊯ Export	
				> Retention		



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 grant the following roles to other users or groups:

- AuditLogQuery: allows access to the audit log.
 Users with an »AuditLogQuery« role see the Activity tab in the entity information overview and can access the audit trail through this tab.
- Content management: The role enables the user to tag content for indexing or conversion.
- ImportExport: this role enables the import and export of content. Users with the »ImportExport« role can perform entity »Import« and »Export« actions via the popup menu for the entire archive or for an individual entity.
- Reports: this role enables the display of system reports on export and import. The »Administration« folder contains the subfolders »Import« and »Export«.
- DraftManagement: this role enables viewing and filing/discarding a document draft of other users (combined with the entity access permissions).

5 SYSTEM REQUIREMENTS

System requirements are divided into client requirements and the IMiS[®]/wClient requirements.

5.1 Hardware

Most current workstations and computers should be able to run the IMiS®/wClient.

The workstations and computers being sold on the market today meet the client requirements of the IMiS[®]/wClient. It needs few resources to operate and works in all of the popular web browsers on Windows, macOS and other operating systems.

5.1.1 Minimum requirements

- Browsers:
 - Chrome ≥ 66.0.3359
 - Firefox ≥ 60.0.1
 - Edge ≥ 42.17134
 - Safari ≥ 11.1
 - Internet Explorer 11 ≥ 11.0.10240.16384.
- Size of available work memory should be about 512 MB larger than the operating system's memory requirements.
- TCP/IP network access (IPv4 or IPv6).

5.1.2 Recommended hardware

- Browsers:
 - Chrome ≥ 66.0.3359
 - Firefox ≥ 60.0.1
 - Edge ≥ 42.17134
 - Safari ≥ 11.1
- Size of available work memory should be about 1 GB larger than the operating system's memory requirements.
- TCP/IP network access (IPv4 or IPv6).

5.2 Installation requirements

Most current servers should be able to run the $IMiS^{\ensuremath{\texttt{B}}}/wClient.$

It needs the $IMiS^{\ensuremath{\texttt{B}}}/Storage$ Connector Services REST to operate.

5.2.1 Minimum requirements

- IMiS[®]/Storage Connector Services REST 9.2.1805.102.
- Minimum free disk capacity for installing the IMiS[®]/wClient is 6GB.
- TCP/IP network access (IPv4 or IPv6).

5.2.2 Recommended requirements

- IMiS[®]/StorageConnector Services REST 9.2.1805.102.
- Disk capacity for installing the $IMiS^{\mathbb{B}}/wClient$ is $\geq 6GB$.
- Minimum free disk capacity for installing the IMiS[®]/wClient is 6GB.
- TCP/IP network access (IPv4 or IPv6).

6 INSTALLATION

Below is a description of the installation procedure for the IMiS[®]/wClient. It can be performed by a user with the appropriate rights (Administrator). The installation is conducted step-bystep and is the same for everyone.

6.1 Installation procedure

The IMiS[®]/wClient must be installed in an environment that satisfies minimum requirements. The user must have rights on the server on which he is installing the client. The installation package is extracted to a directory on the server selected by the administrator. Procedure:

- 1. The administrator extracts the installation package to a directory on the server.
- 2. He sets the settings.json.

6.1.1 Installation settings

For successful installation the address to the IMiS[®]/Storage Connector Services REST must be entered into the »assets/settings.json« as the »url« property.

Example of the setttings.json:

```
"url": "https://apps.imis.eu/scsvc",
"requestTimeout": 240000
```

url	String	Address of the IMiS®/Storage Connector Services REST.
requestTimeout	Integer	The timeout of an individual request to the service in <i>ms</i> (optional). The default value is 120000.
logLevel	String	Log records level (optional). Set of values: - DEBUG - INFO
		- WARNING - ERROR (default) - NONE.

6.2 Upgrade procedure

- 1. The administrator copies the current »assets/settings.json« to a temporary directory.
- 2. Deletes the directory containing the $IMiS^{(B)}/wClient$.
- 3. Extracts the installation package to the directory.
- 4. Replaces the settings.json from the temporary directory.

7 MANAGING PRODUCT

The IMiS[®]/wClient can be managed by a user with the appropriate rights (e.g. administrator).

The user must first log in to access the archive.

For more information on logging in/out see chapter Login and logout.

The user stops the IMiS^B/wClient by logging out and closing the tab/window of the web browser.

8 TROUBLESHOOTING

Users of the IMiS[®]/wClient 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.

8.1 How to avoid problems

Regular updating of the IMiS[®]/wClient 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.

8.2 Frequent errors

This chapter describes errors that may be frequently encountered while using the IMiS®/wClient. 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.

»Invalid Username or password«

Likely cause: Invalid username or password.

Solution: Check whether the username and password have been entered correctly

(e.g. use of capital/small letters, without initial or end spaces, etc.).

If that does not solve the problem, notify the administrator who will check whether a user with that name is actually registered on the IMiS[®]/ARChive Server.

IMiS/wClient	
IMIS/Archive Server	•
nelson	
LOGIN	
▲ Invalid username or password	
IMIS/wClient (v1.2.1810.2-BETA-17)	

Image 269: An example of the error: Invalid or incorrect password

»Entity cannot be created since Classification Code generator is not defined for its hierarchy depth.«

<u>Likely cause</u>: Creating a folder in the classification scheme at a too low level.

When saving a new folder, a classification code is automatically generated, however, the classification code generator on the IMiS[®]/ARChive Server supports the generation only to a certain level in the classification scheme, and not beyond it.

<u>Solution</u>: Creating a folder at a higher level, which is still supported by the classification code generator on the server.

IMiS®/wClient Manual			Version 1.2.1810
Create Entity	,		×
DETAILS			
	Parent	Assets	
	Template*	Case	▼
		Server reported an error processing request (Reason: code=ERR_IAS_ERROR, message='Entity cannot be Code generator is not defined for its hierarchy depth.')	created since Classification
	Туре	Folder	



»[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	×
Server reported an error processing request (Reason: code=ERR_IAS_ERROR, message='Entity '200039759' is being edited by another party.')	
	ОК
Image 271: An example of an error when opening an entity in editing	mode