

Rosetta Configuration Guide

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Understanding System Configuration

About System Configuration

Library Administrators configure components of the Rosetta system infrastructure such as user accounts, material flows, and content processing. These components are accessed through the Administrative interface of Rosetta, also referred to as Advanced Configuration.

The Administrative interface works on the consortium level for any customer. The Management interface works on the institutional level. For information on the Management interface and institutional level, see the Rosetta Staff User's Guide. For further information about consortium structure in Rosetta, see [Administrative Structure](#).

Ex Libris performs an initial configuration during implementation with input from the library Administrator. Afterwards, Administrators can modify advanced configuration settings and perform maintenance tasks on their own. The following sections describe these configuration stages and methods.

Configuration Pages

Configuration pages provide user interface elements (such as fields and drop-down lists) that Administrators and staff users can use when configuring the system. Administrators can use configuration pages for defining a wide variety of parameters, including SIPs, storage rules, delivery rules, and users.

Code Tables

Code tables are stored in the Rosetta system database. They enable an Administrator to define options that must be available to staff users on configuration pages when they configure the system.

Because code tables facilitate the translation of options to multiple languages, Administrators can use code tables to define those options that must be translated, including Producer groups, Producer classification, and material types. Administrators can perform various actions, such as adding, activating, and deleting options in any code table. For more information on working with code tables, see [Working with Code Tables](#).

Mapping Tables

Mapping tables enable Administrators to control the connections between entities in the Rosetta system. For example, Administrators can specify which program the Rosetta system uses to validate PDF files by mapping a connection between the file format (PDF) and the program that validates PDF files.

Administrators use mapping tables to configure such components as delivery copyright statements and large file handling parameters. For more information on working with mapping tables, see [Working with Mapping Tables](#).

Configuration Files

Configuration files enable Administrators to define advanced settings at the consortial level, such as metadata and e-



mail configuration. The configuration files can be stored in various formats, such as XML or XSL. The Rosetta system includes a text editor that Administrators can use to edit configuration files. For more information, see [Working with Configuration Files](#).



Administration

An Administrator performs configurations in order to define general components that are not frequently changed. Administrators use the Administration page for this purpose.

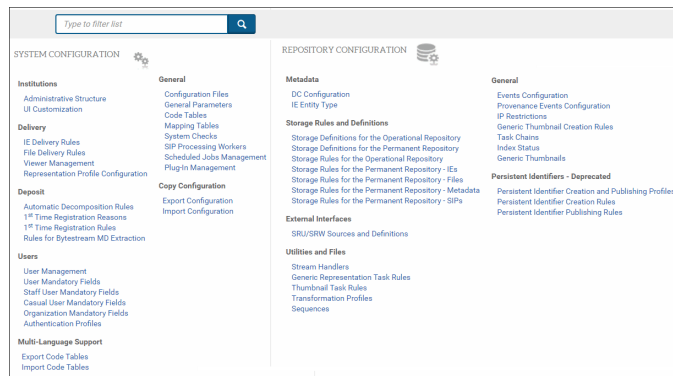
The Administrator Role

To have access to the administration page and options, you must be assigned the administration role. There are two levels of this role:

- **Administration - Full:** The user has access to all administration options and can perform all administration functions
- **Administration - View:** The user has view only privileges. From the role parameters you can configure which administration options are not visible to the user.

Accessing the Administration Page

To access the Administration page, log on to Rosetta. If your logon profile does not immediately take you to the Administration module, then, from the Management Home page, under **What else can I do**, click Administer the System. The Administration page opens.



Advanced Configuration Page

The page contains configuration components that are organized into groups, as described in the following table:

Administration Components

Group	Contains Components that Define...
Institutions	<ul style="list-style-type: none"> • Administrative Structure For more information, see Administrative Structure .



Group	Contains Components that Define...
Delivery	<ul style="list-style-type: none"> <li data-bbox="464 260 1029 323">• UI Customization For more information, see UI Customization. <li data-bbox="464 422 1029 485">• IE Delivery Rules For more information, see IE Delivery Rules. <li data-bbox="464 499 1045 562">• File Delivery Rules For more information, see File Delivery Rules. <li data-bbox="464 577 1045 640">• Viewers Management For more information, see Managing Viewers. <li data-bbox="464 655 1110 718">• Representation Profiles Configuration For more information, see Representation Profiles.
Deposit	<ul style="list-style-type: none"> <li data-bbox="464 814 1222 877">• Automatic Decomposition Rules For more information, see Automatic Decomposition Rules. <li data-bbox="464 892 1208 955">• 1st Time Registration Reasons For more information, see Registration Process and Rules. <li data-bbox="464 970 1208 1033">• 1st Time Registration Rules For more information, see Registration Process and Rules. <li data-bbox="464 1047 915 1073">• Rules for Bytestream MD Extraction
Users	<ul style="list-style-type: none"> <li data-bbox="464 1171 1040 1234">• User Management For more information, see User Management. <li data-bbox="464 1249 764 1274">• User Mandatory Fields <li data-bbox="464 1289 824 1314">• Staff User Mandatory Fields <li data-bbox="464 1329 850 1354">• Casual User Mandatory Fields <li data-bbox="464 1369 1208 1432">• Organization Mandatory Fields For more information, see Defining User Mandatory Fields. <li data-bbox="464 1446 948 1520">• Authentication Profiles See User Authentication with SAML.
Multi-Language Support	<ul style="list-style-type: none"> <li data-bbox="464 1619 727 1644">• Export Code Tables <li data-bbox="464 1659 1117 1719">• Import Code Tables For more information, see Multi-Language Support.



Group	Contains Components that Define...
General	<ul style="list-style-type: none"> • Configuration Files For more information, see Working with Configuration Files. • General Parameters For more information, see Working with General Parameters. • Code Tables For more information, see Working with Code Tables. • Mapping Tables For more information, see Working with Mapping Tables. • System Checks For more information, see System Checks. • SIP Processing Workers • Scheduled Jobs Management For more information, see the Rosetta System Administration Guide. • Plug-In Management For more information, see Plug-in Management.
Copy Configuration	<ul style="list-style-type: none"> • Export Configuration • Import Configuration <p>For more information, see the Rosetta System Administration Guide.</p>
Metadata	<ul style="list-style-type: none"> • DC Configuration For more information, see Configuring the DC Editor • IE Entity Type For more information, see Configuring Intellectual Entity (IE) Types
Storage Rules and Definitions	<ul style="list-style-type: none"> • Storage Definitions for the Operational Repository • Storage Definitions for the Permanent Repository • Storage Rules for the Operational Repository • Storage Rules for the Permanent Repository - IEs • Storage Rules for the Permanent Repository - Files • Storage Rules for the Permanent Repository - Metadata • Storage Rules for the Permanent Repository - SIPs
External Interfaces	<ul style="list-style-type: none"> • SRU/SRW Sources and Definitions.



Group

Contains Components that Define...

For more information, see the System Administration Guide: **Configuring External Metadata: SRU/SRW**.

Utilities and Files

- Stream Handlers
- Generic Representation Task Rules
- Thumbnail Task Rules
For more information, see [About Tasks](#).
- Transformation Profiles
For more information, see [Transformation Profiles](#).
- Sequences
For more information, see [Configuring Sequences](#).

General

- Events Configuration
For more information, see [Configuring Events](#).
- Provenance Events Configuration
For more information, see [Configuring Provenance](#).
- IP Restrictions
For more information, see [Configuring IP Restrictions](#).
- Generic Thumbnail Creation Rules
For more information, see [Generic Thumbnail Creation](#).
- Task Chains
For more information, see [Tasks, Task Chains, and Processes](#)
- Index Status
- Generic Thumbnails
For more information, see [Selecting the Default Thumbnail Image](#)



Administrative Structure

Configuring a Consortium

If your organization is using the consortial capabilities of Rosetta, your Administrator will set up the individual institutions and make any edits to the consortium properties. This work begins on the List of Institutions page. To access the page, from the Administration Home page, click Advanced Configuration, then the Administrative Structure heading. This opens the List of Institutions page.

Administrative Structure

Consortium Information

* Code: CRS00 * Name: Preservation Consortium

* Description: Preservation Consortium

Updated By: admin1 Updated On: 24/08/2011

Institution List

Create New Institution

Code	Name	Description	Updated On	Updated By		
1 DUE	Heinrich-Heine-Universität Düssel...	Heinrich-Heine-Universität Düssel...	12/02/2013	admin1	Edit	Delete
2 HARU	Harvard University	Harvard University - Demo	14/08/2013	admin1	Edit	Delete
3 INSD0	Demo Institution	Demo Institution	23/01/2018	admin1	Edit	Delete
4 INS01	Ex Libris Institution	Ex Libris Institution	26/05/2020	admin1	Edit	Delete
5 INS07	INS07	INS07	01/02/2018	admin1	Edit	Delete
6 INS15	OBV Inst 1	OBV consortium - institution 1	10/05/2020	admin1	Edit	Delete
7 NLR0SETTA	SIM - Singapore Institute of Mana...	An institution for demo purposes	24/08/2016	admin1	Edit	Delete
8 RESEARCH001	Research Institution	Einstein's Research Institution	11/07/2012	admin1	Edit	Delete
9 TEST	National Geographic	National Geographic demo	14/03/2018	admin1	Edit	Delete
10 TP	Temasek Polytechnic	Temasek Polytechnic - Training	17/04/2014	admin1	Edit	Delete
11 TRAIN00	EU Training Institution	TRAINING Institution for PS EU	26/05/2020	admin1	Edit	Delete
12 TRIAL00	Trial	this is a trial	19/12/2011	admin1	Edit	Delete

Back Save

List of Institutions for Consortium

The name and description fields of the consortium are editable and any institutions that have been added to the consortium are listed on the lower part of the page.

Updating a Consortium

Administrators can change the properties of their existing consortium, such as changing the consortium's name and description.

To update a consortium:

1. From the Advanced Configuration home page, click Advanced Configuration, then the Administrative Structure heading. The List of Institutions page opens.
2. In the Consortium information pane, modify the fields that you want to update.
3. Click Save.

The updated consortium is saved in the Rosetta system.



Configuring Institutions Within a Consortium

Administrators work with a consortium's institutions using the Institutions List page. The following actions can be performed on this page:

- [Viewing Institutions Within a Consortium](#)
- [Adding a New Institution](#)
- [Updating an Institution](#)
- [Configuring an Institution to Work With a Patron Directory Service](#)
- [Deleting an Institution](#)

Viewing Institutions Within a Consortium

Administrators can view institutions within a consortium. To view institutions within a consortium:

1. Access the List of Institutions page from the Administrative Home page: click Advanced Configuration > Administrative Structure.
2. The List of Institutions page opens.

Code	Name	Description	Updated On	Updated By		
1 DUE	Heinrich-Heine-Universität Düssel...	Heinrich-Heine-Universität Düssel...	12/02/2013	admin1	Edit	Delete
2 HARU	Harvard University	Harvard University - Demo	14/08/2013	admin1	Edit	Delete
3 IN500	Demo Institution	Demo Institution	23/01/2018	admin1	Edit	Delete
4 INS01	Ex Libris Institution	Ex Libris Institution	26/05/2020	admin1	Edit	Delete
5 INS07	INS07	INS07	01/02/2018	admin1	Edit	Delete
6 INS15	OBV Inst 1	OBV consortium - institution 1	10/05/2020	admin1	Edit	Delete
7 NLR0SETTA	SIM - Singapore Institute of Mana...	An institution for demo purposes	24/08/2016	admin1	Edit	Delete
8 RESEARCH001	Research Institution	Einstein's Research Institution	11/07/2012	admin1	Edit	Delete
9 TEST	National Geographic	National Geographic demo	14/03/2018	admin1	Edit	Delete
10 TP	Temasek Polytechnic	Temasek Polytechnic - Training	17/04/2014	admin1	Edit	Delete
11 TRAIN00	EU Training institution	TRAINING Institution for PS EU	26/05/2020	admin1	Edit	Delete
12 TRIAL00	Trial	this is a trial	19/12/2011	admin1	Edit	Delete

Institution List Page

Adding a New Institution

Administrators can add a new institution to a consortium. New institutions copy the settings of the first institution configured for this consortium. Settings can be edited after the new institution has been saved.

To add an institution:

1. Open the List of Institutions page by clicking Advanced Configuration > Administrative Structure from the Administration Home page.
2. Click the Create new Institution button. The institution information form opens.



Institution Information Form/List of Departments

3. Enter information in the Code, Name, and Description fields.

The code is any alphanumeric combination (but cannot start with a number) that has meaning within the context of your institution. It will also be used for identification purposes within the Rosetta system.

4. Select a Base institution from the drop-down list of existing institutions.

The base institution determines default settings for institution-level items like metadata profiles, SIP processing rules, and SIP routing rules.

5. Click Create New Department.

Every institution must create at least one department before it can be saved to the database and included as a member of the consortium.

A new department form opens in a light box over the page.

New Department Form

6. Enter a Code, Name, and Description for the department and click Add.
The department information displays on the Department List section of the List of Departments page.
7. Add as many departments as you need for your institution.
8. Click Save.

The new institution is displayed in the Institution List pane and is saved in the Rosetta system.

At the top of the list, Rosetta indicates your username and password for the new institution. This username and password is necessary to prevent your current user information from being shared with other institutions. To add users to your new institution, log out and log in again with the new username and password.



Updating an Institution

Administrators can change the properties of an existing institution, such as changing the institution's name and description, by updating it.

To update an institution:

1. On the Institution List page (see [Viewing Institutions Within a Consortium](#)), in the Institution List pane, locate the institution with which you want to work and click Edit. The Department List page opens.

Code	Name	Description	Updated On	Updated By	Edit	Delete
1	Second Department	Second department	17/06/2015	admin1	Edit	Delete
2	Archive Department	Archive Department	14/03/2011	admin1	Edit	Delete

Department List Page

2. In the Institution Information pane, modify the fields that you want to update.
3. Click Save.

The updated institution is saved in the Rosetta system.

Configuring an Institution to Work With a Patron Directory Service

In order for users to sign in to the new institution, the institution must be configured in the PDS as well as in Rosetta. To create a PDS-enabled institution:

1. On the Institution List page (see [Viewing Institutions Within a Consortium](#)), in the Institution List pane, locate the institution you want to configure for PDS and click the corresponding PDS text link. The Ex Libris PDS Configuration page opens.
2. Fill out the PDS Configuration form and click Save & Continue to move through the remaining configuration pages.

For information about Patron Directory Services and how to configure them, see the Patron Directory Services Guide in the Cross-Product section of the Ex Libris Documentation Center.

Deleting an Institution

Administrators can delete existing institutions as long as there are no IEs associated with the institution. An Administrator cannot delete an institution through which he or she is currently logged on.

CAUTION: Deleting an institution will cause the user to lose access to all objects that were deposited through this institution.

To delete an institution:

1. On the Consortium Information page (see [Viewing Institutions Within a Consortium](#)), in the Institution List pane,



locate the institution that you want to delete and click Delete. The confirmation page opens.

2. Click OK.

The institution is deleted from the Rosetta system.

Configuring Departments Within an Institution

Administrators can work with an institution's departments using the List of Departments page. The following actions can be performed on this page:

- [Viewing Departments Within an Institution](#)
- [Adding a New Department](#)
- [Updating a Department](#)
- [Deleting a Department](#)

Viewing Departments Within an Institution

Administrators can view departments within an institution.

To view departments within an institution:

1. On the Consortium List page (see [Configuring a Consortium](#)), in the Institution List pane, locate the institution with which you want to work and click Edit. The Institution List page opens.
2. Locate the institution within which you want to view departments and click Edit. The Department List page opens.

Institution Information						
* Code	INS01	* Name	Ex Libris Institution			
Color and Logo Settings	TIB Flavour					
* Description	Ex Libris Institution					
Updated By	admin1	Creation date	26/05/2020			

Department List							
Create New Department							
Code	Name	Description	Updated On	Updated By	Edit	Delete	
1	DPR02	Second Department	Second department	17/06/2015	admin1	Edit	Delete
2	DPR01	Archive Department	Archive Department	14/03/2011	admin1	Edit	Delete

Department List Page

Adding a New Department

Administrators can add a new department to an institution.

There is no limit to the number of departments that can be added to an institution.

To add a department:

1. On the Department List page (see [Viewing Departments Within an Institution](#)), click the Create New Department button.
A blank department form opens in a light box over the page.



*Code	<input type="text"/>	*Name	<input type="text"/>
*Description	<input type="text"/>		
Close			<input type="button" value="Add"/>

New Department Form

2. Enter information for all three required fields.
3. Click Add.

The new department is displayed in the Department List pane and is saved in the Rosetta system.

Updating a Department

Administrators can change the properties of an existing department, such as changing the department's name and description, by updating it.

To update a department:

1. On the Department List page (see [Viewing Departments Within an Institution](#)), in the Department List pane, locate the department you want to change and click Edit.
The department information displays in a light box over the page.
2. Modify the fields that you want to update.
3. Click Save.

The updated department is saved in the Rosetta system.

Deleting a Department

Administrators can delete an existing department. However, Administrators cannot delete a department when the department's users (such as Producer Agents and staff users) are depositing, or have already deposited, content to the Rosetta system.

To delete a department:

1. On the Institution Information page (see [Viewing Departments Within an Institution](#)), in the Department List pane, locate the department that you want to delete and click Delete. The confirmation page opens.
2. Click OK.

The department is deleted from the Rosetta system.

Remote Institution Monitoring

You can configure the consortium institution to view dashboard BIRT reports provided by another instance that is not part of your consortia.

Member Institution Configuration

Perform the following configurations for each member institution for which you want to view BIRT reports:



1. Set the enable_remote_reports_user parameter (Admin UI > General > General Parameters) to true.
2. Take the key from the remote_access_key parameter to enter in the consortium institution.
3. Click Update.

Consortium Institution Configuration

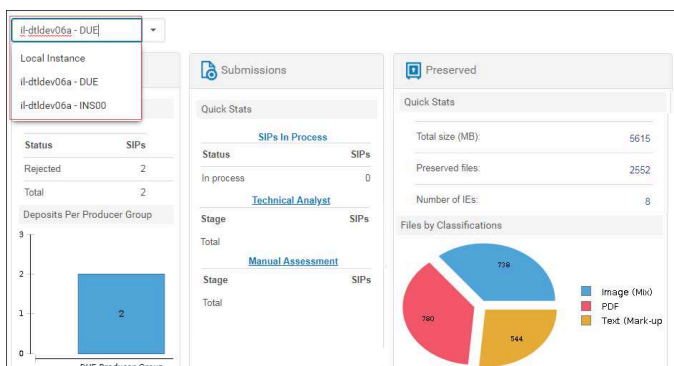
Perform the following configurations for the consortium institution:

1. Set the remote_management parameter (Admin UI > General > General Parameters) to true.
2. Open the Remote Instances for Reports mapping table (Admin UI > General > Mapping Tables). The following appears:

Key	InstitutionCode	BaseURL	Description	Last Updated
Fp2sCcsRDbnNWLSPMjYymtxkYkC	INS00	https://rosetta.exlibrisgroup.com	Demo - INS00	ByJohn Smith
Fp2sCcsRDbnNWLSPMjYymtxkYkC	CRS00	https://rosetta.exlibrisgroup.com	Demo - CRS00	ByJohn Smith

Remote Instances for Reports

3. For each member institution for which you want to view BIRT reports, enter the key, institution code, base URL, and description.
4. Click Save.
A drop-down list appears that allows you to display the BIRT reports provided by another instance that is not part of your consortia:



Remote Institution Monitoring



Configuring Delivery

- [Understanding Delivery](#)
- [Delivery Components](#)
- [Delivery Rules](#)
- [Delivery Settings in the User Interface](#)
- [Working with Delivery Rules](#)
- [Delivery XSL Files](#)
- [Delivery Metadata Fields](#)
- [Rosetta Viewers](#)

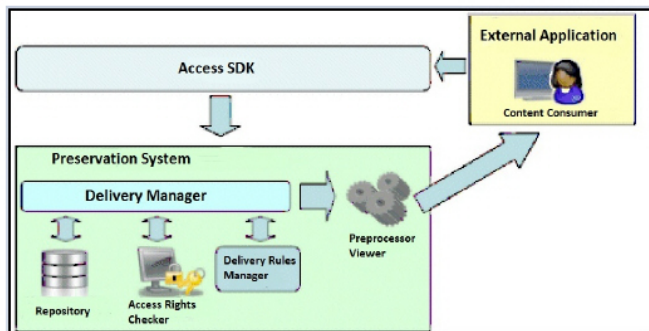


Understanding Delivery

Understanding Delivery

The Rosetta system enables users to view objects such as intellectual entities, representations, and files that are stored in the Rosetta system. These objects can be viewed by staff users (for example, Assessors viewing content deposited by Producer Agents) as well as external users (for example, a reader with a subscription to the library), also referred to as content consumers.

The diagram below illustrates the organization of the components that enable content delivery.



Delivery Information Flow

The delivery flow consists of the following stages:

1. A content consumer uses an external application to request a content object from the Rosetta system.
2. The external application sends the request to the Delivery Manager.
3. The Delivery Manager retrieves the content from the repository.
4. The Access Rights Checker determines whether the content consumer has the appropriate privileges to view the requested content object.
5. If the content consumer possesses the necessary viewing access rights, the system determines whether there are concurrent user access rights set for the IE. If so, the Access Rights Checker determines the number of copies currently in use by other users. If the number is less than the maximum allowed at one time, the user is registered as a viewer of the IE, the IE is delivered to the user, and one of the available open copies becomes unavailable. If all available copies are in use, the user is asked to wait and try again.
6. The Delivery Rules Manager verifies the input parameters of the content object (for example, whether the object is an IE, a representation, or a file), and determines which representation profile should be used to display the content object.
7. The selected representation is prepared to be viewed by the viewer. The viewer might require the representation or file to be processed by a component called a pre-processor, which is a plug-in that migrates the files or the metadata of the object.



8. When the viewer preprocessor finishes processing the content object, the object is redirected to the viewer, either an internal viewer bundled with Rosetta or an external viewer that resides outside of Rosetta.
9. The resource discovery channel (for example, Primo) or OPAC displays the content to the content consumer.
10. If concurrent user access rights are being applied: While the user has the IE checked out, the viewer and server exchange information about the user's activity related to the IE. If no activity occurs within a set amount of time (by default, two minutes), the user is disconnected and the IE becomes available to another user.



Delivery Components

Delivery Components

The following components are used in the content delivery process:

- Delivery Manager (see [About the Delivery Manager](#))
 - Viewer (see [Rosetta Viewers](#))
 - Viewer preprocessor (see [About Viewer Preprocessors](#))
-

About the Delivery Manager

The Delivery Manager consists of the following components:

- [Access Rights Checker](#)
- [Delivery Rules Manager](#)

Access Rights Checker

When Producer Agents deposit content, they select an access rights option among the options defined by staff users. For example, a Producer Agent can select the option that grants access to a specific group of content consumers. The Access Rights Checker determines whether the content consumer who requested the content has the appropriate rights to view this content. If the content consumer does not have the relevant access rights, a warning message is displayed.

Delivery Rules Manager

Delivery rules define how the requested content object is to be delivered to the content consumer. These rules are configured by an Administrator. For each delivery rule, an Administrator defines the input parameters of a content object (such as IE entity type) and output parameters (Representation Profile). The output parameters are applied if the actual input parameters of the content object match the input parameters of the existing delivery rule. (For more information on how the content object is displayed, see [Rosetta Viewers](#).)



Delivery Rules

Delivery Rules

Delivery rules are used by Rosetta to match the requested IE, representation, or file with the most appropriate viewer. The following features characterize current Delivery rules:

- Separate lists for IE and file Delivery rules (but no rules for representations)
- Representation Profiles and viewers managed through the Rosetta UI and not through a mapping table (as was the case with the viewing profile in earlier versions).
- Integration of more than one IE viewer to view the whole representation or even a group of representations (such as METS ALTO), rather than having to read one file at a time from the METS file.

Example of Delivery Rules Use

The following example illustrates the delivery rules:

The institution uses Rosetta to preserve a collection of digitized manuscripts. Each manuscript is an IE with three representations:

- TIFF images (Preservation Master)
 - JPEG2000 images (Modified Master)
 - JPEG images (Derivative Copy) for some of the IEs and one PDF file (Derivative Copy) for the other IEs
- Using the IE Delivery rules, the System Administrator can define two rules:
- The first rule delivers the JPEG images through a viewer called Book Reader. If there is no such representation, the PDF representation is delivered through a viewer called FlexPaper.
 - The second rule delivers the JPEG2000 files only for authorized researchers.



Delivery Settings in the User Interface

Delivery Settings in the User Interface

You configure delivery settings from the options under Administration > Delivery:

- [IE Delivery Rules](#)
- [File Delivery Rules](#)
- List of viewers ([Managing Viewers](#))
- List of representation profiles ([Representation Profiles](#))

IE Delivery Rules

IE delivery rules allow users to define which viewers will be used to deliver which representations of an IE. IEs can be grouped by the IE Entity Type attribute, and each group has a similar structure of representations. According to this structure, the System Administrator can define the priority for delivering the representations and the viewer that should be used for each representation(s).

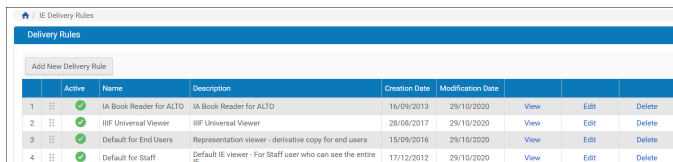
Every time an IE is requested, the Delivery Manager finds the matching rule based on the input parameters. Then the Delivery Manager attempts to match the first Representation Profile to one of the representations (or to a group). If a match is not found, the next Representation Profile is tried, and so on, until there is a match.

When a match is found, the representation is delivered through the defined viewer.

For each rule, there is a default output that delivers the default representation (for example, Preservation Master) through the default General IE Viewer. This viewer displays the structural map of the METS file and a link to each of the files.

IE Delivery Rules Interface

In the list of Delivery rules, the user can set the order by which the system attempts to match the rules. The up and down arrow buttons can be used to change the order of the rules. The first rule is considered first, then, if there is no match, the second, and so on. Once the system finds a match to the input parameters, it stops looking and uses that rule.



	Active	Name	Description	Creation Date	Modification Date			
1		IA Book Reader for ALTO	IA Book Reader for ALTO	16/09/2013	29/10/2020	View	Edit	Delete
2		IIF Universal Viewer	IIF Universal Viewer	28/08/2017	29/10/2020	View	Edit	Delete
3		Default for End Users	Representation viewer - derivative copy for end users	15/09/2016	29/10/2020	View	Edit	Delete
4		Default for Staff	Default IE viewer - For Staff user who can see the entire	17/12/2012	29/10/2020	View	Edit	Delete

List of IE Delivery Rules

Users can view, edit, or add a rule using the text links and buttons on the IE Delivery Rules page. These actions open the IE Delivery Rule Details page.



Delivery Rule Details Page

The IE Delivery Rule Details page includes three parts:

- **General Information:** The unique name and description of the rule.
- **Input Parameters:** Parameters that are matched with attributes of the requested IE, attributes of the user, and attributes of the calling system. If the operator is In, the rule engine attempts to match any of the values; a Not in condition will be met if none of the values match.
 - IE attributes – includes the IE Entity Type and the Owner fields.
 - User attributes – for example, specific user IDs.
 - System/request attributes – Browser type (mobile, non-mobile), request open parameters (for example, CALLING_SYSTEM=WEB_OPAC)
- **Output Parameters:** An ordered list of output pairs. Each pair includes a Representation Profile and a matching viewer.
 - The Representation Profile is a set of attributes that define a representation or group of representations that can be viewed as a whole by a dedicated viewer. See [Representation Profiles](#) for more details.
 - The viewer contains the definition and the parameters of the tool used to deliver the files to the user. The viewer entity contains the URL of the viewer, the plug-in that can be used for processing the files before they are directed to the viewer (VPP), and a unique name and description. See [Rosetta Viewers](#) for more details about viewers and their management.

File Delivery Rules

The file delivery rules are used to match the file's technical attributes with the appropriate file viewer. This comes into play when a file is requested specifically in a delivery URL, in one of two cases:

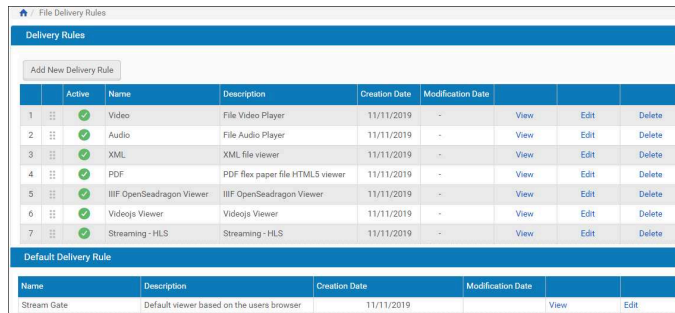
- **External request** - when a file is requested by an external source that holds the file PID and uses it to deliver only the file, without any metadata. For example, http://rosetta.exlibrisgroup.com:1801/delivery/DeliveryManagerServlet?dps_pid=FL1045&dps_func=stream
- **Internal request** – when the representation of an IE is delivered through the General IE viewer, each time the user



opens a file for view, and the Delivery Manager uses the file delivery rule to locate the viewer that should be used.

File Delivery Rules Interface

The file delivery rules are managed separately from the IE rules.

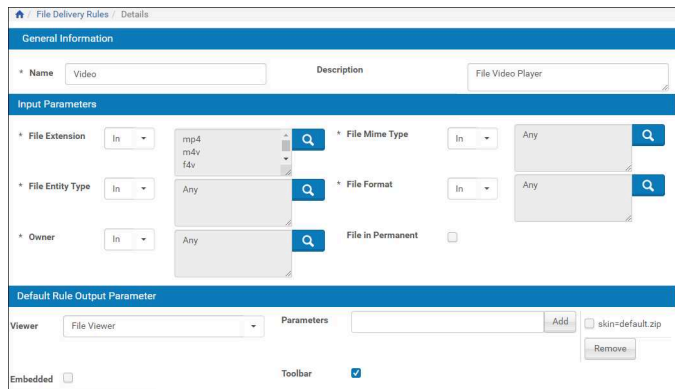


	Active	Name	Description	Creation Date	Modification Date			
1	<input checked="" type="checkbox"/>	Video	File Video Player	11/11/2019	-	View	Edit	Delete
2	<input checked="" type="checkbox"/>	Audio	File Audio Player	11/11/2019	-	View	Edit	Delete
3	<input checked="" type="checkbox"/>	XML	XML file viewer	11/11/2019	-	View	Edit	Delete
4	<input checked="" type="checkbox"/>	PDF	PDF flex paper file HTML5 viewer	11/11/2019	-	View	Edit	Delete
5	<input checked="" type="checkbox"/>	IIIF OpenSeadragon Viewer	IIIF OpenSeadragon Viewer	11/11/2019	-	View	Edit	Delete
6	<input checked="" type="checkbox"/>	Videos Viewer	Videos Viewer	11/11/2019	-	View	Edit	Delete
7	<input checked="" type="checkbox"/>	Streaming - HLS	Streaming - HLS	11/11/2019	-	View	Edit	Delete

Default Delivery Rule		Name	Description	Creation Date	Modification Date		
Stream Gate		Stream Gate	Default viewer based on the users browser	11/11/2019		View	Edit

List of File Delivery Rules

Users can view, edit, or add a rule using the text links and buttons on the File Delivery Rules page. These actions open the File Delivery Rule Details page.



File Delivery Rules / Details

General Information

Name: Video Description: File Video Player

Input Parameters

File Extension: In mp-4, m4v, f4v

File Mime Type: In Any

File Entry Type: In Any

File Format: In Any

Owner: In Any

File In Permanent:

Default Rule Output Parameter

Viewer: File-Viewer Parameters: Add skin=default.zip Remove

Embedded: Toolbar:

File Delivery Rule Details Page



Working with Delivery Rules

Working with Delivery Rules

The following actions can be performed on the List of Delivery Rules page:

- [Adding a Delivery Rule](#)
- [Updating a Delivery Rule](#)
- [Deleting a Delivery Rule](#)
- [Activating and Deactivating a Delivery Rule](#)
- [Re-Ordering the List of Delivery Rules](#)

Adding a Delivery Rule

When adding a new delivery rule, Administrators define general information for the rule (such as the name and description of the rule), input parameters (such as entity type and file format), and output parameters (such as viewer preprocessor and viewer to be used to display the content).

To add a delivery rule:

1. From the IE or File Delivery Rules page, click Add Delivery Rule. The Delivery Rule Details page opens.

IE Delivery Rules - Details

General Information

* Name Description

Input Parameters

* Owner In Any

* IE Entity Type In Any

Staff * User IDs In Any

Browser Type Non-Mobile Mobile Any

Request Parameters

Output Parameters

Representation Profile	Viewer	Embedded	Toolbar	Parameters

Default Rule Output Parameter

Representation Profile	Viewer	Embedded	Toolbar	Parameters
Default Representation Profile	General IE Viewer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>



Add Rule Page (IE rule example)

2. In the General Information pane, enter a name for the rule and, optionally, a description.
3. Use the information in [Table](#) for IEs and [Table](#) for File Delivery Rules to enter information in the remainder of the fields. Fields with a magnifying glass and arrow open a selection list in a light box. For these field formats, entries must be selected from the available list(s).

Any fields without entries will be ignored when the system is looking for a match. All populated fields must match.

IE Delivery Rule Details

Owner	This Institution that owns the IE
IE Entity Type	This type of resource, such as a book or a movie
Staff	Checked, this indicates that any staff member can be calling the rule
User IDs	The ID of the user calling the rule
Browser Type	Select non-mobile for a standard desktop or laptop, mobile for a smart phone or tablet. External viewers that support an alternative UI for mobile devices can use this parameter.
Request Parameters	An open parameter known to the calling system (for example, Primo or Aleph) and shared with Rosetta (through the Delivery rules)
Add Entry	Button that opens a light box containing options for a Representation Profile and Viewer combination
Representation Profile	The profile for the output object, such as Derivative Copy or Preservation Master
Viewer	The type of viewer (for example, Flex Paper or Photo Album) that delivers the IE in the representation profile



File Delivery Rule Details

File Extensions	The typically 3-digit extension identifying the file format
File Mime Types	The classification of a file type used for identifying Internet types. Stands for Multi-purpose Internet Mail Extensions.
File Entity Types	Entity type used by the file/file's format
File Formats	The format of the file as defined by several factors including the numeric fmt/ standardized and used in the Preservation module.
Owner	The institution carrying out the rule.
Viewer	The type of viewer (for example, Flex Paper or Photo Album) that delivers the IE in the representation profile
Parameters	An open parameter shared by the calling system and Rosetta. Multiple parameters can be added (and removed) as part of the default output parameter.

4. Click Save.

The new delivery rule is saved in the Rosetta system.

Updating a Delivery Rule

Administrators can update general, input, and output information of an existing delivery rule.

To update a delivery rule:

1. On the List of Delivery Rules page (see [Delivery Rules](#)), locate the delivery rule you want to update and click Update. The Rule Editor page opens.
2. Modify the fields you want to update, and then click OK.

The delivery rule is updated in the Rosetta system.

Deleting a Delivery Rule

Administrators can delete an existing delivery rule.

After deleting a delivery rule, it is no longer available to the Rosetta system for matching.

To delete a delivery rule:

1. On the List of Delivery Rules page (see [Delivery Rules](#)), locate the delivery rule you want to delete and click Delete. The confirmation page opens.
2. Click OK.

The delivery rule is deleted from the Rosetta system.



Activating and Deactivating a Delivery Rule

Administrators can activate or deactivate a delivery rule. After deactivating a delivery rule, it is no longer available to the Rosetta system for matching.

On the List of Delivery Rules page, the delivery rule's status is indicated by the check mark in the Active column:

- Yellow - The delivery rule is active.
- Grey - The delivery rule is inactive.

To activate or deactivate a delivery rule:

1. On the List of Delivery Rules page (see [Delivery Rules](#)), locate the delivery rule you want to activate or deactivate.
2. In the Active column, click the check mark. The check mark in the Active column indicates the new status.

The delivery rule is changed from active to inactive, or from inactive to active.

Re-Ordering the List of Delivery Rules

To define the viewer, viewer profile, and viewer preprocessor that must be used for a specific content object, the Rosetta system compares the input parameters defined in a delivery rule with the parameters of the content object.

The delivery rules are analyzed in the same order as they are displayed on the List of Delivery Rules page. The Rosetta system uses the first delivery rule found that matches the parameters of the content object.

An Administrator can re-order delivery rules to change their priority.

To re-order the list of delivery rules:

On the List of Delivery Rules page (see [Delivery Rules](#)), select the rule, and then use the up and down arrows to change the rule's priority.

The Rosetta system now analyzes the delivery rules in the newly defined order.

Representation Profiles

The Representation Profile is a set of attributes that define a representation or group of representations which, based on their content, should be viewed by a dedicated viewer that can handle them as a whole.

The following are two examples:

- a representation that contains the JPEG images of a scanned book, which can be delivered through the Book Reader – see the example below
- a set of images held in one representation and a METS ALTO file that is held in a different representation. The Representation Profile can be defined so it includes these two representations and the METS-ALTO viewer will deliver all the relevant files from both representations.

The Representation Profiles are managed in the List of Representation Profiles:



Representation Profile Configuration

Representation Profiles List

Find: In: All

Add Representation Profile 1 - 9 of 9 Records

Name	Description	View	Edit	Delete
1 Derivative Copy	Derivative Copy Representation (Not in Permanent)	View	Edit	Delete
2 Derivative High	High resolution derivative copies	View	Edit	Delete
3 Derivative Low	Low resolution derivative copies	View	Edit	Delete
4 Derivative Medium	Medium resolution derivative copies	View	Edit	Delete
5 Modified Master	Modified Master Representation (in Permanent)	View	Edit	Delete
6 ALTO	Preservation Master and MODIFIED_ALTO	View	Edit	Delete
7 Preservation Master	Preservation Master Representation (in Permanent)	View	Edit	Delete
8 IIF Representation Profile	Representation for IIF manifest	View	Edit	Delete
9 Modified + Derivative	-	View	Edit	Delete

1 - 9 of 9 Records

Default Representation Profile

Name	Description	View	Edit
Default Representation Profile	All Representations with various files and formats	View	Edit

IIF Manifestation Profile

Name	Description	View	Edit
IIF Manifestation Profile	Representation for IIF manifest	View	Edit

List of Representation Profiles

The Representation Profile includes the attributes of the representation as shown in the details of one profile (Derivative Low, see [Figure](#)).

Representation Profile Configuration / Details

General Information

* Name Description

Input Parameters

Single Representation

* Preservation Type In Any * Representation Code In Any

* Representation Entity Type In Any

Output Parameters

Download All Disallow All Representations Selected Representation Download File

Hide Restricted Files

Representation Profile Details

The Input Parameters section includes the following fields:

- **Preservation Type:** The out-of-the-box values of this field are Preservation Master, Modified Master, and Derivative Copy. However, users can add values to the code table and define additional types of representations.
- **Representation Code:** The out-of-the-box values of this field are High, Medium, and Low. This field is used mostly for derivative copies, in order to differentiate between them.
- **Representation Entity Type:** This field has always been part of the Data Model, but it was never used in any of the Rosetta modules. It can be used as another field by which to group representations or to identify specific representations as a profile.

The Output Parameters section includes the following fields:

- **Download All:**



- Disallow – No download option is available
- All representations – the Download icon appears that allows you to download all files in the representations.
- Selected Representations – An option is available that allows you to download the files of the representation that you are currently viewing
- Hide Restricted Files: Select to hide files in the viewer to which you are denied access due to an access rights restriction. If cleared, the restricted file names appear in the viewer and a denied access page appears if the file name is clicked.
- Download File: Select to display the option to download the original file.

A process automation task is available for updating representation metadata for a set of representations.

During delivery, multiple representations are sorted according to the fields in the chosen Representation Profile: first by Preservation Type, then by Representation Code, and finally by Representation Entity Type. If a field is marked as Any, the field is ignored for sort purposes.

Logical structmap will precede physical structmap of the same representation.



Delivery XSL Files

Delivery XSL Files

Configuring the display of IE and file metadata is performed using [Delivery Metadata Fields](#).

Deposit Managers can define how metadata is displayed or printed for other users by editing XSL files.

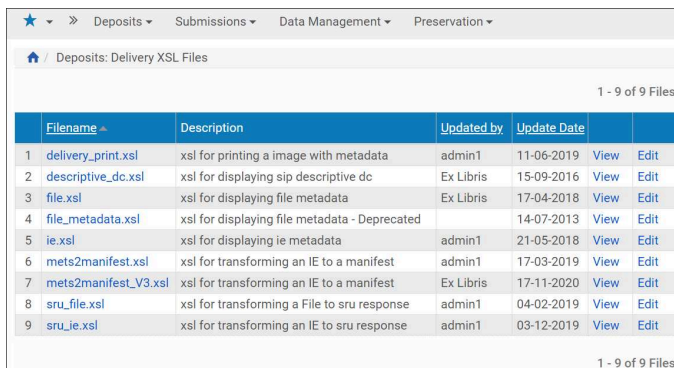
For example, a Deposit Manager can edit lines of an XSL to determine the exact metadata to be printed with an IE image. While the default print contains no metadata or additional information, information and additions can be made available to a file when it prints.

Deposit Managers can configure these files using the Delivery XSLs page. To reach this page, follow the path Deposits > Advanced Tools > Delivery XSL Files.

The Configuration Files page enables you to view the list of available configuration files and open individual files for editing.

The Configuration Files page differs in content based on the type of file you select from the Deposits > Advanced Tools > Delivery XSL Files menu.

Users access individual files by clicking through paths from the Rosetta Management Home page. [Figure](#) follows the path Deposits > Advanced Tools > Delivery XSL Files.



Filename	Description	Updated by	Update Date		
1 delivery_print.xsl	xsl for printing a image with metadata	admin1	11-06-2019	View	Edit
2 descriptive_dc.xsl	xsl for displaying sip descriptive dc	Ex Libris	15-09-2016	View	Edit
3 file.xsl	xsl for displaying file metadata	Ex Libris	17-04-2018	View	Edit
4 file_metadata.xsl	xsl for displaying file metadata - Deprecated		14-07-2013	View	Edit
5 ie.xsl	xsl for displaying ie metadata	admin1	21-05-2018	View	Edit
6 mets2manifest.xsl	xsl for transforming an IE to a manifest	admin1	17-03-2019	View	Edit
7 mets2manifest_V3.xsl	xsl for transforming an IE to a manifest	Ex Libris	17-11-2020	View	Edit
8 sru_file.xsl	xsl for transforming a File to sru response	admin1	04-02-2019	View	Edit
9 sru_ie.xsl	xsl for transforming an IE to sru response	admin1	03-12-2019	View	Edit

Delivery XSL Configuration Files

To open a file for editing, click the Edit text of the file's row. Once you have opened the XSL page, you can make any alterations to the XSL and click the Save button to implement the changes.



Delivery Metadata Fields

Delivery Metadata Fields

Deposit Managers can define what metadata will be displayed for other users from the IE Metadata and File Metadata sections of the Metadata Delivery Fields page. With the Share URL Field section, you determine from which field Rosetta viewers take the URL when the user clicks the Share icon in the viewer. To reach this page, follow the path Deposits > Advanced Tools > Delivery Metadata Fields.

Deposits: Delivery Metadata Fields

Section	Items Selected	Remove all	Add all
IE Metadata	Abstract	-	+
	Abstract - CMS	-	+
	Access Rights	-	+
	Access Rights - CMS	-	+
	Access Rights Policy ID (IE)	-	+
	Accrual Periodicity	-	+
	Accrual Periodicity - CMS	-	+
File Metadata	AES - Analog Digital Flag	-	+
	AES - Bit Depth	-	+
	AES - Bit Rate Reduction Data Rate	-	+
	AES - Bit Rate Reduction Data Rate Mode	-	+
	AES - Byte Order	-	+
	AES - Channel Assignment	-	+
	AES - Channels	-	+
		-	+
Share URL Field	Identifier - ISSN (DCTERMS)	-	+
	Identifier (DC)	-	+
	Identifier - ISMN (DC)	-	+
	Identifier - URI (DCTERMS)	-	+
		-	+

Cancel Save

Delivery Metadata Fields

To add or remove delivery metadata fields, simply drag and drop the requested field in the left side of the multi-select widget. You can drag the fields to reorder them. The order the fields appear on this page are the order they appear in Rosetta.



Rosetta Viewers

Rosetta Viewers

Rosetta viewers are used by the Delivery Manager to enable content consumers to view, print, and save objects. Information accessed in this way is read-only and cannot be modified in the viewer.

A viewer displays a representation or a group of representations as defined in the Representation Profile specified by the delivery rules. (For more information, see [Delivery Rules Manager](#).)

The Representation Profile determines which representation(s) of the IE should be delivered. The Delivery Rule finds the matching representation(s) of the processed IE. For example, the first Representation Profile is the Low Resolution Derivative Copy Representation. If it is determined that this doesn't exist, the Preservation Master Representation is delivered.

To display different types of content (such as images, text, or video content) for IEs, representations, and files, the Rosetta system provides these different types of viewers out-of-the-box. (Additional viewers can be added and configured.)

The general viewer toolbar and the IE/Rep viewers display a Share icon that displays a URL that you use to share digital files. To prevent the display of the Share icon, enter the parameter `share=false` either in the delivery rule for the file, the configuration of the viewer, or directly on the URL of the file.

Managing Viewers

Rosetta uses two types of viewers:

- **Bundled:** These viewers are part of Rosetta and can only be viewed by the users. For example, FlexPaper and Book Reader viewers.
- **External:** Users can add new viewers as external viewers. For technical details about external viewers, see External Viewers.
The viewer entity includes the following attributes:
 - **Name and Description:** for identifying the viewer
 - **URL:** for redirecting the files
 - **Level:** IE or file
 - **VPP (Plugin):** The viewer pre-processor. The tool that is used to fetch the files from the storage (operational or permanent) and the metadata (based on the information in the METS XML file) and to prepare it for the viewer, based on the specific capabilities of the viewer.

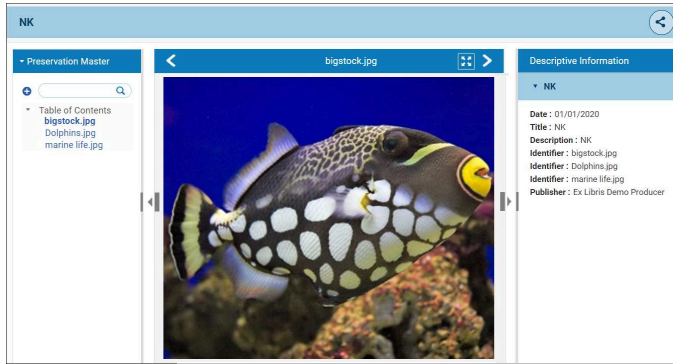
General IE Viewer for Mixed Content

An enhanced General IE Viewer is used as the default IE viewer for IEs and representations that contain mixed content (for example, sets of research data, audio albums with music files, and images) or in any other case in which there is no commercial (or in-house) viewer that can handle the set of files.

The General IE Viewer is based on the structural map in the METS XML file, and each file can be viewed separately.



The new General IE Viewer looks like the following:



General IE Viewer, Image

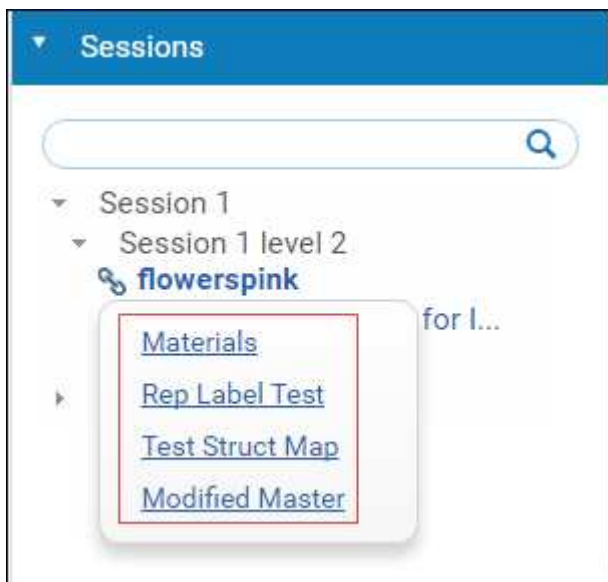
The General IE viewer shows one structural map (logical or physical) of one representation at a time. If the General IE viewer receives a list of representations, the representations appear in drop-down drawers on the left pane of the viewer. The user can open each one and select a structural map. The right pane of the viewer displays the descriptive metadata of the file.

From the top-right of the viewer, the user can:

- Click the Download icon to download the files of the IE. If configured, you have the option of downloading a single file or all of the files in the IE. (For information on configuring the Download icon, see [Representation Profiles](#).)
- Click the Folder icon to open a list of links to the collections associated with the IE. The collection viewer opens in a new tab.
- Click the Share icon to share the delivery URL of the IE.

When more than one copy of a file is associated with a representation, Rosetta provides the means to navigate multiple images in the same object view. Multiple images are associated through a Group ID and can be browsed through the viewer. Their identification codes allow them to retain their association no matter where they may be distributed in the system or an export.

Object viewers have a table of contents in the left column with an link icon next to items containing links to associated objects. You can link several files by assigning them the same Group ID in the object Characteristics section of the file level DNX. Hovering over a linked file displays the list of linked files.



Information for Other Versions

Metadata for the files appears in the right pane.

The IE Viewer is supported for mobile devices. Downloading files is supported for mobile devices with the android operating system.

Article Viewer

The Rosetta Article Viewer allows you to view PDFs of scholarly articles in Rosetta, and complies with Google Scholar indexing requirements of article metadata and full text. The viewer uses source MD of type=OTHER and subtype=article, according to the specified structure, to generate HTML meta tags in order to comply with Google Scholar requirements. If no such MD is provided, Rosetta uses specified DC fields.

Scholarly material IEs should all belong to one or more collection. These collections should be exposed to Google using a sitemap with deeplinking URLs (for example: <http://rosetta.university.edu:1801/delivery/action/collectionViewer.do?collectionId=15584175>).

You must configure the Article Viewer as the delivery method for scholarly material in order for Google crawlers to reach and index it.

General Representation Viewer for Mixed Content

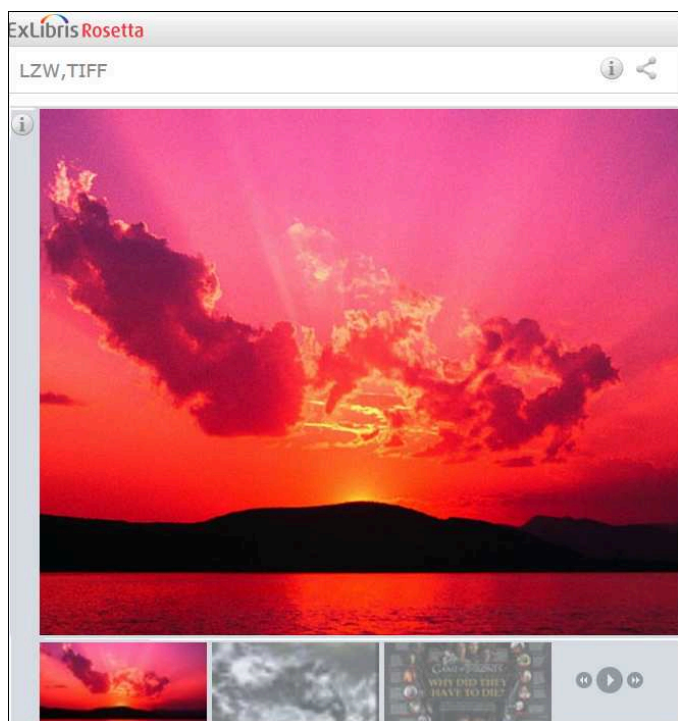
An HTML5 viewer that accepts a single representation (provided by the delivery rule representation profile). It can display only formats that are supported by HTML5. For other formats, the viewer supports download only. Click the Download icon to download the files of the IE. If configured, you have the option of downloading a single file or all of the files in the IE. (For information on configuring the Download icon, see [Representation Profiles](#).)

The representation viewer is supported for mobile devices. Downloading files is supported for mobile devices with the android operating system.

For information on configuring the metadata fields that appear in the General Representation Viewer, see the Delivery Metadata Fields section of the Rosetta Configuration Guide.

Photo Album Viewer

The Rosetta Photo Album viewer allows you to view images in photo album style by flipping through images. Supported formats are png, gif, and jpg.



https://knowledge.exlibrisgroup.com/Rosetta/Product_Documentation/Rosetta_Configuration_Guide/004Configuring_Delivery/...

Updated: Wed, 06 Mar 2024 10:45:18 GMT

Powered by



Photo Album Viewer

Universal Viewer

The Universal Viewer has the ability to display and zoom in on high-resolution images and supports formats such as tiff, jpeg2000, PDF, and audio and video formats. You have the option to download the original high-resolution file when you click the Download button.

The Universal Viewer does not support representations of mixed content. All the files in the representation must be the same format for the viewer to work.

To support the Universal Viewer, Rosetta provides a IIIF image server and publishes a IIIF manifest for representations.

Videos Viewer

The Videos viewer is an AV viewer that includes streaming support and allows you to change the speed of the playback.

Streaming Viewer

The streaming viewer supports streaming video and audio files that were created by the Video to HLS Streaming transformation profile.

OpenSeadragon Viewer

The OpenSeadragon viewer is a viewer for high-resolution zoomable images. With this viewer images can be rotated and printed. The print function uses the print.xsl file that you can configure to include specific metadata.

XSL Viewer

The XSL viewer displays XML files in HTML by using a stylesheet that you can configure.

FlexPaper Viewer

The FlexPaper viewer is a viewer to display PDF files.

Embedded Viewers

Rosetta Delivery supports embedding viewers as components in Web pages that display digital objects.

Rosetta allows configuring the viewers to be embedded in other ways, by setting the parameters of the viewer URL.

These parameters control the appearance of the header, toolbar, and footer around the viewer.

When adding to the URL the parameter `embedded=true`, the image appears without the Rosetta header and footer:





Embedded Viewer

To display the object without the title and top toolbar (folder, information, and share icons), an additional parameter of `toolbar=false` must be added to the `embedded=true` parameter (shown above).

dps_func parameter

The `dps_func` parameter is used for getting access to the file(s) without using the Delivery chrome (e.g. header, footer, toolbar, logo, and background colors). It can be used for getting the thumbnail of the IE (`dps_func=thumbnail`) or the file itself streamed to the user's browser (`dps_func=stream`).

The list of parameters for some of the viewers are documented in [Viewer Parameters](#).

Image-Based File Viewer

When the IE or representation contains a single file, this file is displayed without the tree structure on the left.

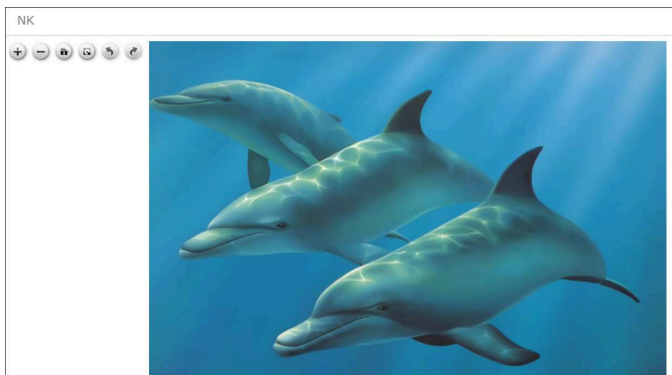


Image-Based File Viewer

This viewer displays image files and enables users to perform the following actions on the image:

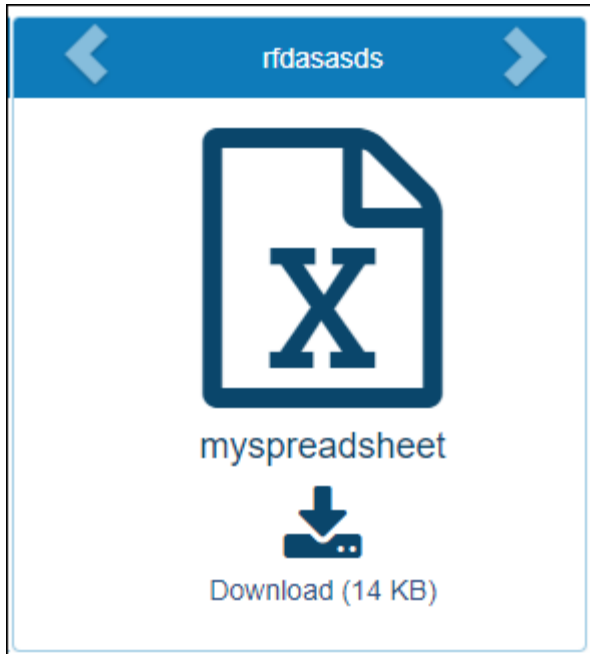
- Zoom in and out
- Rotate 90 degrees in either direction
- Display image metadata
- Open a print-friendly version of the image in a new browser window by clicking the print icon on the toolbar
- Save a copy of the image to their own local or network drive using the download button beside the print button.



Web Browser-Based File Viewer

If there is no viewer that supports the file format of the delivered file, you can configure how Rosetta handles the file. By default, Rosetta's file viewer streams the file to the browser and the user can download it or use a plug-in on the local computer to render the file. For example, Office documents are streamed to the user's browser for download and opened locally on the user's PC.

Alternatively you can configure the file viewer to display a thumbnail (or icon if no thumbnail is available) with a download link. For example:



There are three ways to configure the file viewer to display the download link instead of sending the file to the browser.

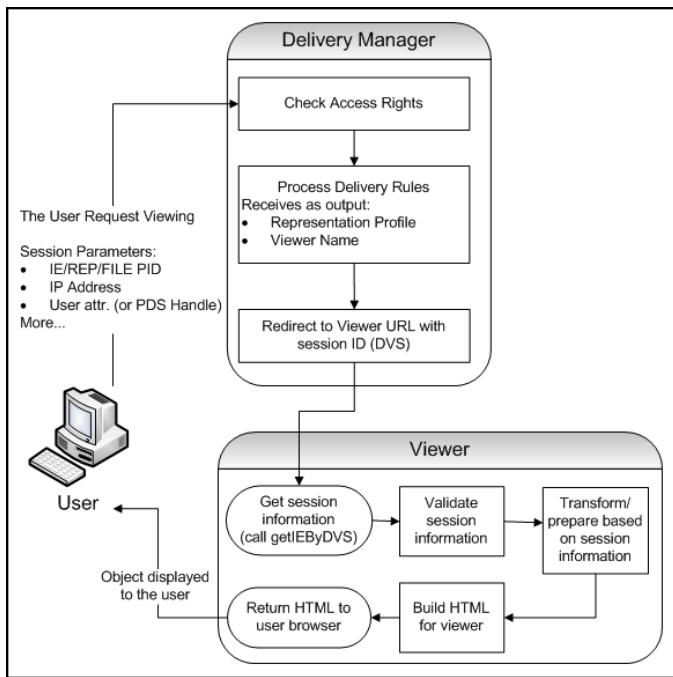
- Create a delivery rule for the file (see [File Delivery Rules](#)) with a parameter of `direct=false`.
- Add the suffix `direct=false` to the URL of the file.
- On the Viewer Management page (Administration > Delivery > Viewer Management) add the suffix `direct=false` to the URL field of the viewer.

External Viewers

Data Flow

The diagram below shows the flow of the delivery request between the user, the Delivery Manager, and the external viewer.





External Viewer, Data Flow

Viewer Preprocessor

In the figure above, the external viewer obtains all the information from the delivery session. If needed, a VPP plug-in can be used by the Delivery Manager to prepare the files for viewing by the external viewer.

External Viewer Methods

The two methods described below are part of a Web service:

- **Get IE by DVS Method**
This method is used by the external viewer for getting the content of the IE as it is stored in the Delivery session. The method uses the session ID (called dvs) sent by the Delivery Manager. In response, the delivery session sends the IE (METS XML) as a string. The METS file can be parsed by the IE Parser (which is available in the Rosetta SDK). The string includes the IE and representation metadata (Source DC, Descriptive, and DNX) and a list of structural maps which include file path and label for each file.
- **Get Full IE by DVS Method**
This method, the getFullIEByDVS, returns the full IE including all the information (DNX) on every file.

APIs for External Viewers

The following are examples in which the API is used to integrate an external viewer:

- **Wowza** – Used by an Ex Libris partner for viewing video and audio files. As shown in the figure above, the Delivery Manager redirects the files to the server on which the viewer resides, and the viewer streams the video or audio file to the user's browser.
- **DFG Viewer** – A custom-made Web service designed by an Ex Libris partner to create an object view outside of Rosetta and independent from any internal Rosetta viewer. It interacts with the Deliver Manager by using the API to retrieve the files (PDF, images) from the delivery session.



Adding an External Viewer

External viewers are added through the Rosetta user interface (UI).

Users must create a new viewer and enter its URL. If the viewer requires specific processing of the IE, a VPP can be plugged in as well using the plug-in management UI.

After adding the viewer record, users can create delivery rules that redirect to the external viewer. For example, viewers such as Wowza can be used for streaming a video file.

All viewers that are not in-house developments (e.g. commercial or open source tools developed by other software developers/companies) are implemented as external viewers and are not part of Rosetta source code.

Customizing the Viewer Header

Delivery viewers use the logo and background colors specified for the IE's institution. For information on how logos and colors are associated with institutions, see [UI Customization Per Institution](#).

Delivery Parameters

The following table describes delivery parameters for URL viewers. These parameters can be added either to the Delivery URL or as the Viewer parameters in the Delivery rule. With the exception of the list specified in the table below, any querystring parameter can be appended to the delivery request (either directly on the request URL or via the delivery rules) and is forwarded to the viewer.

Delivery URL Parameters

Parameters	Level	Result
		Default settings including:
toolbar=true	IE/ Rep/ File	<ul style="list-style-type: none">• Header• Toolbar• Viewer iFrame• Footer
		Default settings including:
embedded=false	IE/ Rep/ File	<ul style="list-style-type: none">• Header• Toolbar• Viewer iFrame• Footer
direct=false	File	A download link is displayed, giving the user the option to download the file. By default, the file is sent to the browser for display or download if display is not possible.
toolbar=false AND embedded=true	IE/ Rep/ File	IFrame with only keep-alive functionality and the Viewer IFrame



Parameters	Level	Result
dps_func=stream	File	Stream file
dps_func=thumbnail	IE/ Rep/ File	Stream thumbnail directly
dps_frame	IE/ Rep/ File	When false, redirection to an external viewer does not include a Rosetta wrapper. The number of concurrent users is not checked when set to false. Access rights policies that are based on this condition will pass.
dps_func=mets	IE	METS XML

Viewer Parameters

The following table describes the parameters for the General IE viewer:
General IE Viewer Parameters

Name	Default Value	Description
AUTOMATIC_LOADING	True	When opening the IE Viewer, the first file will not be delivered. Can be used when a thumbnail is preferred, or when files are exceptionally large and the user is not expected to necessarily request the first file.
use_arrows	True	Can be used to hide arrows that allow navigation between files in a representation, specifically when the file viewer functionality is affected by their presence.
dps_file={file PID}	First file of the IE	When provided, the viewer opens the requested IE/REP at the requested file.
		Possible values:
toc_pane	show	<ul style="list-style-type: none"> • Show – display the TOC, can be hidden • hide – hide the TOC, can be opened • none – no option to display the TOC
md_pane	show	<ul style="list-style-type: none"> • show – display the MD pane, can be hidden • hide – hide the MD pane, can be opened • none – no option to display MD pane



Name	Default Value	Description
search	show	<ul style="list-style-type: none"> • show – display the search box • hide, none – do not display the search box

The following table describes the parameters for the General Representation Viewer:
General Representation Viewer Parameters

Name	Default Value	Description
dps_file={file PID}	First file of the Representation	When provided, the viewer opens the requested REP at the requested file.

The following table describes the parameters for the XSL Viewer.
XSL Viewer Parameters

Name	Default Value	Description
xsl_file		The XSL stylesheet used to display XML files.

The following table describes the parameters for the FlexPaper Viewer.
FlexPaper Viewer Parameters

Parameter	Default Value	Description
read_only	false	When read_only=true, the FlexPaper viewer opens without print functionality. OTB remains with print functionality ('read_only=false').
		Possible values:
init_view_mode	portrait	<ul style="list-style-type: none"> • portrait – displays one page at a time • thumb_view – displays the file as thumbnails • two_page – displays two pages at a time.

The following parameters apply to the Video Player Viewer.

Viewer Parameters: Video Player - JWPlayer

Name	Description	Example
Volume	The volume the player will start playing. Default value is 50 and it can be between 0 and 100.	volume=75
autoStart	By default you need to press play for a file to start playing. By setting this parameter	autoStart=True



Name	Description	Example
	to true, the file starts playing automatically on load, and if there's a playlist the next file will automatically start after the previous one has finished.	
Metadata	A Boolean value indicating whether or not to activate the metadata plugin that creates a sidebar showing the metadata extracted on the fly. To see its affect add: "metadata=true" to the url.	metadata=true
audioView	By default the audio viewer will only display the player tray. To view visualization effects for audio file playback set this parameter to true.	audioView=true
skin	<p>The design of the viewer. the following skins are supported by Rosetta:</p> <ul style="list-style-type: none"> • kleur.zip • vector01.zip • niion.zip • moderngreen.zip • anoto.zip • cassette.zip • jump.zip • yellowish.zip • nature01.zip • videosmartclassic.zip • nexus.zip • grungetape.zip • snel.zip • fs40.zip • playcasso.zip 	skin=kleur

The following parameters apply to the photo album viewer.

The Photo Album viewer is strict regarding parameter syntax. For example, no spaces are allowed around the equal sign, and the parameter value must be quoted with single quotation marks.

Viewer Parameters - Photo Album

Name	Default Value	Description
transition_speed	2000	Duration of panel/frame transition (in milliseconds)
transition_interval	2000	Delay between panel/frame transitions (in milliseconds)
easing	'swing'	Easing method is used for animations (jQuery provides 'swing' or 'linear', more available with jQuery UI or Easing plugin)



Name	Default Value	Description
show_panels	true	Flag to show or hide panel portion of gallery
show_panel_nav	true	Flag to show or hide panel navigation buttons
enable_overlays	true	Flag to show or hide panel overlays
panel_width		Width of gallery panel (in pixels)
panel_height		Height of gallery panel (in pixels)
panel_animation	slide	Animation method for panel transitions (crossfade, fade, slide, none)
panel_scale	crop	Cropping option for panel images (crop = scale image and fit to aspect ratio determined by panel_width and panel_height, fit = scale image and preserve original aspect ratio)
overlay_position	top	Position of panel overlay (bottom, top)
pan_images	true	Flag to allow user to grab/drag oversized images within gallery
pan_style	drag	Panning method (drag = user clicks and drags image to pan, track = image automatically pans based on mouse position)
pan_smoothness	15	Determines smoothness of tracking pan animation (higher number = smoother)
start_frame	1	Index of panel/frame to show first when gallery loads
show_filmstrip	true	Flag to show or hide filmstrip portion of gallery
show_filmstrip_nav	true	Flag indicating whether to display Navigation buttons
enable_slideshow	true	Flag indicating whether to display slideshow play/pause button
autoplay	false	Flag to start slideshow on gallery load
show_captions	true	Flag to show or hide frame captions
filmstrip_size	3	Number of frames to show in filmstrip-only gallery
filmstrip_style	scroll	Type of filmstrip to use (scroll = display one line of frames, scroll filmstrip if necessary, showall = display multiple rows of frames if necessary)
filmstrip_position	bottom	Position of filmstrip within gallery (bottom, top, left, right)
frame_width	164	Width of filmstrip frames (in pixels)
frame_height	80	Width of filmstrip frames (in pixels)



Name	Default Value	Description
frame_opacity	0.5	Transparency of non-active frames (1.0 = opaque, 0.0 = transparent)
frame_scale	crop	Cropping option for filmstrip images (same as above)
frame_gap	5	Spacing between frames within filmstrip (in pixels)
show_infobar	false	Flag to show or hide info bar
infobar_opacity	1	Transparency for info bar

The following parameters apply to the JP2000 viewer.

Viewer Parameters - JP2000 Viewer

Parameter	Default Value	Description
read_only	false	When read_only=true, the download and print buttons are hidden.

About Viewer Preprocessors

To display content successfully, viewers (especially third-party viewers) can impose special requirements on content, such as format or file location. For example, if a content consumer requests XML content, an XSL transformation must be performed in order to show the content in a Web browser.

To enable correct display of any content, the Rosetta system prepares the content using viewer preprocessors, which are implemented as plug-ins.

The table below describes the viewer preprocessors that the Rosetta system uses:

Viewer Preprocessors

Viewer Preprocessor	Description
XSLViewerPreProcessor	This viewer preprocessor performs XSL transformation of XML files to HTML that is displayed in a Web browser.
DefaultViewerPreProcessor	The requested content can be displayed in a Web browser without any additional transformation.
FullTextViewerPreProcessor	Converts all PDF files in representation into a single HTML file. Use with the StreamGate viewer to provide a fulltext representation to a harvester (for example, Primo).
StreamingHLSViewerPreProcessor	Prepares the video tar file for streaming format

Viewer preprocessors are provided with the Rosetta system as a part of installation. New preprocessors can be added as plug-ins via the plug-in management UI.



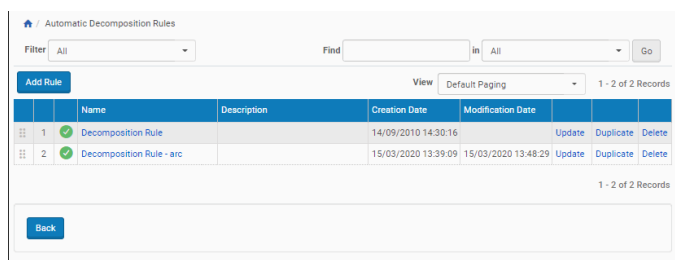
Deposits

Automatic Decomposition Rules

Rosetta automatically determines whether a given compressed file should be extracted in accordance with the automatic decomposition rules set in the system.

To set the automatic decomposition rules, do the following:

1. From the Administration page, click Deposit > Automatic Decomposition Rules. The Rule List page opens.



	Name	Description	Creation Date	Modification Date			
1	Decomposition Rule		14/09/2010 14:30:16		Update	Duplicate	Delete
2	Decomposition Rule - arc		15/03/2020 13:39:09	15/03/2020 13:48:29	Update	Duplicate	Delete

Rule List Page

This page lists all existing automatic decomposition rules.

2. Perform one or more of the following actions. To
 - filter the list by status, select the required status from the Filter drop-down list (Active or Inactive).
 - add a new rule, click the **Add Rule** button.
 - edit an existing rule, click the Update text of the rule's row.
 - duplicate an existing rule, click the **Duplicate** text of the rule's row.
 - delete a rule, click **Delete** on the rule's row and confirm the deletion.For adding, editing, or duplicating a rule, the Rule Details page opens.



Rule Details Page

3. Enter or edit the details of the rule:
 - a. In the Rule Editor pane, a name and a description
 - b. In the Input General Parameters pane, the extension of the file you want to be automatically extracted in the Value field.
 - c. Select the appropriate operator from the Operator drop-down list (InList, Contains, or =). For detailed instructions and explanations of operators, see [Operators Used in Rule Parameters](#).
 - d. In the Output Parameters pane, select the desired result from the Result drop-down list.
4. Click **Save**.
The Rule List page opens. The new rule appears in the list.
5. To edit an existing rule, click **Update**.
The Rule Details page opens.
6. Enter the updated details of the rule as described in [Step 3](#).
7. Click **Save**.
The Rule List page opens. The rule has been updated.

Registration Rules

When a new Producer is registered in the Rosetta system, the system automatically assigns a Producer profile, Producer group, and status to the new user. Administrators can configure this assignment during advanced configuration using the Deposit Registration Rules mapping table (below).



1st Time Registration Rules

Sub System: PRODUCER_MANAGEMENT Table Name: Deposit Registration Rules

Updated by: Ex Libris (Servicepack 6.2.0.0) Updated on: Sun Apr 17 00:00:00 CEST 2016

Table Description: Registration Rules

Mapping Table Rows

	producergroup	rolestatus	producerprofileid	negotiatorid	reason	Description	
1	<input checked="" type="checkbox"/> Published	ACTIVE	1	107	published	Published	Delete

Create a New Mapping Row

producergroup
 rolestatus
 producerprofileid
 negotiatorid
 reason
 Description

Deposit Registration Rules Mapping Table

To access this page, from the Advanced Configuration page, click Deposit > 1st-Time registration rules. The mapping table for Deposit Registration Rules opens.

Administrators can work with the Deposit Registration Rules mapping table as described in [Working with Mapping Tables](#).



E-mail Notifications

E-mail Notifications for Deposit Activity

Rosetta e-mails a report on deposit activity for a given Producer's account when two conditions are met:

1. The Producer or a Negotiator registers the Producer and signs the Producer up to receive regular reports. This condition is met when a Producer self-registers or when a Negotiator registers a Producer. See [Add Producer Account Process](#).
2. A Negotiator activates these reports from the back office and sets the start date and the frequency for all Producer reports in the system. See [Modifying the Producer Report Job](#).

Digital Signature

To use a digital signature on e-mail communications, set up the feature as follows:

Obtain the certificate through an external certificate of authority (CA).

Copy the certificate to Rosetta deposit server. Configure the following parameters:

- digital_certificate: the location of the certificate
- digital_certificate_password: the password for the certificate
- digital_signature: flag to turn on/off the digital signature

Name	Description	Type	Module	Value
http_ajax_async_enable	The HTTP header parameter X-Requested-With is configured to be SAMEORIGIN to prevent click-jacking attacks.	boolean	general	false
collection_name_id	Display the Collection ID alongside the collection name in the collection tree (Collection Management and Search).	boolean	general	false
digital_certificate	Name of the digital certificate file used for email signing. Stored in the operational shared directory.	string	general	digital_certificate
digital_certificate_password	Password of the digital certificate used for email signing.	string	general	Password
digital_signature	Use of digital certificate to sign emails is permitted.	string	general	true
additional_additional_domains	Additional Domain Name reservations for the Web-Editor.	string	general	editor-modern/http://www.mads.com/;journal-admin/http://www.environment.no.gov.uk/?cat=
regex_regex	Regular expression validation rules for email addresses.	string	general	^[0-9a-zA-Z-]+@[0-9a-zA-Z-]+(\.[0-9a-zA-Z-]+)*\$
enforce_max_session_timeout	Session time out in seconds.	number	general	1800
enforce_acl_report	Enforces Access Rights during E-report (Search and Web Editor only).	boolean	general	true
help_url	Help page URL.	string	general	https://knowledge.exlibrisgroup.com/442/

Digital Signature Option on General Parameters Page



Repository-Related Configurations

- [Tasks, Task Chains, and Processes](#)
- [Configuring Metadata](#)
- [Utilities and Files](#)
- [General Settings for Repositories](#)
- [Configuring Sequences](#)
- [Configuring Persistent Identifiers](#)
- [Configuring Property Flattening](#)



Tasks, Task Chains, and Processes

Tasks, Task Chains, and Processes

This section contains:

- [Introducing Process Management](#)
 - [Managing Tasks](#)
 - [Managing Processes](#)
-

Introducing Process Management

After Producer Agents deposit their content to the Rosetta system, the system performs various operations to process this content. Administrators can control the processing by configuring processing operations and defining content that must be processed.

The Rosetta system organizes the processing operations as follows:

- **Tasks:** individual content-processing operations that the system performs, such as persistent identifier generation and technical metadata extraction.
Tasks are implemented as Java classes, which are provided with the Rosetta system.
Administrators can monitor how the tasks are being performed.
 - **Task chains:** an ordered series of tasks that the Rosetta system performs.
Task chains are created and configured by Administrators.
In addition, several common task chains (such as validation stack) are predefined in the Rosetta system.
 - **Processes:** task chains that the Rosetta system performs on a set of objects.
Processes are created and configured by Administrators. (For more information on configuring processes, see [Managing Processes](#).)
-

Managing Tasks

This section contains the following topics:

- [About Tasks](#)
- [About Task Chains](#)

About Tasks

A task is an external utility used by Rosetta to manipulate objects stored in the system. (For more information about utilities, see [Utilities and Files](#).) Each task works on one IE at a time.



Tasks cannot be created through the UI. However, some tasks can be configured by users and have different parameters.

Some tasks are built around software plug-in tools, and users can install new plug-ins to be used by existing tasks. The Create Copy Representation task uses the migration plug-in mechanism to create copies of preserved files. See [Utilities and Files](#) for information about how to configure this task.

Examples of tasks are as follows:

- Tasks using plug-ins – Technical metadata extraction, Generic DOI generator
- Tasks not using plug-ins – CMS update task, Export IE
- Create Derivative Copies tasks using tools that are not managed as plug-ins: Tools managed using a mapping table and set of rules.

Administrators can combine tasks into task chains. (For more information about task chains, see [Tasks, Task Chains, and Processes](#) and [Managing Processes](#).)

Tasks that relate to files or representations, for example, Delete Thumbnails, are not applicable to structural IEs.

About Task Chains

Task chains are added, updated, and deleted by the System Administrator and used by Data Managers when they run processes.

Task chains can include one or more tasks. The System Administrator can set the order of tasks in the chain, so one task will be based on the results of another.

Task chains and the tasks that comprise them are available depending on the object level on which you are working. For example, access rights task chains will be available to IEs and Representations but not to files.

Task chains are categorized into groups, the purpose of which is twofold:

1. Order of task chains – The groups are used for better management of the task chains. The ordering of the task chains into categories can be reflected in reports.
2. Validation and prioritization purposes – The task chain group can be used to validate which task chain will be available to the users in the UI. For example, only task chains that belong to the Validation Stack group can be used in the validation stack phase. In addition, the system can manage the priority of a task chain by the process automation module based on the groups (for example, task chains that belong to the Validation Stack group will have a higher priority than the Maintenance task chains).

The groups are as follows:

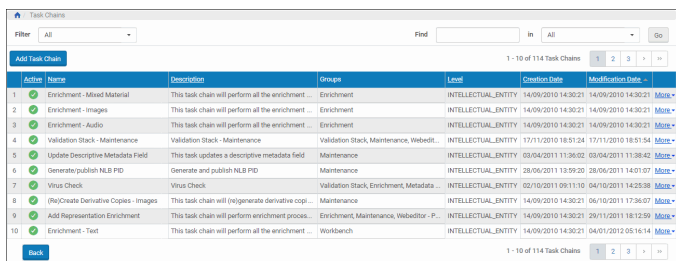
- Validation Stack – Task chains that belong to this group are available for selection in the SIP processing configuration to be used in the validation stack stage.
- Web Editor Staging – Task chains in this group are available for the 3A users (Approver, Assessor and Arranger) as services when opening a SIP during the assessment phase of the SIP processing.
- Preservation – Task chains in this groups can be categorized as Preservation.
- Maintenance – Task chains in this group are available for selection in Processes in the Data Management area.
- Web Editor Permanent - Task chains in this group are available for the Editors and Data Managers as services when opening an IE in the permanent repository.
- Metadata Validation - Task chains in this group can be categorized as metadata validation.
- Enrichment - Task chains that belong to this group are available for selection in the SIP processing configuration to be used in the Enrichment phase.

Task chains and their descriptions can be found on the Task Chain List page.



Task Chain List page

Task chain groups appear on the Task Chain List page. To access this page, click General > Task Chains from the Administration page.



Action	Name	Description	Group	Level	Creation Date	Modification Date
1	Enrichment - Mixed Material	This task chain will perform all the enrichment ...	Enrichment	INTELLECTUAL_ENTITY	14/09/2010 14:30:21	14/09/2010 14:30:21
2	Enrichment - Images	This task chain will perform all the enrichment ...	Enrichment	INTELLECTUAL_ENTITY	14/09/2010 14:30:21	14/09/2010 14:30:21
3	Enrichment - Audio	This task chain will perform all the enrichment ...	Enrichment	INTELLECTUAL_ENTITY	14/09/2010 14:30:21	14/09/2010 14:30:21
4	Validation Stack - Maintenance	Validation Stack - Maintenance	Validation Stack, Maintenance, Webedit...	INTELLECTUAL_ENTITY	17/11/2010 18:51:24	17/11/2010 18:51:54
5	Update Descriptive Metadata Field	This task updates a descriptive metadata field	Maintenance	INTELLECTUAL_ENTITY	03/04/2011 11:39:02	03/04/2011 11:39:42
6	Generate/publish NLI& PID	Generate and publish NLI& PID	Maintenance	INTELLECTUAL_ENTITY	28/06/2011 13:59:20	28/06/2011 14:01:07
7	Virus Check	Virus Check	Validation Stack, Enrichment, Metadata ...	INTELLECTUAL_ENTITY	02/10/2011 09:11:10	04/10/2011 14:25:38
8	(Re)Create Derivative Copies - Images	This task chain will (re)generate derivative copi...	Maintenance	INTELLECTUAL_ENTITY	14/09/2010 14:30:21	06/10/2011 17:36:07
9	Add Representation Enrichment	This task chain will perform enrichment proces...	Enrichment, Maintenance, Webeditor - P...	INTELLECTUAL_ENTITY	14/09/2010 14:30:21	26/11/2011 18:12:59
10	Enrichment - Text	This task chain will perform all the enrichment ...	Workbench	INTELLECTUAL_ENTITY	14/09/2010 14:30:21	04/01/2012 05:16:14

Task Chain List Page

Adding and Editing Task Chains

New task chains can be created by clicking the Add Task Chain button on the Task Chain List page, then entering values in the fields on the Task Chain Details page (see below). You can also edit existing task chains by clicking the Update link of the task chain's row. To create a task chain based on an existing task chain, click the Duplicate link of the task chain's row.

To create or edit a task chain:

1. From the Administration page, click General > Task Chains.
The Task Chain List page opens.
2. Click the button that describes what you want to do: Add Task Chain, Duplicate (an existing task chain), or Update (an existing task chain).
The Task Chain Details page opens. For new task chains, the fields are empty. For updates or duplicates, most or all of the fields have entries.
3. Enter information in the fields or change information, as needed:
 - Enter a name for the task chain and a description for what it does.
 - Select a Status (active or inactive) from the drop-down list.
 - Select the object level (IE, File, or Representation) to which you want this task chain to apply.
 - Select the group(s) to which this task chain applies.

Tasks assigned to the Maintenance – Advanced group are only available for users with the Manager Full role.



Task Chains / Details

Task Chain ID: Created By: Created On: 10/09/2019 14:42:01
 Updated By: Updated On:

General Information

* Name:

* Description:

* Status: Active Status Date: 10/09/2019

* Task Chain Level: IE

* Groups:

- Preservation
- Maintenance
- Validation Stack - Use file level tasks only
- Maintenance - Advanced
- Workbench
- Webeditor - Staging
- Enrichment
- Move To Permanent
- Metadata Validation
- Webeditor - Permanent

Task List Task Parameters

Add Task

Order	Name	Description	Level	Next Step On Failure
Cancel Save				

Task Chain Details page, update mode

- To assign a task to the chain, click the Add Task button. The Task List page opens with a list of all available tasks.

Task Chains - Details

Find in All

1 - 10 of 83 Tasks

Name	Description	Level	Workflow Group	Creation Date	Modification Date
1 Add Provenance Event for Delete IE	Add provenance event for deleting IE	INTELLECTUAL_ENTITY	FULL	14/09/2010 14:30:21	14/09/2010 14:30:21
2 Add Representation BPSStream	Extract technical metadata from bitstream in added representation	FILE	FULL	14/09/2010 14:30:22	14/09/2010 14:30:22
3 Add Representation Checksum	Runs fslp check on files in added representation	FILE	FULL	14/09/2010 14:30:21	
4 Add Representation Format Identification	Runs format identification on files in added representation	FILE	FULL	14/09/2010 14:30:21	
5 Add Representation Risk Identification Task	Runs risk identification on files in added representation	FILE	FULL	14/09/2010 14:30:22	
6 Add Representation TechnMD extraction	Extract technical metadata from files in added representation	FILE	FULL	17/07/2014 10:16:18	17/07/2014 10:16:18
7 Add Representation TechnMD extraction	Extract technical metadata from files in added representation	FILE	FULL	17/02/2011 09:19:19	17/02/2011 09:19:19
8 Alternative Automatic Evaluation	Alternative Automatic Evaluation	INTELLECTUAL_ENTITY	FULL	14/09/2010 14:30:22	14/09/2010 14:30:22
9 Assign Access Rights	Assign an access rights policy	INTELLECTUAL_ENTITY	FULL	14/09/2010 14:30:21	14/09/2010 14:30:21
10 Assign AIR Policy to Files	Assign an Access Rights Policy to Files	FILE	FULL	19/12/2018 08:38:22	

1 - 10 of 83 Tasks

Task List Page

- Browse or search the Task List page for the task you want to add. When you find it, select it and click the Add button. The task appears below the Task List tab on the Task Chain Details page. Repeat the steps for adding a task as needed.



6. For each task you have added to the list:

- Use the Set order up and down arrows to change the order of tasks that the task chain performs.
 - Select Next or End for Next Step On Failure. This determines what the chain will do if this task fails, continue to the next task (Next) or finish (End).
This setting only determines the behavior between tasks and not the behavior of the taskchain itself, which fails in the event of any task failure.
 - To delete a task from the task list, click the Delete text in the task's row.
7. Click the Task Parameters tab and enter any parameters needed for the tasks you chose.
8. When you have set up the tasks and parameters for the task chain, click the Save button.
Your new or edited task chain appears on the Task Chain page.

Managing Processes

This section contains the following topics:

- [About Processes](#)
- [Accessing the Process List Page](#)
- [Creating a New Process](#)
- [Updating Process Scheduling](#)
- [Updating Sets in a Process](#)

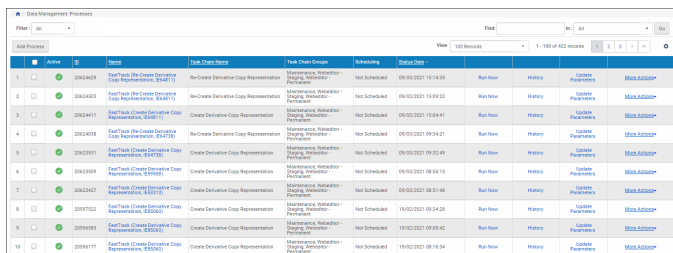
About Processes

A process is a task chain that the Rosetta system performs on a set of objects. Authorized users can manage processes by selecting a task chain and a set that exist in the system.

Accessing the Process List Page

The Process List page enables staff users to work with processes. This includes adding and scheduling processes. To access the Process List page:

Click the Data Management link on the Management Home page, then click Manage Processes. The Process List page opens.



ID	Name	Task Chain Name	Scheduling	Status	Actions
2024029	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 15:16:39	Run New History Update Parameters More Actions
2024030	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 15:19:32	Run New History Update Parameters More Actions
2024031	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 15:18:41	Run New History Update Parameters More Actions
2024032	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:34:21	Run New History Update Parameters More Actions
2024033	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:32:46	Run New History Update Parameters More Actions
2024034	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:31:16	Run New History Update Parameters More Actions
2024035	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:31:48	Run New History Update Parameters More Actions
2024036	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:24:28	Run New History Update Parameters More Actions
2024037	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:30:42	Run New History Update Parameters More Actions
2024038	Test Task (Use Custom Derivative Copy Representation, E14817)	ReCreate Derivative Copy Representation	Not Scheduled	19/03/2021 08:16:34	Run New History Update Parameters More Actions

Process List Page

The Process List page contains a filter and a simple search, basic information about each process, and a series of actions the user can perform (such as duplicating the process or updating the schedule or set). The More text in the final column provides additional actions that can be performed.



Creating a New Process

Administrators can create a new process to define the actions that the Rosetta system must perform on a specified set of objects. Adding a process consists of the following steps:

1. Selecting the task chain that contains the tasks to be performed
2. Specifying general information about the process (such as the name of the process)
3. Defining the set of objects on which the Rosetta system must perform the tasks defined in the task chain
4. Scheduling the process

To create a new process:

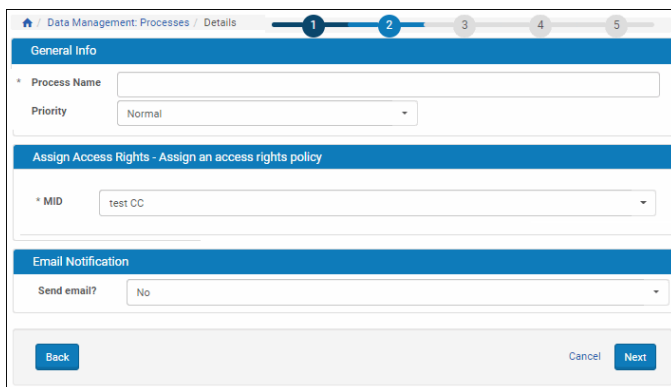
1. On the Process List page (Data Management > Manage Processes), click Add Process. The Choose Task Chain page opens.



Name	Class	Asset	State	Created/Last
IPMCreate Derivative Copies - Audio	WorkflowProcess	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04
IPMCreate Derivative Copies - Images	WorkflowProcess	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04
IPMCreate Derivative Copies - Mixed Metadata	WorkflowProcess	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04
IPMCreate Derivative Copies - Text	WorkflowProcess	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04
IPMCreate Derivative Copies - Video	WorkflowProcess	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04
Access rights change	WorkflowTask, Workflow, Asset to Permission, Metadata, Metadata, Metadata - Permission, Process	INTELLECTUAL_ENTITY	Active	21/05/2012 07:22:00
Access Rights changed - File	WorkflowTask, Workflow, Metadata, Metadata	ADMINISTRATOR	Active	16/06/2018 14:23:04
Add File ID	WorkflowTask, Workflow - Permission	FILE	Active	22/05/2018 07:18:02
Add IPM	WorkflowTask, Workflow - Permission	FILE	Active	22/05/2018 09:19:06
Add Reproduction Permission	WorkflowTask, Metadata, Metadata - Permission	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04
Add to Collection (by ID)	WorkflowTask, Asset to Permission, Metadata, Metadata, Metadata - Permission	INTELLECTUAL_ENTITY	Active	16/06/2018 14:23:04

Add Process

2. From the list of task chains, select the task chain you want to add.
3. Click Next. The Complete Parameters page opens.



Data Management: Processes / Details

1 2 3 4 5

General Info

* Process Name

Priority

Assign Access Rights - Assign an access rights policy

* MID

Email Notification

Send email?

Back Cancel Next

Complete Parameters Page

4. In the Process Name field, enter the name of the process.
5. In the Priority field, you can select a priority for the process.
6. In the Parameters pane, complete the fields as required.

In the Parameters pane, the fields are generated dynamically, based on the task chain configuration.

7. Click Next. The Define Set page opens.



Data Management: Processes / Details

1 - 10 of 146 Records

	Name	Set Type	Object Type	Created By	Creation Date
1	<input checked="" type="radio"/> 6.1 qa test	Itemized	Intellectual Entity	admin1	16/06/2019 08:38:09
2	<input type="radio"/> 7.0Rosetta	Logical	Intellectual Entity	admin1	07/01/2021 10:28:02
3	<input type="radio"/> aaaaaa alma	Logical	Intellectual Entity	admin1	01/07/2020 08:38:10
4	<input type="radio"/> AAA one IE set	Itemized	Intellectual Entity	admin1	29/07/2019 13:50:59
5	<input type="radio"/> Add Collections	Logical	Intellectual Entity	admin1	19/07/2012 12:00:01
6	<input type="radio"/> add Landscape	Logical	Intellectual Entity	staffuser	26/07/2013 10:28:12
7	<input type="radio"/> aimage	Logical	Intellectual Entity	staffuser	08/11/2013 02:49:10
8	<input type="radio"/> Alp export set	Logical	Intellectual Entity	admin1	18/06/2020 22:50:59
9	<input type="radio"/> All IEs deposited during 2013	Logical	Intellectual Entity	admin1	21/05/2013 08:52:05
10	<input type="radio"/> All	Logical	Intellectual Entity	admin1	16/11/2016 00:22:38

Exclude objects that have already been processed (only objects that have been updated since the last processing day will be included)

1 - 10 of 146 Records

Back Cancel Next

Define Set Page

- In the list of sets, select the set you want to add.
- Click Next. The Scheduling page opens.

Data Management: Processes / Details

1 - 10 of 146 Records

No Scheduling

Once
Daily
Weekly
Monthly
Advanced

Back Cancel Next

Scheduling Page

10. Schedule the process execution by clicking one of the following options:

- Scheduling - Once
 - Scheduling - Daily
 - Scheduling - Weekly
 - Scheduling - Monthly
- Fields for the option you select are displayed in the right pane.

Data Management: Processes / Details

1 - 10 of 146 Records

No Scheduling

Once
Daily
Weekly
Monthly
Advanced

Start At

Time 10 41

Date 23/05/2021

Repeat Indefinitely

Until

23/05/2021

Back Cancel Next

Scheduling - Daily

11. Provide the rest of the information as required.



12. Click Next. The Confirmation page opens.

General Information	
Process Name	AR Change
Priority	Normal

Parameters For Tasks	
MID	42266

Set Information	
Set Id	19051149
Name	6.1 qa test

Scheduling	
Daily At:	Every day at 10:41:00

Buttons: Back, Cancel, Submit

Confirmation Page

13. Review the information on the Confirmation page and do one of the following:

- If the information is correct, click Submit. The process is created and the Process List page opens.
- If the information is not correct, click Back to return to the previous page to make the necessary changes.

The process is saved in the Rosetta system, which performs the process as scheduled.

Updating Process Scheduling

The Rosetta system performs processes as scheduled by staff users. Staff users can update process scheduling at any time.

To update process scheduling:

1. On the List of Processes page (see [Accessing the Process List Page](#)), locate the process whose scheduling you want to change.
2. If you see a linked text to Update Schedule in the corresponding row, click it. If you do not see the link, click the More text link and the Update Schedule link will appear. Click it. The Scheduling page opens to the current interval and entries.
3. Select the new scheduling frequency, if needed, and enter new details in the corresponding form that opens. (See [Creating a New Process](#) for options.)
4. Click the Save button.

The Rosetta system will perform the process according to the new schedule.

Updating Sets in a Process

Administrators can change the sets of objects on which the Rosetta system performs tasks that are defined in the task chain.

To update sets in a process:

1. On the Process List page (see [Accessing the Process List Page](#)), locate the process whose sets you want to



change and click More. Additional options are displayed.

2. Click Update Set. The Define Set page opens.
3. Select a new set on which the Rosetta system must perform the task chain.
4. Click Next.

The Rosetta system now performs tasks defined in the task chain on the new set of objects.



Configuring Metadata

Configuring Metadata

This section contains:

- [Understanding Rosetta Metadata](#)
- [Configuring the DC Editor](#)
- [Configuring Intellectual Entity \(IE\) Types](#)
- [Configuring IE Status](#)
- [Configuring Subformats](#)
- [Configuring the OAI Server](#)

Understanding Rosetta Metadata

Each content object (such as an intellectual entity (IE), a representation, or a file) in the Rosetta system is accompanied by information — known as metadata — that describes the semantic and technical characteristics of an object. The Rosetta system uses metadata to conduct a more efficient search of content objects, as well as to provide additional information about content to content consumers.

The Rosetta system supports metadata that originates both within the Rosetta system, and in external systems, as described in the following table:

Rosetta Metadata Sources

Metadata Source	Description
Local	<ul style="list-style-type: none"> • Descriptive metadata (such as author, title, and subject) is provided by Producer Agents and staff users • Technical metadata (such as file name, MIME type, and file size) is generated automatically by the Rosetta system
External	<p>Any metadata stored in an external system, such as a collection management system (CMS) Assessors and Arrangers can import external metadata to the Rosetta system by assigning a CMS ID to a content object. (For more information, see Assigning a CMS ID to an Intellectual Entity in Part IV, Assessors, Arrangers, and Approvers, of the Rosetta Staff User's Guide.)</p>



Configuring Intellectual Entity (IE) Types

When staff users configure the Rosetta system, they select one of the IE types from the list of predefined options. Administrators define these options during advanced configuration, using the IE Type code table. (For more information about accessing the IE Type code table, see [Administration](#).)

Order	Code	Description	Default Value	Last Updated
1	Music	Music	<input checked="" type="radio"/>	27/05/2020 By Ex Lib...
2	Picture	Picture	<input type="radio"/>	27/05/2020 By Ex Lib...
3	Kadoc	Kadoc	<input type="radio"/>	27/05/2020 By Ex Lib...
4	JournalIssue	Journal Issue	<input type="radio"/>	27/05/2020 By Ex Lib...
5	Proceedings	Proceedings	<input type="radio"/>	27/05/2020 By Ex Lib...
6	ScannedBook	ScannedBook	<input type="radio"/>	27/05/2020 By Ex Lib...
7	Book	Book	<input type="radio"/>	27/05/2020 By Ex Lib...
8	Article	Article	<input type="radio"/>	27/05/2020 By Ex Lib...
9	Chapter	Chapter	<input type="radio"/>	27/05/2020 By Ex Lib...
10	null	None	<input type="radio"/>	27/05/2020 By Ex Lib...
11	WebHarvestIE	WebHarvestIE	<input type="radio"/>	27/05/2020 By Ex Lib...

IE Type Code Table

Administrators work with the IE Type code table as described in [Working with Code Tables](#).

Configuring IE Status

When staff users configure the Rosetta system, they select one of the IE statuses from the list of predefined options. Administrators define these options during advanced configuration, using the IE Status code table. (For more information about accessing the IE Status code table, see [Administration](#).)

Order	Code	Description	Default Value	Last Updated
1	null	None	<input checked="" type="radio"/>	27/05/2020 By Ex Lib...
2	SUPPRESSED	Suppressed	<input type="radio"/>	27/05/2020 By Ex Lib...
3	ACTIVE	Active	<input type="radio"/>	27/05/2020 By Ex Lib...

Create a New Code Table Row

Code: Description: Language: Default Value: Create

Cancel Save



IE Status Code Table

Administrators work with the IE Status code table as described in [Working with Code Tables](#).

Configuring Subformats

When staff users configure the Rosetta system, they select one of the file subformats from the list of predefined options. Administrators define these options during advanced configuration, using the File Subformat code table.

The screenshot shows the 'Code Tables / Details' interface for the 'File Sub Format' table. The interface includes a 'Languages' dropdown set to 'German', a 'Sub System' dropdown set to 'All', and a 'Table Name' dropdown set to 'File Entity Type'. The 'Updated by' field shows 'Ex Libris' and the 'Updated on' field shows 'Wed May 27 09:19:41 CEST 2020'. The 'Table Description' is 'File Sub Format'.

The 'Code Table Rows' section contains a table with 12 rows. Each row has a green checkmark in the 'Order' column, a double colon icon in the 'Code' column, and a radio button in the 'Default Value' column. The 'Last Updated' column shows '27/05/2020 By Ex Lib...' for all rows.

Order	Code	Description	Default Value	Last Updated
1	null	None	<input checked="" type="radio"/>	27/05/2020 By Ex Lib...
2	EAD	EAD	<input type="radio"/>	27/05/2020 By Ex Lib...
3	ALTO	ALTO	<input type="radio"/>	27/05/2020 By Ex Lib...
4	WEBARCHIVE	WARC	<input type="radio"/>	27/05/2020 By Ex Lib...
5	TIFF/IT	TIFF/IT	<input type="radio"/>	27/05/2020 By Ex Lib...
6	Streaming_HLS	Streaming - HLS	<input type="radio"/>	27/05/2020 By Ex Lib...
7	EXIF	EXIF	<input type="radio"/>	27/05/2020 By Ex Lib...
8	GEOTIFF	GEOTIFF	<input type="radio"/>	27/05/2020 By Ex Lib...
9	TIFF-FX	TIFF-FX	<input type="radio"/>	27/05/2020 By Ex Lib...
10	RFC	RFC	<input type="radio"/>	27/05/2020 By Ex Lib...
11	DNG	DNG	<input type="radio"/>	27/05/2020 By Ex Lib...
12	TIFF/EP	TIFF/EP	<input type="radio"/>	27/05/2020 By Ex Lib...

The 'Create a New Code Table Row' form at the bottom has fields for 'Code', 'Description', 'Language', and 'Default Value'. There is a 'Create' button and a 'Save' button.

File Subformat Code Table

Administrators work with the File Subformat code table as needed.

Configuring the OAI Server

oaiproviderconfig.xml contains configuration details for your OAI server, including values returned through the Identify protocol request and maximum number of objects returned per ListRecords and ListIdentifiers request.

Repository Information

Users can edit the oaiproviderconfig.xml configuration file to provide information about the repository as specified in <http://www.openarchives.org/OAI/openarchivesprotocol.html#Identify>, according to the following guidelines:



Repository Information

Field	Default	Notes
repositoryName	Rosetta	Can be replaced
baseURL		Should match your Rosetta delivery load balancer hostname and port
protocolVersion	2.0	Should not be changed
earliestDatestamp	2000-01-01T00:00:00Z	Can be edited to reflect a more recent date; format must conform to YYYY-MM-DDThh:mm:ssZ granularity
deletedRecord	persistent	Rosetta currently does not support OAI set deletion, so this should not be changed
granularity	YYYY-MM-DDThh:mm:ssZ	Should not be changed
adminEmail		Can be replaced
ListRecordLimit	1000	Can be replaced; in case of large records timeouts may occur, in which case a lower limit should be applied
ListIdentifiersLimit	2000	Can be replaced; in case of timeouts a lower limit should be applied
scheme	oai	Should not be changed
repositoryIdentifier		Should match your Rosetta delivery load balancer hostname
delimiter	:	Should not be changed
sampleIdentifier		Concatenation of {repositoryIdentifier}:IE1000, e.g. rosetta.myinstitution.org:IE1000

Metadata Formats

metadataFormat elements should reflect the list of formats as configured in the OAI Metadata format code table. The metadataPrefix element should match the row's code field value.



Utilities and Files

Utilities and Files

Administrators can create multiple utilities for processing different types of objects and performing different operations. This section contains:

- [MIME Types](#)
- [Stream Handlers \(Deprecated\)](#)
- [Transformation Profiles](#)
- [Generic Representation Creation Rules](#)
- [Thumbnail Creation Rules](#)

MIME Types

Administrators define MIME types that must be available to staff when they configure material flows. Administrators can configure MIME types by accessing the MIME Types code table as described in [Working with Code Tables](#).

Stream Handlers (Deprecated)

Stream handlers are part of the Generic Representation task that creates derivative copies. Their table maps the name of the stream handler (such as tiff_2_jpeg) to the script that calls the utility/tool for migrating files. Any parameters are also stored in the table.

Creating a Stream Handler

The Rosetta system comes supplied with a number of predefined stream handlers (such as thumbnail generation and technical metadata extraction). In addition, Administrators can create a new generic representation or thumbnail stream handler.

Administrators configure the components that define task behavior as described in the table below:

Task Components

Component	Description	Defined In...
Stream handler utility	A program that performs an operation on an object	Stream Handler mapping table
Script	Code that wraps the stream handler utility and enables launching it with specified parameters	Any external text editor



Component	Description	Defined In...
Task rule	A rule that defines the stream handler utility to be used for the specific object	One of the following: <ul style="list-style-type: none"> • Generic representation task rules • Thumbnail rules

The process of stream handler creation consists of the following stages:

1. Creating a script that runs a stream handler with specified parameters
2. Creating an entry for the new stream handler in the Stream Handlers mapping table
3. Creating a rule that the Rosetta system uses to determine the stream handler to be used for processing a specific object

To create a stream handler:

1. Create a script that wraps the stream handler utility and enables launching it with specified parameters. The following example contains the code of the script that wraps the pdftotext utility.

```
#!/bin/sh

for ARG do

T_ARG="\ "$ARG""

ARGS="$ARGS $ARG"

T_ARGS="$T_ARGS $T_ARG"

LAST_ARG="$ARG"

done

eval pdftotext $T_ARGS

exit $?
```

2. On the Administration page, click Utilities and Files > Stream Handlers. The Stream Handlers mapping table opens.



Stream Handlers

Sub System: STAGING Table Name: Stream Handler Util
 Updated by: Ex Libris (RosettaPack 6.2.0.0) Updated on: Tue Oct 24 06:00:00 CEST 2017
 Table Description: Utilities used for the conversion

	type	worker	file_ext	param_pattern	event_id	name	Description	
1	external_program	run_pdf_thumbnail	pdf	-colorspace RGB -resize 150x150	182	pdf_thumbnail		Delete
2	external_program	ip2_img_med_res	ip2	\$1 -colorspace RGB -resize 100x	188	ip2_img_med_res		Delete
3	external_program	run_img_dcmi_copy	img	-compress JPEG -quality 10 -col	189	img_img		Delete
4	external_program	run_img_driver	ip2	\$1 \$2	189	img_ip2		Delete
5	external_program	run_img_dcmi_copy	img	-colorspace RGB -resize 1000x10	188	img_img_med_res		Delete
6	external_program	run_img_driver_thumb	ip2	\$1 -colorspace RGB -resize 100x	182	ip2_thumbnail		Delete
7	external_program	run_img_thumbnail	png	-quiet -colorspace RGB -resize 10	182	png_thumbnail		Delete
8	external_program	run_img_thumbnail	img	-colorspace RGB -resize 200x200	182	img_thumbnail	generate thumbnails from image files ext:ip2	Delete
9	external_program	run_img_dcmi_copy	img	-colorspace RGB -resize 500x500	188	img_img_med_res		Delete

Create a New Mapping Row

type: worker: file_ext: param_pattern: event_id: name: Description: Create

Cancel Save

Stream Handlers Mapping Table

3. Enter information under the Create a New Mapping Row bar at the bottom of the page.
4. Click Save. The new entry is displayed in the mapping table.
5. On the Administration page, click Utilities and Files > Generic Representation Task Rules. The Generic Representation Task rules page opens.
6. Click Add Rule. The Task Rule Editor page opens.

Generic Representation Task Rules / Details

Rule Editor

* Name:

Description:

Created By: John Smith Created on: 16-06-2021 12:24:40
 Updated By: Ex Libris Last Update on: 16-06-2021 12:24:40

Input General Parameters

Parameter	Operator	Value
Task Name	Any	*
File Extension	Any	*
Droid Id	Any	*

Output Parameters:

Parameter	Result
Stream Handler Util	<input type="text"/>

Cancel Save

Task Rule Editor Page

7. Complete the fields as required. For detailed information about parameter operators and values, see [Operators Used in Rule Parameters](#).
8. Click Save. The new rule is saved to the Rosetta system.

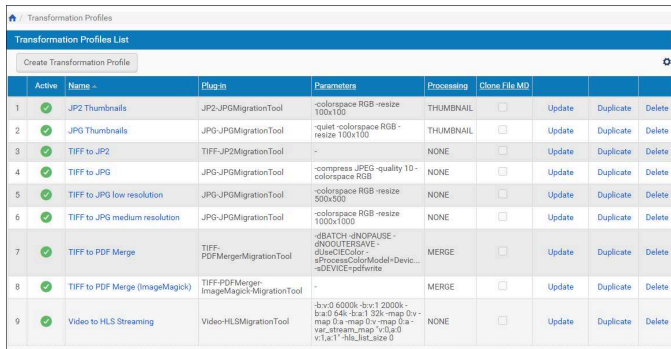
The task is saved to the Rosetta system. Administrators can now use this task in task chains.



Transformation Profiles

Transformation profiles are migration plugin-based alternatives to the Stream Handler framework. They can be used to generate derivative copies where one-to-many or many-to-one relations exist between the original file format and the derivative copy format (for example, one multi-page TIF file to several JPGs or several TIF files to one PDF). To create a Transformation Profile:

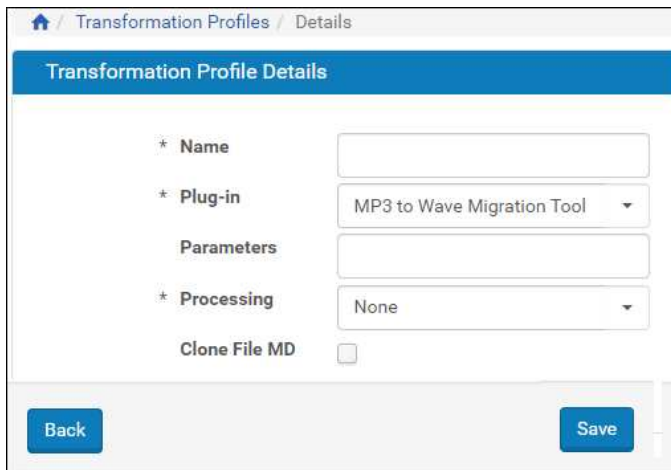
1. From the System Configuration page, open the Transformation Profiles page (Repository > Utilities and Files > Transformation Profiles):



Active	Name	Plug-in	Parameters	Processing	Clone File MD			
<input checked="" type="checkbox"/>	JPG2 Thumbnails	JPG2-JPGMigrationTool	-colorspace RGB -resize 100x100	THUMBNAIL	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	JPG Thumbnails	JPG-JPGMigrationTool	-quiet -colorspace RGB -resize 100x100	THUMBNAIL	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	TIFF to JPG	TIFF-JPGMigrationTool	-	NONE	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	TIFF to JPG	JPG-JPGMigrationTool	-compress JPEG -quality 10 -colorspace RGB	NONE	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	TIFF to JPG low resolution	JPG-JPGMigrationTool	-colorspace RGB -resize 500x500	NONE	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	TIFF to JPG medium resolution	JPG-JPGMigrationTool	-colorspace RGB -resize 1000x1000	NONE	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	TIFF to PDF Merge	TIFF-PDFMergeMigrationTool	-JBATCH -NOPAUSE -dNOPETERSAVE -dSaveColor -sProcessColorModelsh-DeviceProfileName	MERGE	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	TIFF to PDF Merge (ImageMagick)	TIFF-PDFMerge-ImageMagick-MigrationTool	-	MERGE	<input type="checkbox"/>	Update	Duplicate	Delete
<input checked="" type="checkbox"/>	Video to HLS Streaming	Video-HLSMigrationTool	-h:0:600k -b:v:1:2000k -b:a:0:64k -b:a:1:32k -map 0:v -map 1:a -map 0:v -map 0:a -vfr_stream_map 'v,0:a:0 v,1,a:1' -file_size 0	NONE	<input type="checkbox"/>	Update	Duplicate	Delete

List of Transformation Profiles

1. Click the Create Transformation Profile button. The Transformation Profile Details page opens.



Transformation Profile Details

* Name

* Plug-in

Parameters

* Processing

Clone File MD

Transformation Profile Details Page

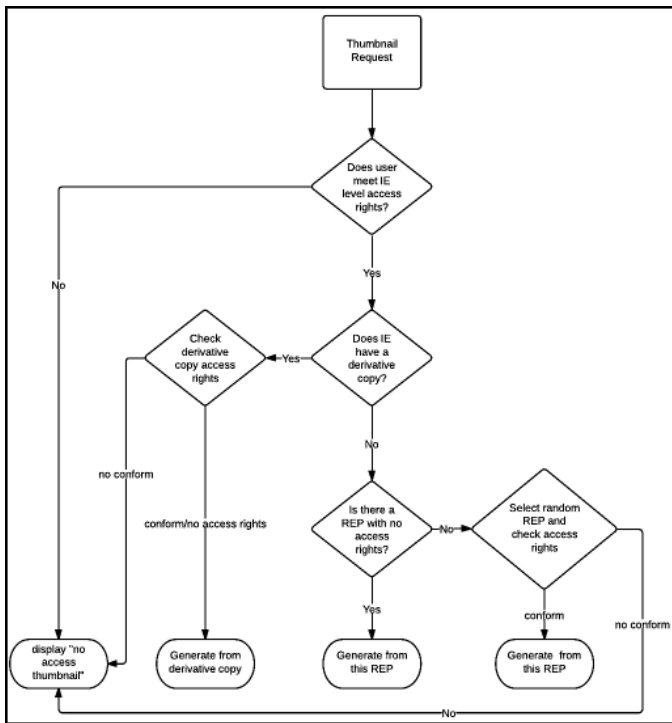
The following table describes the fields available on the Transformation Profile Details page.

Fields on the Transformation Profile Details Page

Parameter	Type	Description	Notes
Name	Text	Name of profile	
Plug-in	Combo/drop-down	A list of installed migration plug-ins	



Parameter	Type	Description	Notes
Parameters	Text	Arguments to pass to the plug-in	
Processing	Combo/drop-down	Instructions to Rosetta on how to process the files.	<ul style="list-style-type: none"> • None - Each original file will be transferred into one derivative copy file • Merge - All files in the selected Representation will be merged into one derivative copy file • Split: A multiple-file derivative copy Representation will be created from the single-file original Representation • Thumbnail: specifies this profile will be used for generating thumbnails and not derivative copies
Clone File MD	Checkbox	Copy file-level descriptive/source metadata from the original	



- The responsibility for the actual splitting/merging of the files is the plug-ins.
- If no files match the profile configuration, no representation is created.

A transformation profile can be used in the Create Copy Representation task. See the following figure for an example.



* Preservation Type (Input) Preservation Master * Representation Entity Type (Input) None

File Extension Filter

0 items selected Remove all Add all

Std	+	-
000	+	-
001	+	-
123	+	-
3dd	+	-
3dm	+	-
3dmf	+	-

Copy other extensions

Copy logical structmap

Plug-in Type

Transformation Profile JP2 Thumbnails

Stream Handler Jpg

* Preservation Type (Output) Derivative Copy * Validation Stack Validation Stack New k7Y

* Representation Code None * Access Rights Policy

* Representation Entity Type (Output) None * File Entity Type (Output) None

Task Parameters for Transformation Profile

Generic Representation Creation Rules

Generic representation creation rules are used by the system to define which stream handler to use based on the original file format/extension and the task name.

The task name is configured as part of the Create Derivative Copy task chain.

For more information about configuring the task chain, see [Managing Processes](#).

For information about creating a stream handler as part of a generic representation task, see [Stream Handlers \(Deprecated\)](#)

Thumbnail Creation Rules

Rosetta automatically creates a thumbnail for each file when it's delivered. In order to create the correct thumbnail for each file format, the system uses these rules to match between the file format and the appropriate utility that should be used to create the thumbnail.

(For information on creating format-utility matching tools, see [Stream Handlers \(Deprecated\)](#).)

Rosetta generates thumbnails from a given representation (REP) using the following algorithm:

1. Derivative copy
2. REP with no access rights
3. Any other REP

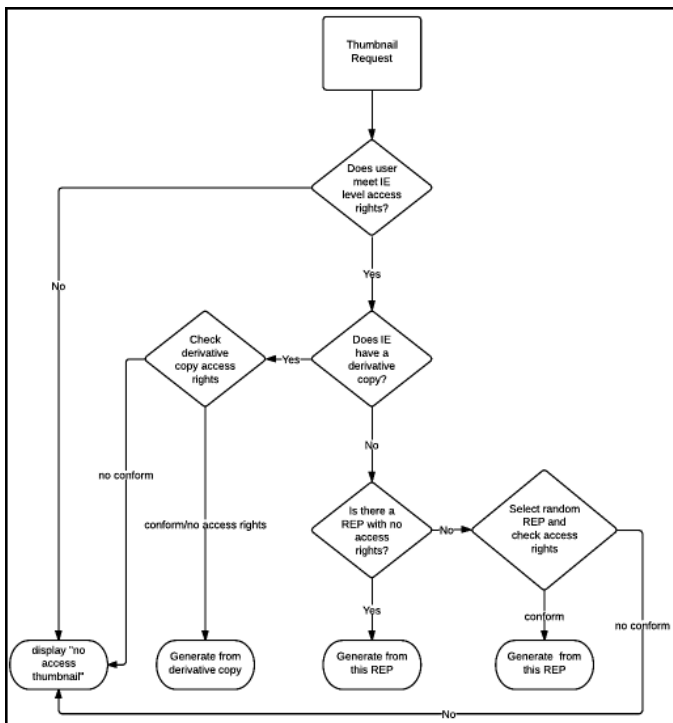
If access rights are not met for the selected REP, a "no access" thumbnail is displayed.

Administrators can disable access rights checking for thumbnails by setting the `check_thumbnail_access_rights` general parameter to false. See Rosetta System Administration Guide, General Parameters - Delivery).

If there is no thumbnail creation rule for the selected REP's files, a generic thumbnail is displayed (see [Generic Thumbnail Creation](#)).

The following flowchart demonstrates the process of thumbnail request to thumbnail generation.





Thumbnail Creation Flow

The order of an IE's thumbnails will be according to the (first) logical structmap. If no logical structmap exists, order will be determined by the physical structmap.

By default, up to five thumbnails can be generated for an IE. This can be increased by the `ie_thumbnail_limit` general parameter (see Rosetta System Administration Guide, General Parameters - Delivery). The thumbnail view in user interfaces and viewers indicates the actual number of files per IE.

The recommendation remains to create thumbnails as part of the enrichment process or ongoing maintenance task chain to improve user experience for modules that display thumbnails."



General Settings for Repositories

General Settings for Repositories

This section contains:

- [Configuring Events](#)
- [Configuring Provenance](#)
- [Configuring IP Restrictions](#)
- [Generic Thumbnail Creation](#)

Configuring Events

Administrators can determine which events the Rosetta system must use for audit and statistical purposes. Administrators work with events during advanced configuration, using the Event Configuration mapping table. (For more information about accessing the Event Configuration mapping table, see [Administration](#).)

	Audit Indicator	Statistic Indicator	Contact Person (y/n)	Alert (y/n)	Internal Name	EventType	Description
1	<input checked="" type="checkbox"/>	N	N	N	USER_AUTHENTICATED_SUCCESS	1	User authenticated/successful login
2	<input checked="" type="checkbox"/>	N	N	N	CREATE_DEPOSIT_ACTIVITY	2	Create Deposit Activity
3	<input checked="" type="checkbox"/>	N	N	N	SAVE_DEPOSIT_ACTIVITY	3	Save Deposit Activity
4	<input checked="" type="checkbox"/>	N	N	N	DELETE_DEPOSIT_ACTIVITY	4	Delete Deposit Activity
5	<input checked="" type="checkbox"/>	Y	Y	N	SUBMIT_DEPOSIT_ACTIVITY	5	Submit Deposit Activity
6	<input checked="" type="checkbox"/>	N	N	N	REQUEST_SIP_ID	6	Request SIP ID for Deposit Activity
7	<input checked="" type="checkbox"/>	Y	Y	N	GENERATE_SIP_ID	7	Generate SIP ID
8	<input checked="" type="checkbox"/>	N	N	N	UPLOAD_FILES	8	Upload of file(s)
9	<input checked="" type="checkbox"/>	N	N	N	STARTED_ACQUIRING_FILES	9	Started Acquiring Content
10	<input checked="" type="checkbox"/>	N	N	N	ACQUIRING_SIP_CONTENT_COMPLETED	10	Finished Acquiring Content

Event Configuration Mapping Table

Administrators work with the Event Configuration mapping table as described in [Working with Mapping Tables](#). For a list of Events in Rosetta, see [Appendix C: Events](#).

Configuring Provenance

Administrators can determine which events the system must store for digital preservation purposes. Administrators define this information during advanced configuration, using the Provenance Configuration mapping table. (For more information on accessing the Provenance Configuration mapping table, see [Administration](#).)



Mapping Tables / Details

Sub System: All Table Name: Event Provenance

Updated by: Ex Libris Updated on: Thu Jun 10 17:42:39 IDT 2021

Table Description: Define to each event, Provenance indicator

Mapping Table Rows

	Event Type	Provenance Indicator	Description	Last Updated
1	<input checked="" type="checkbox"/> 21	<input type="checkbox"/> Y	Created Repository Object	10/06/2021 By Ex Libris
2	<input checked="" type="checkbox"/> 24	<input type="checkbox"/> Y	Virus check performed on file	10/06/2021 By Ex Libris
3	<input checked="" type="checkbox"/> 25	<input type="checkbox"/> Y	Format Identification performed on file	10/06/2021 By Ex Libris
4	<input checked="" type="checkbox"/> 27	<input type="checkbox"/> Y	Fixity check performed on file	10/06/2021 By Ex Libris
5	<input checked="" type="checkbox"/> 30	<input type="checkbox"/> Y	Technical Analyst - Re-perform Validation Stack	10/06/2021 By Ex Libris
6	<input checked="" type="checkbox"/> 31	<input type="checkbox"/> Y	Technical Analyst - Reject File	10/06/2021 By Ex Libris
7	<input checked="" type="checkbox"/> 32	<input type="checkbox"/> Y	Technical Analyst - Decline File	10/06/2021 By Ex Libris
8	<input checked="" type="checkbox"/> 35	<input type="checkbox"/> Y	Technical Analyst - Move SIP to Next Step	10/06/2021 By Ex Libris
9	<input checked="" type="checkbox"/> 38	<input type="checkbox"/> Y	Manually Set Format Library ID on File	10/06/2021 By Ex Libris

Provenance Configuration Mapping Table

Administrators work with the Provenance Configuration mapping table as described in [Working with Mapping Tables](#).

Configuring IP Restrictions

Administrators can restrict access to certain areas in the Rosetta system to users who log in to the Rosetta system from specific IP addresses. Administrators configure these IP addresses during advanced configuration using the IP WebService Restriction mapping table. (For more information on accessing the IP WebService Restriction mapping table, see [Administration](#).)

Mapping Tables / Details

Sub System: All Table Name: Event Management

Updated by: Ex Libris (Servicepack 6.2.0.0) Updated on: Tue Sep 14 09:00:00 CEST 2010

Table Description: Define to each event indicators - Audit and/or Statistic

Mapping Table Rows

	Audit Indicator	Statistic Indicator	Contact Person (v/a)	Alert (v/a)	Internal Name	Event Type	Description
1	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	USER_AUTHENTICATED_SUCCESS	1	User authenticated/successful login
2	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	CREATE_DEPOSIT_ACTIVITY	2	Create Deposit Activity
3	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	SAVE_DEPOSIT_ACTIVITY	3	Save Deposit Activity
4	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	DELETE_DEPOSIT_ACTIVITY	4	Delete Deposit Activity
5	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N	SUBMIT_DEPOSIT_ACTIVITY	5	Submit Deposit Activity
6	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	REQUEST_SIP_ID	6	Request SIP ID for Deposit Activity
7	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/> N	GENERATE_SIP_ID	7	Generate SIP ID
8	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	UPLOAD_FILES	8	Upload of file(s)
9	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	STARTED_ACQUIRING_FILES	9	Started Acquiring Content
10	<input checked="" type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	<input type="checkbox"/> N	ACQUIRING_SIP_CONTENT_COM	10	Finished Acquiring Content

IP WebService Restriction Mapping Table

Administrators can work with the IP WebService Restriction mapping table as described in [Working with Mapping Tables](#).

Generic Thumbnail Creation

Rosetta uses an algorithm to generate thumbnails. When the system cannot generate the thumbnail using the algorithm, a default image is displayed.

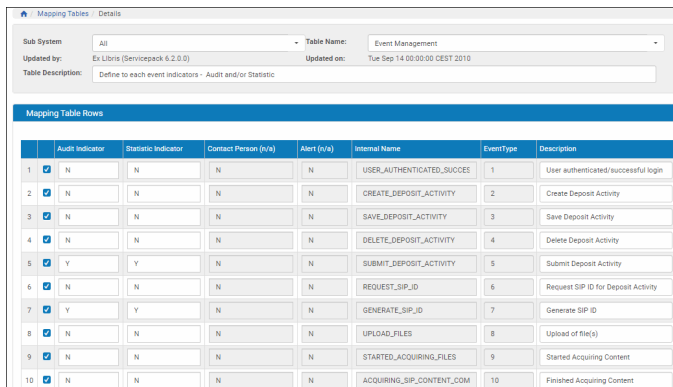
Two types of configuration exist for thumbnail creation and display:

- [Configuring the Default Thumbnail Rule List](#)
- [Selecting the Default Thumbnail Image](#)



Configuring the Default Thumbnail Rule List

To configure the list of rules for thumbnail creation, follow the path from the Advanced Configuration page to Repository > General Settings > Generic Thumbnail Creation Rules.



	Audit Indicator	Statistic Indicator	Contact Person (Y/N)	Alert (Y/N)	Internal Name	EventType	Description
1	<input checked="" type="checkbox"/>	N	N	N	USER_AUTHENTICATED_SUCCESS	1	User authenticated/successful login
2	<input checked="" type="checkbox"/>	N	N	N	CREATE_DEPOSIT_ACTIVITY	2	Create Deposit Activity
3	<input checked="" type="checkbox"/>	N	N	N	SAVE_DEPOSIT_ACTIVITY	3	Save Deposit Activity
4	<input checked="" type="checkbox"/>	N	N	N	DELETE_DEPOSIT_ACTIVITY	4	Delete Deposit Activity
5	<input checked="" type="checkbox"/>	Y	Y	N	SUBMIT_DEPOSIT_ACTIVITY	5	Submit Deposit Activity
6	<input checked="" type="checkbox"/>	N	N	N	REQUEST_SIP_ID	6	Request SIP ID for Deposit Activity
7	<input checked="" type="checkbox"/>	Y	Y	N	GENERATE_SIP_ID	7	Generate SIP ID
8	<input checked="" type="checkbox"/>	N	N	N	UPLOAD_FILES	8	Upload of file(s)
9	<input checked="" type="checkbox"/>	N	N	N	STARTED_ACQUIRING_FILES	9	Started Acquiring Content
10	<input checked="" type="checkbox"/>	N	N	N	ACQUIRING_SIP_CONTENT_COM	10	Finished Acquiring Content

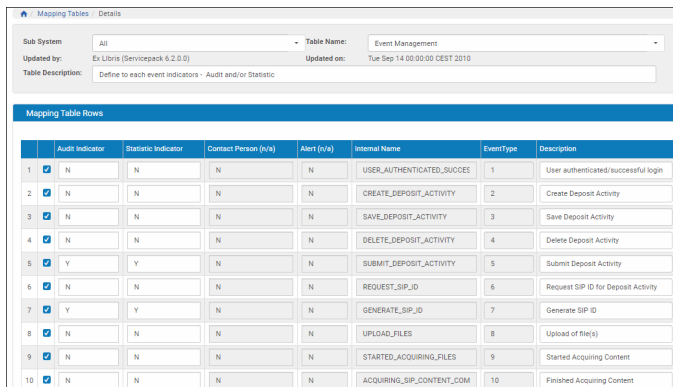
Thumbnail Creation Rules

The rules for all configured thumbnails appear in a table.

Use the up and down arrow buttons to move a rule to a different priority level. The last rule in the list should be a default rule in case no other rules apply.

Editing a Thumbnail Creation Rule

To edit a thumbnail creation rule, click the Update link corresponding to the rule you want to edit. The Rule Details page opens:



Rule Editor for Generic Thumbnail Rules

You can edit the Name and Description of the rule (top section of the page) You can also edit the output result (using the drop-down at the bottom right of the page, then clicking the Save button). You can edit the parameters by adding new ones and/or deleting existing ones.

Rules consist of a metadata parameter, referred to as a DNX, an operator such as equals to, and a value. For details about operators and values, see **Operators Used in Rule Parameters**.

A rule such as fileExtension = jpg tells the system to display the selected default thumbnail image (from the Result drop-down field) when the file has the extension .jpg and Rosetta is unable to create a specific thumbnail based on the existing thumbnail-creation algorithm.

Adding a Thumbnail Creation Rule

To add a rule:



1. From the Dnx Section column, select a DNX section from the drop-down menu and click Find Keys. The page reloads with relevant key entries in the following field.
2. From the DNX Section Key column, select a key from the drop-down menu.
3. Select an operator to compare the key with the value you will enter. For details about operators and values, see **Operators Used in Rule Parameters**.
4. Enter a value to complete the parameter.
5. Click the Add DNX button.
Rosetta adds the rule to the system. When a file matching that parameter cannot obtain a thumbnail image, Rosetta uses this rule to create a default thumbnail.

To change the image displayed when the rules apply, select a different result from the Result drop-down list and click Save.

Selecting the Default Thumbnail Image

To configure the default image displayed when no thumbnail is available, follow the path from Administration > General > Generic Thumbnails. The Generic Thumbnails page opens.

The screenshot shows the 'Generic Thumbnails' page. At the top, there is a breadcrumb 'Home / Generic Thumbnails' and a blue header 'List of Thumbnails'. Below the header is an 'Add' button. The main content area is a table with two columns: 'Thumbnail Image' and 'Thumbnail Details'. There are three rows of thumbnails:

- Row 1: Thumbnail image shows a green 'XLS' icon. Details: Code: XSL, Description: Default thumbnail for XSL files, File: [Browse], Actions: [Delete] [Duplicate].
- Row 2: Thumbnail image shows a green 'WEB ARCH' icon. Details: Code: WEB-ARCHIVE, Description: Default thumbnail for WEB-ARCHIVE file, File: [Browse], Actions: [Delete] [Duplicate].
- Row 3: Thumbnail image shows a green 'XLS' icon. Details: Code: XLS, Description: Default thumbnail for XLS files, File: [Browse].

Generic Thumbnails

To create a new default thumbnail image:

1. Scroll to the bottom of the page.
2. Under the Load a new Generic Thumbnail bar, enter a code and a description for the new thumbnail.
3. Click the Browse button and select an image from a local or network drive.
4. Click the Load button.
Rosetta loads the thumbnail image and details and displays them as an entry on the Generic Thumbnail List page.



Configuring Sequences

Configuring Sequences

You can configure sequences to create strings consecutive numbers. Sequences can be used to create persistent identifiers.

To create a sequence:

1. Open the sequences page (Repository > Utilities and Files > Sequences). The following appears:

Active	Name	Description	Owner	Creation Date	Modification Date	Update	Delete
1	CRS SEQh3M	-	CRS00	10/02/2018	10/02/2018	Update	Delete
2	INS00 SEQV0r	-	CRS00.INS00	10/02/2018	10/02/2018	Update	Delete

List of Sequences

2. Click Add Sequence. The following appears:

Sequences - Details

3. Fill in the fields of the table as described in the following table:
Configuring Sequences



Field	Description
Name	The name of the sequence.
Owner	The institution that you want to have access to the sequence. Select All to have the sequence available to every institution in the consortium.
Description	A description of the sequence.
Start	The number with which you want the sequence to start.
End	The number with which you want the sequence to end.
Prefix	The prefix of the sequence, if desired.
Fixed Length	The number of digits in the sequence. Leading zeros are added to adjust the sequence to the desired length.

4. Click Save. The sequence is added to the list of sequences.



Configuring Persistent Identifiers

Configuring Persistent Identifiers

About Persistent Identifiers

A persistent identifier (PID) is a unique identifier for a digital object such as an image or an article. PIDs enable accessing this object as long as the object exists, even if it was moved to another location. PIDs work with Rosetta and the Handle System to enable persistent identification of an object across contexts.

Persistent Identifiers and the Handle System

The concept of handles is similar to the International Standard Book Number (ISBN). ISBN enables assigning a unique identifier to an edition of a book. This identifier is used internationally to obtain information about the book (such as author, publisher, and country) in a standard manner.

Like ISBN, a PID contains a unique object name, also known as a handle. Because an international unified mechanism for assigning handles to digital objects is provided, external systems can use handles to get information about the object, including its location.

However, handles on their own do not contain any reference to the current object location. Otherwise, handles could not be used when the location is changed. Instead, information about the object's location is stored separately. A handle is associated with the corresponding location using a set of services provided by the Corporation for National Research Initiatives (CNRI) and known as the Handle System.

The Handle System consists of an open protocol, a namespace, and a reference implementation of this protocol. The protocol enables a distributed computer system to store handles of digital objects and resolve these handles into information required for locating and accessing these objects. When an object is moved, only an appropriate record in the Handle System must be modified. This approach enables keeping the object name persistent while the object's location and other related information can be modified over time.

A handle is an example of a uniform resource name (URN) that serves as a persistent, location-independent resource identifier. URNs are designed to facilitate mapping other namespaces which share the properties of URNs to the URN namespace.

Configuring Persistent Identifiers – Workflow

This section describes the workflow for adding persistent identifiers to objects in Rosetta. The following are the steps of the workflow:

1. Configure a sequence that will be used to add persistent identifiers to objects in Rosetta.
 2. Configure a task chain with the Handle PI Generator task. There are tasks for the IE, representation, and file levels.
 3. Create a set of objects to which you want to add the persistent identifiers.
 4. Configure and run a process that will run the task chain that adds persistent identifiers to the set of objects.
-



5. Publish the objects with the persistent identifiers.

Configure a Sequence

For information on configuring sequences, see [Configuring Sequences](#).

Configure a Task Chain

You must configure a task chain that will be used by a process to add PI's to a set.
To configure a task chain:

1. From the Administration area, click Repository > Task Chains > Add Task Chain. The following appears:

Repository / Task Chains / Details

Task Chain ID: Created By: Created On: 12/02/2018 17:23:37
Updated By: Updated On:

General Information

* Name:

* Description:

* Status: Active Status Date: 12/02/2018

* Task Chain Level: IE

* Groups:

- Preservation
- Maintenance
- Validation Stack - Use file level tasks only
- Workbench
- Webeditor - Staging
- Enrichment
- Move To Permanent
- Metadata Validation
- Webeditor - Permanent

Task List Task Parameters

Add Task

Order	Name	Description	Level	Next Step On Failure
-------	------	-------------	-------	----------------------

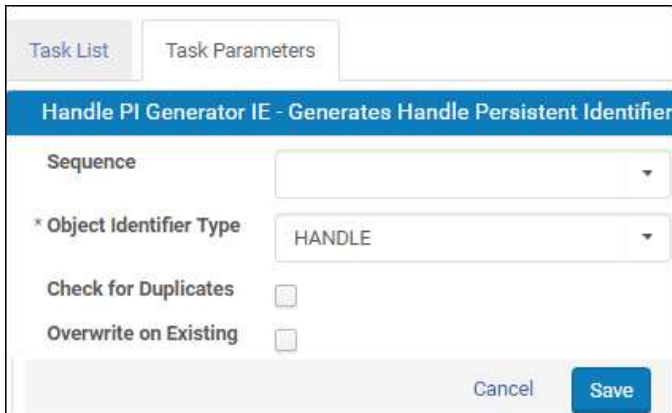
Cancel Save

Add Task Chain

2. Enter a name and description for the task chain.
3. Select a status.
4. Select a task chain level – IE, Representation, or File.
5. Select the groups to which you want the task chain to belong.



6. Click Add Task and select the Handle PI Generator IE/Rep/File task depending on the level of the task chain.
7. Click the task parameters tab. The following appears:



Task Parameters

8. You can enter information in the fields that will appear as the default when creating a process. For more information about these fields, see [Configure and Run a Process](#).
9. Click Save.

The task chain is configured and available to be added to a process.

Create a Set

You must create a set of objects to which you want to add the persistent identifiers. For information on creating a set, see the Working with Sets section of the Rosetta Staff User's Guide.

Configure and Run a Process

You must configure a process that will run the task chain that adds persistent identifiers to the set of objects that you created.

To configure a process:

1. From the List of Processes page (Data Management > Manage Sets and Processes > Processes), click Add Process. The list of task chain appears.
2. Select the task chain that you configured to add persistent identifiers to a set and click Next. The following appears:



Deposits ▾ Submissions ▾ Data Management ▾ Preservation ▾

Home / Data Management: Processes / Details 1 2 3 4 5

General Info

* Process Name

Priority

Handle PI Generator IE - Generates Handle Persistent Identifier

Sequence

* Object Identifier Type

Check for Duplicates

Overwrite on Existing

Email Notification

Send email?

* Email

Add Process - Details

3. Enter a name for the process.
4. From the Priority drop-down list, select a priority.
5. Select a sequence that you configured.
6. Select an object identifier type.
7. If you want Rosetta to skip identifiers that already exist, select Check for Duplicates. Rosetta will skip up to three consecutive duplicates. If you do not select this checkbox, Rosetta adds duplicate identifiers.
8. If you want Rosetta to overwrite existing duplicates, select Overwrite on Existing.
9. In the Send Email? drop-down list, select Yes or On failure only if you want to be notified concerning the progress of the process and enter an email address in the Email field.
10. Click Next.
11. Select a set from the list of sets, and click Next.
12. Schedule the process to run if you want, and click Next.
13. Review the details of the process, and click Submit.

The process runs.

Publish to a Handle Server

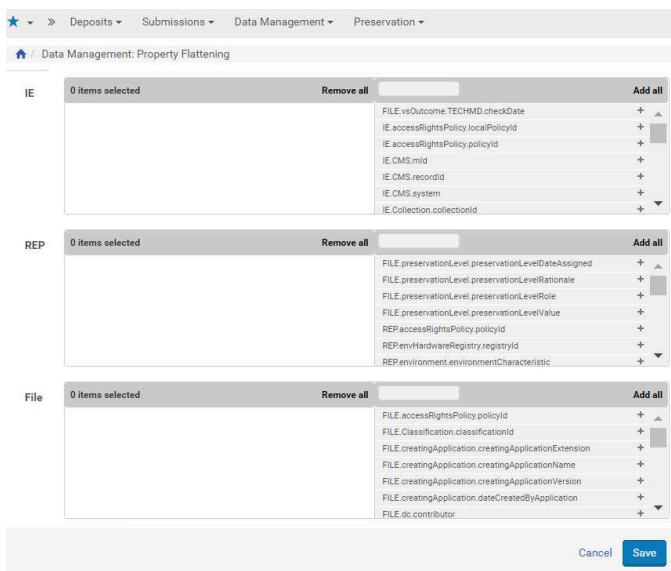
After the persistent identifiers have been added to the objects in Rosetta you can publish them, so that they can be used by a Handle server. Configure a publishing configuration for a Handle server by setting the Target Type to the HandlePublisherPlugin. For more information on publishing, refer to the Configuring Publishing section of the Rosetta Staff User's Guide.



Configuring Property Flattening

Configuring Property Flattening

You can select fields from the DNX to be flattened and put on the database so they can be accessible for reporting or other needs. You select the fields to flatten from Data Management > Advanced Tools > Property Flattening.



Property Flattening

Select the fields that you want to flatten from the right column. You can select up to 10 fields.

The flattening occurs during Commit to Permanent or when running a Populate Flattening Table task, which are available for the IE, representation, and file levels.

All extracted properties are accessible in the FLATTENED_PROPERTIES view of the RPT scheme.



Bytestream Extraction Rules

About Bytestream Extraction Rules

In order to provide bytestream support, Rosetta has set up a plug-in extraction tool for a bytestream-related task chain. The task chain is used during SIP processing for new deposits, as part of a maintenance job, or as part of an Add Representation task.

Bytestreams in Task Chains

The task chain includes a virus check, format identification, technical metadata extraction, and risk extraction. Should the extraction process fail at any stage, the entire SIP is routed to a Technical Analyst for handling. When a file contains bytestreams (for example, a multi-TIFF file), Rosetta extracts the bytestreams and runs them through the validation stack. The metadata is kept separately for each bytestream while the file itself is kept in the permanent directory as is, not extracted.

New Bytestream Extraction Rule

A new rule available from the SIP Routing Rules page defines the following:

- Input: Dynamic input – All IE, REP, and File DNX attributes will be available.
 - Output: Bytestream Extraction Tool – Extracts bytestreams out of a bytestream file. The list of bytestream extraction tools will be driven from the plug-in manager and will include all DecomposerPlugin extractors
-

Rule List

Which extraction rule to use when processing a file containing bytestreams is determined by bytestream type and rule precedence as configured by the Administrator.

To access the list of bytestream extraction rules:

Follow this path from the Rosetta Administration page:

- System Configuration > Deposit > Rules for Bytestream MD Extraction
The Rule List page for bytestream extractions opens.



	Name	Description	Creation Date	Modification Date			
1	arc		02/11/2011 13:51:26	02/11/2011 13:57:40	Update	Duplicate	Delete
2	Extraction Rule		14/09/2010 14:30:16	02/11/2011 13:51:23	Update	Duplicate	Delete

Rule List Page for Bytestream Extractions

The list can be filtered by All, Active, and Inactive rules. The page also includes a search field that allows the user to narrow the display of bytestream extraction rules. Drop-down attributes following the Find [term] in equation (such as the attributes/fields Name and Description) can be used to focus a list containing many entries.

The Bytestream Extractions Rule List page allows for additional actions described in the table below.

Bytestream Rule List - Available Actions

Action	Description
--------	-------------

Add Rule	Launches the Bytestream Extraction Rule Editor in Add mode. Allows the user to add a new rule. See Adding a Bytestream Extraction Rule .
----------	--

Enable/Disable check mark	A clear check mark indicates that the rule in that row is inactive. A filled-in check mark indicates that the rule in that row is active. When a rule is deactivated, the system ignores the rule when processing incoming SIPs. Clicking the check mark will toggle the value from activated to deactivated and vice versa.
---------------------------	--

Order	If more than one rule is active, the order of the rules (top to bottom, lowest number to highest), determines the order in which the rules are processed. Users can drag and drop rules to change their order.
-------	--

Rule Name / Update	Launches the Bytestream Extraction Rule Editor in Update mode (the values and operators of this rule's parameters are loaded into the editor). See Edit/Update .
--------------------	--

Duplicate	Adds a new entry to the Rules List that is identical to the rule in this row. The system refreshes the Rules List. See Duplicate .
-----------	--

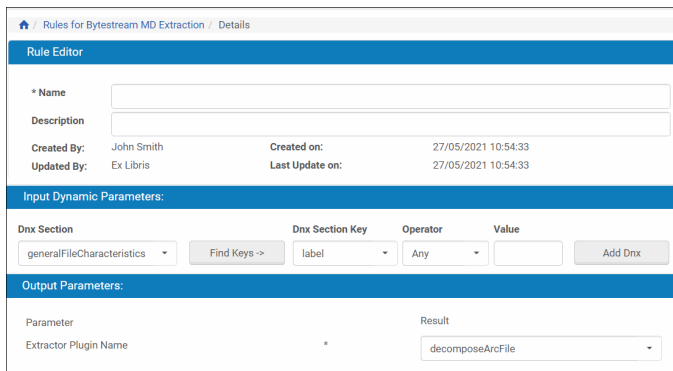
Delete	Deletes the rule in this row. See Delete .
--------	--

Adding a Bytestream Extraction Rule

Users can add a bytestream extraction rule from the Rule List page for bytestream extractions. To add a new extraction rule:

1. From the Rule List page for bytestream extractions, click the Add Rule button. The Bytestream Extraction Rule Editor opens in Add mode.





Rule Editor - Adding a Bytestream Rule

The page is divided into three sections: rule details, Input Dynamic Parameters, and Output Parameters. The input parameters are dynamic and user-defined based on drop-down and text fields. The output parameters are fixed; users cannot add or delete them, though they can select a plug-in from the drop-down list.

2. Enter a name and description for the rule in the top pane of the Rule Editor.
3. To add an input parameter from the DNX elements, enter values in the Input Dynamic Parameters section by creating an equation from left to right, as follows:
 - a. Select an item from the Dnx Section drop-down menu.
 - b. Click the Find Keys button to display keys belonging to the section selected.
 - c. Select an item from the DNX Section Key drop-down menu.
 - d. Select an operator from the Operator drop-down list. For a complete explanation of operators, see [Operators Used in Rule Parameters](#).
 - e. Enter the value you want to search for in the DNX parameter.
 - f. Click the Add Dnx button.

The page is refreshed with the input parameter you defined displaying between the section headings and the fields.

4. To select an extractor plug-in for an output parameter, select a plug-in name from the drop-down field next to the Extractor Plugin Name.

Users cannot select output parameters but may be able to select the plug-ins associated with those parameters.

5. Click the Save button. (To discard the rule, click the Cancel button.)
The new rule displays in the list of rules for bytestream extractions. By default, the new rule appears at the bottom of the list and is enabled.

Additional Bytestream Rule Actions

In addition to adding a new rule, the following actions can be performed from the Rule List page:



Edit/Update

Edit any rule listed on the Rule List page by clicking the name of the rule or the Update text link in the row of the rule. The Bytestream Extraction Rule Editor opens with information for the rule selected. Make changes to the Name, Description, or input parameters for the rule. Add or delete any parameters. For a complete explanation of operators, see [Operators Used in Rule Parameters](#). If available, users can also change the selection for the output plugin.

Duplicate

Use the duplication feature to create a back-up of an existing rule or to create a new rule with many of the same values and attributes as an existing rule.

To create a copy of a rule, click the Duplicate text link in the row of the rule you want to copy. The system does the following:

- Adds an identical rule to the database
- Names the duplicated rule Copy of *[original rule name]*
- Refreshes the Rule List page with the newly duplicated and named rule

Edit/update the new rule as needed.

Delete

To delete a rule from the Rule List page (and from the Rosetta system), click the Delete text link in the rule's row. Confirm the action when the confirmation box opens. The Rule List page refreshes without the deleted rule.



User Management

- [Understanding Rosetta System Users](#)
- [Registration Process and Rules](#)
- [Managing Users](#)
- [Configuring User Parameters](#)
- [Working with User Roles](#)
- [Configuring Automatic E-mails to Users](#)
- [Defining User Mandatory Fields](#)
- [User Authentication with SAML](#)



Understanding Rosetta System Users

Understanding Rosetta System Users

Various types of users interact with the Rosetta system. Some of these users (such as Producer Agents) provide content, while other users (such as staff users) configure the way this content is processed by the Rosetta system. For general information about Rosetta system users, see Rosetta Users in the Rosetta Overview Guide.

In Rosetta, the role of User Manager adds, maintains, and deletes users and their roles. Included in creating and defining roles is the determination of actions available to different users. Managers classify users by working with the following components:

- [User Profiles](#)
- [User Type](#)

User Profiles

The actions that a user can perform in the Rosetta system are defined by the user profile. User profiles define the following parameters:

- User role (see [User Roles](#))
- User role parameters (see [User Role Parameters](#))
- User role permissions (see [User Role Permissions](#))
- User scope (see [User Scope](#))
- User type (see [User Type](#))

To allow a user to work with the Rosetta system, the User Manager must associate the user with a user role profile. Otherwise, a user cannot perform any actions within the system.

User Roles

User roles define the actions that a user can perform within the Rosetta system framework. The following roles are supported:

Rosetta User Roles

Role	Description
Producer Agent	Deposits the content provided by Producers. (For more information, see Producers and Producer Agents in the Rosetta Producer's Guide.)
Deposit	Configures generic Producer profiles and material flows. (For more information, see Part II, Deposit



Role	Description
Manager	Managers in the Rosetta Staff User's Guide.)
Negotiator	Personalizes generic Producer profiles and material flows for the needs of specific Producers. (For more information, see Part III, Negotiators in the Rosetta Staff User's Guide.)
Assessor, Arranger, Approver	Reviews the content that Producer Agents deposit. (For more information, see Part IV, Assessors, Arrangers, and Approvers in the Rosetta Staff User's Guide.)
Technical Analyst	Resolves technical issues that occur with the content that Producer Agents deposit. (For more information, see Part V, Technical Analysts in the Rosetta Staff User's Guide.)
Editor	Edits metadata of the content deposited by Producer Agents, and adds new representations.
Data Manager	Schedules and monitors processes, manages sets, publishes configurations, and runs activities that affect multiple IEs.
Preservation Analyst	Performs all tasks associated with risk analysis and loss prevention, including populating Preservation libraries, performing risk analyses on existing library collections, and creating, testing, and running plans and plan alternates.
Preservation Manager	Performs all tasks associated with risk analysis and loss prevention, including all the responsibilities of a Preservation Analyst plus signing off on and rejecting preservation plans.
User Manager	Creates and manages user accounts. (For more information, see Managing Users.)
ExLibris Support	Reserved for use by the Ex Libris support team.
Back Office Administrator	Configures the Rosetta system and working environment

Multiple roles can be assigned to a single user. For example, a User Manager can associate a user with the roles of Deposit Manager and Producer Agent, which enable the Deposit Manager to not only configure the Rosetta system, but to deposit content as well. Alternatively, each role can be associated with a separate user.

The list of user roles and their responsibilities are predefined and cannot be changed by User Managers. (For example, the Rosetta system does not enable adding a new role.) However, User Managers can enable or disable particular actions within a role for a specific user.

User Role Parameters

User role parameters determine which particular predefined role actions are available to a specific user. For example, a User Manager can use role parameters to assign a certain Producer group (such as Published and Un-Published) to a Technical Analyst. An Assessor might be assigned a parameter for which kind of metadata to edit - descriptive, source, or access rights.

User Role Permissions

User role permissions determine the degree to which a user can make changes to data in the system. The three levels



of permissions are:

- View - can view objects but not edit or delete any kind of data.
- Typical - can edit but not delete data in the system.
- Full - can edit and also delete data in the system.

User Scope

User roles are also associated with scope in terms of their level within a consortium.

- Consortium - Users with this scope can view and operate on objects that belong to all of the institutions in the consortium collectively. The following roles can have this scope: SystemAdministrators, Editors, Data Managers, Preservation Analysts, and Preservation Managers.
- Institution - Users with this scope can work only on items (IEs, configuration items) within their own institution. All roles can be assigned an institutional scope.
- Department - Users with this scope can operate only on IEs that belong to their department. This scope is only relevant for Editors.

User Type

The Rosetta system enables User Managers to group users into types, as described in the following table.

The Rosetta System User Types

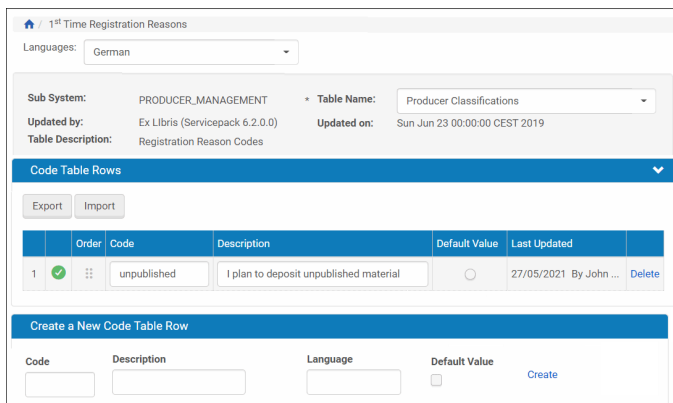
User Type	Includes...
Public	Producer Agents Individual Producers are considered Producer Agents who deposit content on their own behalf.
Staff	<ul style="list-style-type: none">• Deposit Managers• Negotiators• Assessors, Arrangers, Approvers• Technical Analysts• Editors• Administrators
Organization	Group Producers Organization users cannot log in to the Rosetta system and work with the system directly. Producer Agents who are associated with Group Producers can deposit content on these Producers' behalf.
Contact	Individual users who serve as contacts for Group Producers. A contact user can either be one of the Producer Agents, or a dedicated user. Contact users cannot log in to the Rosetta system and work with the system directly unless they are associated with the Producer Agent role.



Registration Process and Rules

Registration Process and Rules

When Producer Agents register in the Rosetta system, they must specify the type of material they plan to deposit by selecting one of the predefined options. Administrators can define these options using the 1st Time Registration Reasons code table (Administration > Deposit).



1st Time Registration Reasons

Languages: German

Sub System: PRODUCER_MANAGEMENT Table Name: Producer Classifications

Updated by: Ex Libris (Servicepack 6.2.0.0) Updated on: Sun Jun 23 00:00:00 CEST 2019

Table Description: Registration Reason Codes

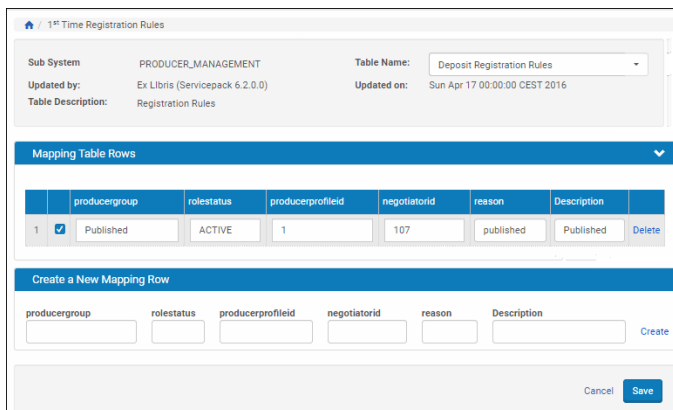
Order	Code	Description	Default Value	Last Updated
1	unpublished	I plan to deposit unpublished material	<input type="radio"/>	27/05/2021 By John ...

Create a New Code Table Row

Code: Description: Language: Default Value: Create

1st Time Registration Reasons Code Table

When a new Producer is registered in the Rosetta system, the system automatically assigns a Producer profile, Producer group, and a status to the new user. Administrators can configure this assignment using the 1st Time Registration Rules mapping table (Administration > Deposit).



1st Time Registration Rules

Sub System: PRODUCER_MANAGEMENT Table Name: Deposit Registration Rules

Updated by: Ex Libris (Servicepack 6.2.0.0) Updated on: Sun Apr 17 00:00:00 CEST 2016

Table Description: Registration Rules

producergroup	roletatus	producerprofileid	negotiatorid	reason	Description
1	Published	ACTIVE	1	107	published

Create a New Mapping Row

producergroup: roletatus: producerprofileid: negotiatorid: reason: Description: Create

Cancel Save

1st Time Registration Rules Mapping Table

Administrators can work with the 1st Time Registration Rules mapping table as described in [Working with Mapping Tables](#).



Managing Users

Managing Users

Administrators require the User Manager role to manage users in Rosetta.

The Rosetta system enables Administrators to manage different types of users, which includes adding new users, searching users, and deleting users. Administrators can manage users from the User List page.

To access the User List page, follow the path from the Advanced Configuration page to Users > User Management. The following actions can be performed on this page:

- [Adding a User](#)
 - [Cloning a User](#)
 - [Updating a User](#)
 - [Deleting a User](#)
 - [Releasing the Work of a User](#)
 - [Sharing Users](#)
-

Adding a User

Administrators can add a new user to the Rosetta system. The process of adding a new user consists of the following steps:

1. Providing user information, such as a user name, password, and status
2. Assigning a role
3. Providing information about the role, which includes defining role parameters

To add a user:

1. On the User List page (see [Managing Users](#)), click Add User.
The User Details page opens.



ID	-	Creation Date	07/12/2017	Created by	John Smith
Record Type	Staff	Update Date	07/12/2017	Updated by	John Smith

User Information

* User Name Language

* First Name * Last Name

* Job Title Middle Name

* Email Expiry Date

Status Shared

* Telephone 1 Telephone 2

User Group 0 items selected Add Remove all Add all

affiliate	+
alum	+
employee	+
student	+
library-walk-in	+
member	+
staff	+

Website URI

* Street

Suburb

City

Country Postal Code

Additional Identifiers

* Authentication Profile * Value

[Add](#)

User Authentication

Type

External - Refers to a user type whereby user information is managed in third-party IAM system or directory server, and that data is used by the Rosetta.

Internal with External Authentication - The same as internal with the exception that the authentication is managed externally.

Internal - Refers to a user type whereby the user information is managed wholly within the Rosetta.

* Password * Verify Password

[Back](#)

[Save](#)

User Details Page

2. In the User Information page, provide the information as requested. For the User Group section, select the user groups to which you want to assign the user. To add a new user group, enter the name of the user group and click Add.
3. In the Additional identifiers pane, in the Authentication Profile field, enter the name of the SAML server and in the Value field, enter the identifier. Click Add to add the additional identifier. Rosetta can perform SAML authentication using any of the identifiers you configure.
4. In the User Authentication pane, indicate if the user is managed externally, internally with external authentication, or internally.

All fields with an asterisk (*) are mandatory.

5. Click Save. The Add New Roles page opens.



🏠 / Data Management: Manage Users / Details

	Description
<input type="checkbox"/>	Approver - Full
<input type="checkbox"/>	Approver - Typical
<input type="checkbox"/>	Approver - View
<input type="checkbox"/>	Arranger - Full
<input type="checkbox"/>	Arranger - Typical
<input type="checkbox"/>	Arranger - View
<input type="checkbox"/>	Assessor - Full
<input type="checkbox"/>	Assessor - Typical
<input type="checkbox"/>	Assessor - View
<input type="checkbox"/>	Data Manager - Full
<input type="checkbox"/>	Data Manager - Typical
<input type="checkbox"/>	Deposit Manager - Full
<input type="checkbox"/>	Deposit Manager - Typical
<input type="checkbox"/>	Editor - Full
<input type="checkbox"/>	Editor - Typical
<input type="checkbox"/>	Editor - View
<input type="checkbox"/>	Exlibris - Support
<input type="checkbox"/>	Negotiator - Full
<input type="checkbox"/>	Negotiator - Typical
<input type="checkbox"/>	Negotiator - View
<input type="checkbox"/>	Preservation Analyst
<input type="checkbox"/>	Preservation Manager
<input type="checkbox"/>	TA - Full
<input type="checkbox"/>	User manager - Full
<input type="checkbox"/>	User manager - Typical
<input type="checkbox"/>	User manager - View

Add New Roles Page

6. Select the roles that you want assign to the user. For detailed information, see [Working with User Roles](#).
7. Click Add Roles. The User Role Details page opens.



Home / Data Management: Manage Users / Details

User ID	51962	Created on	07/12/2017	Created by	Ex Libris
User Name	John Doe	Updated on	07/12/2017	Updated by	Ex Libris
Role Name	Approver - Full				

Role Information

Scope: Demo Institution

Status: Status Date:

Expiry Date:

Notes:

Role Parameters

* Approval Group

- Un-published Approver
- JIC Internal Approver
- Published Approver

* Metadata Type

- DC
- Source Copyrights
- Source Rights
- Source Other
- Source Marc
- Access Rights
- Source EAD
- Source Dc
- Source Mods
- DNX
- Struct Map

User Role Details Page

8. Provide the information as requested.

The list of parameters displayed in the User Role Parameters pane varies depending on the user role.

9. Click Save. The new user is saved in the Rosetta system.

The user now can log on and work with the Rosetta system, according to the defined user role.

Cloning a User

To create a new user with the same roles as an existing one, you can clone the existing one. Cloning creates the same user with the following characteristics and limitations:

- Limited to Staff users
- In the Management (institution) UI, cloning is limited to roles scoped to the current institution



- In the Administration (consortium) UI, roles across all institutions are duplicated

User roles cannot be edited until the new user's information is saved. After adding user information, click Save to save a user with the same roles, or click Apply to save the user information and edit the user roles.

Updating a User

Administrators can update both the general user information and the user roles of an existing user.

To update a user:

1. On the User List page (see [Managing Users](#)), locate the user you want to update and click Update. The User Details page opens.

[Data Management: Manage Users](#) / Details

ID 100 Creation Date 14/09/2010 Created by -
 Record Type Staff Update Date 13/03/2018 Updated by John Smith

User Information

* User Name admin1 Language English

* First Name John * Last Name Smith

* Job Title developer Middle Name

* Email zvi.fass@exlibrisgroup.com Expiry Date dd/MM/yyyy

Status Active Shared

* Telephone 1 212-555-9874 Telephone 2

User Group

1 items selected Add Remove all Add all

staff

- faculty
- student
- library-walk-in
- member
- affiliate
- employee
- alum

Website URL

* Street 1 BILLS DR

Suburb ORCHARD PARK

City

Country United States Postal Code 14127-2237

Additional Identifiers

* Authentication Profile dfgdf * Value Add

User Authentication

Type External - Refers to a user type whereby user information is managed in third-party IAM system or directory server, and used by Rosetta.
 Internal with External Authentication - The same as internal with the exception that the authentication is managed externally.
 Internal - Refers to a user type whereby the user information is managed wholly within the Rosetta.

* Password * Verify Password

User Roles

Add

	Role	Details	Scope	Status	Date
1	Administration		Preservation Consortium	14/09/2010 14:30:16	
2	Administration		Preservation Consortium	14/03/2011 11:42:36	
3	Approver - Full	Published,Unpublished,Internal	Demo Institution	14/09/2010 14:30:16	Update Delete
4	Approver - Full	Restricted,Unpublished,Internal,Published	INS23	21/11/2017 09:35:29	
5	Approver - Full	TP Materials	Temasek Polytechnic - Training	17/04/2014 08:59:45	

User Details Page

2. Modify the fields that you want to update.
3. Click Save.

The updated user information is saved in the Rosetta system.



Deleting a User

To remove a user from the system and prevent all further access by that user, Administrators can delete an existing user.

To delete a user:

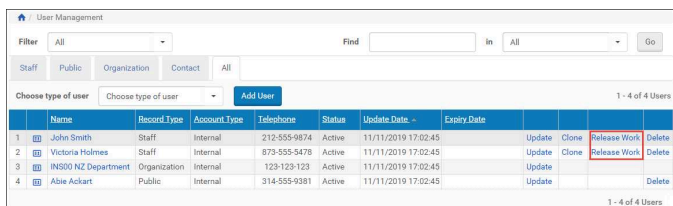
1. On the User List page (see [Managing Users](#)), locate the user you want to delete and click Delete. The confirmation page opens.
2. Click OK.

The user is deleted from the Rosetta system.

Releasing the Work of a User

You can unassign all SIPs and RIPs of a user and unlock any locked IEs. This can be useful if a user is unexpectedly unavailable for a considerable length of time, but you do not want to delete the user.

To release the work of a user, select the Release Work row action for the user:

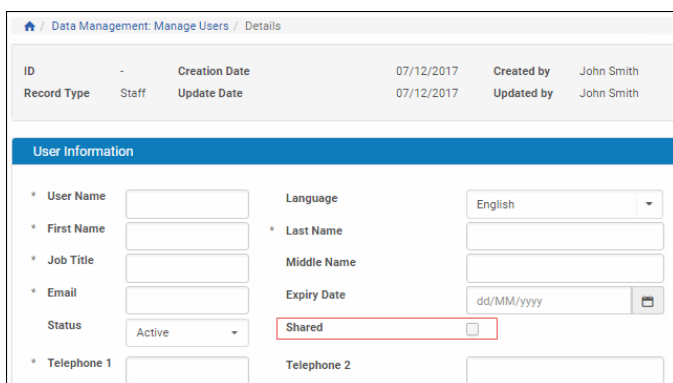


	Name	Record Type	Account Type	Telephone	Status	Update Date	Expiry Date	Update	Clone	Release Work	Delete
1	John Smith	Staff	Internal	212-555-9674	Active	11/11/2019 17:02:45		Update	Clone	Release Work	Delete
2	Victoria Holmes	Staff	Internal	878-555-5478	Active	11/11/2019 17:02:45		Update	Clone	Release Work	Delete
3	INS00 NZ Department	Organization	Internal	129-129-123	Active	11/11/2019 17:02:45		Update			
4	Abie Ackart	Public	Internal	314-555-9381	Active	11/11/2019 17:02:45		Update			Delete

Release Work

Sharing Users

You can choose to share your users with other institutions, allowing them to access these users with their management interface according to roles assigned by the user manager of the respective institution. To share users, select the Shared checkbox when configuring the user.



ID - Creation Date 07/12/2017 Created by John Smith
Record Type Staff Update Date 07/12/2017 Updated by John Smith

User Information

* User Name Language English

* First Name * Last Name

* Job Title Middle Name

* Email Expiry Date dd/MM/yyyy

Status Active **Shared**

* Telephone 1 Telephone 2

Sharing Users

- Only Administration User Managers and the institution that created the user can set the Shared checkbox.
- If the user has been assigned roles in another institution, the Shared checkbox cannot be cleared until those roles are removed.
- If a Contact user is connected with a Group Producer created in another institution, the Shared checkbox cannot



be cleared until the connection is removed.



Configuring User Parameters

Configuring User Parameters

Administrators configure code tables that define the following user parameters:

- Producer groups
- Material types
- Producer classification
- Local fields for describing a Producer, if necessary
- Approver groups

Administrators can access these code tables from the Code Tables List page. For more information, see [Working with Code Tables](#).



Working with User Roles

Working with User Roles

The Rosetta system enables Administrators to manage user roles that are assigned to individual users, which includes performing the following actions:

- [Assigning a User Role to a User](#)
- [Updating a User Role](#)
- [Activating and Deactivating a User Role](#)
- [Deleting a User Role](#)
- [Configuring Automatic E-mails to Users](#)

For detailed information about the roles and their privileges, see the Excel workbook in the Customer Knowledge Center: Rosetta Roles and Privileges.xls.

Assigning a User Role to a User

A user role, such as Assessor or Technical Analyst, defines the user's functions and privileges. Administrators can assign multiple user roles to a user.

To assign a user role to a user:

1. On the User List page (see [Managing Users](#)), locate the user to whom you want to assign a role and click Update. The User Details page opens.
2. In the User Roles pane, click Add Role. The Add New Roles page opens.



🏠 / Data Management: Manage Users / Details

	Description
<input type="checkbox"/>	Approver - Full
<input type="checkbox"/>	Approver - Typical
<input type="checkbox"/>	Approver - View
<input type="checkbox"/>	Arranger - Full
<input type="checkbox"/>	Arranger - Typical
<input type="checkbox"/>	Arranger - View
<input type="checkbox"/>	Assessor - Full
<input type="checkbox"/>	Assessor - Typical
<input type="checkbox"/>	Assessor - View
<input type="checkbox"/>	Data Manager - Full
<input type="checkbox"/>	Data Manager - Typical
<input type="checkbox"/>	Deposit Manager - Full
<input type="checkbox"/>	Deposit Manager - Typical
<input type="checkbox"/>	Editor - Full
<input type="checkbox"/>	Editor - Typical
<input type="checkbox"/>	Editor - View
<input type="checkbox"/>	Exlibris - Support
<input type="checkbox"/>	Negotiator - Full
<input type="checkbox"/>	Negotiator - Typical
<input type="checkbox"/>	Negotiator - View
<input type="checkbox"/>	Preservation Analyst
<input type="checkbox"/>	Preservation Manager
<input type="checkbox"/>	TA - Full
<input type="checkbox"/>	User manager - Full
<input type="checkbox"/>	User manager - Typical
<input type="checkbox"/>	User manager - View

Add New Roles Page

3. Select the roles that you want to assign to the user.
4. Click Add Roles. The User Role Parameters page opens.



Home / Data Management: Manage Users / Details

User ID	51962	Created on	07/12/2017	Created by	Ex Libris
User Name	John Doe	Updated on	07/12/2017	Updated by	Ex Libris
Role Name	Approver - Full				

Role Information

Scope: Demo Institution

Status: Status Date: _____

Expiry Date:

Notes:

Role Parameters

* Approval Group

- Un-published Approver
- JIC Internal Approver
- Published Approver

* Metadata Type

- DC
- Source Copyrights
- Source Rights
- Source Other
- Source Marc
- Access Rights
- Source EAD
- Source Dc
- Source Mods
- DNX
- Struct Map

Cancel

User Role Parameters Page

5. In the User Role Information pane, complete the fields as described in the following table:

User Role Page Fields

Field	Description
Scope	The consortium, institution, or department to which the user belongs and to which the user's actions apply. The user role is relevant only to this scope.
Status	<p>The status of the user. The following options are available:</p> <ul style="list-style-type: none"> • New - A new Producer Agent who has recently registered in the Rosetta system, but is not yet approved by a Negotiator • Active - A user account that is enabled and can be used



Field Description

- Inactive - A user account that is disabled and cannot be used

Expiry Date The date on which the user role must expire, if applicable.

Note Comments that an Administrator can write about the user role.

6. In the User Role Parameters pane, select all the parameters that apply to the user.
7. Click Save. The User Details page opens. The user role is assigned to the user.
8. Repeat steps 1–7 to add additional roles, if necessary.
9. Click Save.

The user can now work with the Rosetta system as defined by the user roles.

Updating a User Role

Administrators can update an existing user role.
To update a user role:

1. On the User List page (see [Managing Users](#)), locate the user to whom you want to assign a role, and click Update. The User Details page opens.

The screenshot displays the 'User Management / Details' page for user 'admin1'. The top section shows metadata: ID 100, Record Type Staff, Creation Date 14/09/2010, Update Date 23/02/2021, Created by -, and Updated by John Smith. The 'User Information' section includes fields for User Name (admin1), Language (English), First Name (John), Last Name (Smith), Job Title (developer), Middle Name, Email (Daniel.Greenberg@exlibrisgroup.com), Expiry Date (01/10/2027), Status (Active), Shared (checked), Telephone 1 (212-555-9874), and Telephone 2. The 'User Group' section shows a list of roles with 'staff' selected. Below this are fields for Website URL, Street (1 BILLS DR), Suburb (ORCHARD PARK), City, Country (United States), and Postal Code (14127-2237). The bottom of the page is labeled 'Additional Identifiers'.

User Details Page

2. In the User Roles pane, locate the user role you want to update and click Update. The User Role Parameters page



opens.

The screenshot shows a web interface for managing users. At the top, there is a breadcrumb trail: "Data Management: Manage Users / Details". Below this, a table displays user details:

User ID	51962	Created on	07/12/2017	Created by	Ex Libris
User Name	John Doe	Updated on	07/12/2017	Updated by	Ex Libris
Role Name	Approver - Full				

Below the table, there are two main sections:

- Role Information:** This section contains a "Scope" field with the value "Demo Institution". The "Status" is set to "Active" in a dropdown menu, with a "Status Date" field next to it. The "Expiry Date" is set to "dd/MM/yyyy" with a calendar icon. There is also a "Notes" text area.
- Role Parameters:** This section contains two groups of checkboxes:
 - * Approval Group:** Includes "Un-published Approver", "JIC Internal Approver", and "Published Approver".
 - * Metadata Type:** Includes "DC", "Source Copyrights", "Source Rights", "Source Other", "Source Marc", "Access Rights", "Source EAD", "Source Dc", "Source Mods", "DNX", and "Struct Map".

At the bottom right of the form, there are "Cancel" and "Save" buttons.

User Role Parameters Page

3. Modify the fields that you want to update.
4. Click Save. The User Details page is re-displayed.
5. Repeat steps 1 - 4 for additional user roles, if necessary.

The user can now work with the Rosetta system as defined in the updated user role.

Activating and Deactivating a User Role

Administrators can deactivate a user role when they need to finish configuring the user role parameters, or if they want to temporarily disable the role without deleting it. Administrators can activate an inactive user role at any time. When a user role is deactivated, the user no longer has this role privilege in the Rosetta system. For example, deactivating a Negotiator role means that the user can no longer perform Negotiator functions. Conversely, activating a user role grants the user this role privilege in the Rosetta system.



On the User Details page, the status of the user role is indicated by the check mark in the Active column:

- Yellow = active.
- Grey = inactive.

To activate or deactivate a user role:

1. On the User List page (see [Managing Users](#)), locate the user with which you want to work and click Update. The User Details page opens.
2. In the User Roles pane, locate the user role you want to activate or deactivate.
3. In the Active column, click the check mark. The check mark in the Active column indicates the new status. The user role status is changed from active to inactive, or from inactive to active.
4. Click Save.

The user can now work with the Rosetta system as defined by the active user roles assigned to this user.

Deleting a User Role

Administrators can delete an existing user role. After a user role is deleted, the user no longer has this role privilege in the Rosetta system. For example, deleting a Negotiator role means that the user can no longer perform Negotiator functions.

To delete a user role:

1. On the User Details page (see [Managing Users](#)), in the User Roles pane, locate the user role you want to delete and click Delete. The confirmation page opens.
2. Click OK. The User Details page is re-displayed.
3. Click Save.

The user can no longer perform the actions that were defined in the deleted user role.



Configuring Automatic E-mails to Users

Configuring Automatic E-mails to Users

System Administrators can configure e-mail notifications to be sent to Producers or Producer Agents when two types of changes occur:

- [E-mail Notifications for Change in User Status](#) and
- [E-mail Notifications for Deposit Activity](#).

E-mail Notifications for Change in User Status

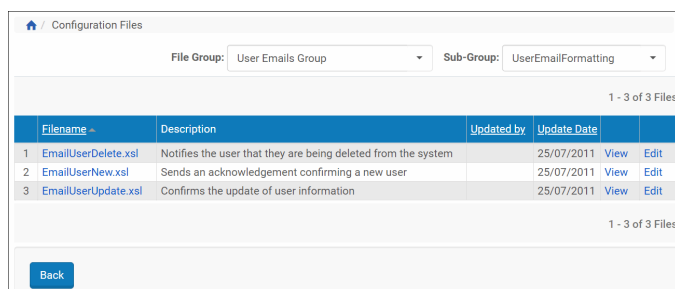
This is the e-mail that Rosetta system users receive when changes in a user's status occur (for example, changing a user role or assigning a Producer Agent to a Producer).

Currently, notifications are only sent when a Producer Agent is created or a user role is changed.

System Administrators define the text and style of these notifications by configuring XSL files.

To configure e-mail notifications:

1. On the Administration page, click General > Configuration Files. The Configuration Files page opens.
2. In the File Group drop-down list, select User Email Group. The list of configuration files is filtered, and the XSL files that define notifications text and look-and-feel are displayed



Filename	Description	Updated by	Update Date	
1 EmailUserDelete.xsl	Notifies the user that they are being deleted from the system		25/07/2011	View Edit
2 EmailUserNew.xsl	Sends an acknowledgement confirming a new user		25/07/2011	View Edit
3 EmailUserUpdate.xsl	Confirms the update of user information		25/07/2011	View Edit

E-Mail Notification Configuration Files

3. Locate the notification you want to configure and click Edit.
The Edit Configuration File opens. The XSL for the file displays in an editable pane.



Defining User Mandatory Fields

Defining User Mandatory Fields

A System Administrator can designate mandatory fields for user records. These designations are relevant for all users stored in Rosetta, regardless of their authentication by the PDS. Both external users (authenticated in the LDAP, for example) and internal users (authenticated by Rosetta) are required to enter values in the designated mandatory fields. Administrators define mandatory fields during advanced configuration using code tables, as described in the following table.

User Mandatory Field Code Tables

User Category	Code Table
Producers	Organization Users
Producer Agents and Staff Users	Users

Administrators can access each of these code tables from the Users page.

Administrators work with the user mandatory fields code tables as described in [Working with Code Tables](#).



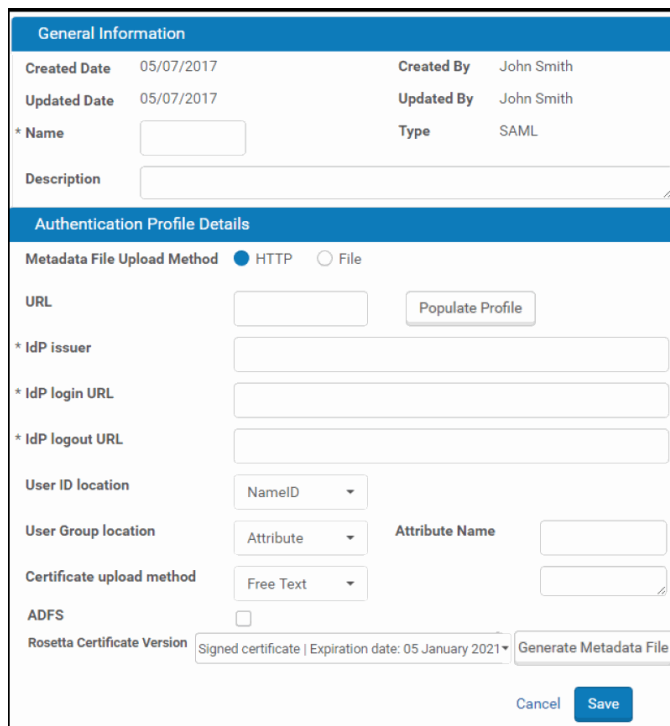
User Authentication with SAML

User Authentication with SAML

SAML enables Rosetta to exchange authentication and authorization information, allowing a user to sign in or out of an external system and be automatically signed in or out of Rosetta, or vice versa. Rosetta supports the SAML 2.0 Web Browser SSO profile.

For a more information concerning SAML-based SSO for Rosetta, see <http://developers.exlibrisgroup.com/rosetta/integrations/saml>

To configure the SAML authentication profile:



The screenshot shows a web form for configuring a SAML authentication profile. It is divided into two main sections: 'General Information' and 'Authentication Profile Details'.
General Information: Includes fields for 'Created Date' (05/07/2017), 'Updated Date' (05/07/2017), 'Created By' (John Smith), 'Updated By' (John Smith), '* Name' (text input), 'Description' (text area), and 'Type' (SAML).
Authentication Profile Details: Includes 'Metadata File Upload Method' (radio buttons for HTTP and File, with HTTP selected), 'URL' (text input with a 'Populate Profile' button), '* IdP issuer' (text input), '* IdP login URL' (text input), '* IdP logout URL' (text input), 'User ID location' (dropdown menu with 'NameID' selected), 'User Group location' (dropdown menu with 'Attribute' selected and an 'Attribute Name' text input), 'Certificate upload method' (dropdown menu with 'Free Text' selected and a text area), 'ADFS' (checkbox), and 'Rosetta Certificate Version' (dropdown menu with 'Signed certificate | Expiration date: 05 January 2021' selected and a 'Generate Metadata File' button). At the bottom right are 'Cancel' and 'Save' buttons.

Authentication Profile Details

1. From the Rosetta Administration module, click Users > Authentication Profiles > Add Authentication Profile. The following page is displayed:
2. Enter a name and description for the profile.
3. You can populate the profile information from metadata. To use a metadata link, select HTTP and provide the location of the link in the URL field. To use a metadata upload, select File and select the file. For more information about this file, see <https://developers.exlibrisgroup.com/rosetta/integrations/saml>.
4. Click Populate Profile to populate the profile information.



5. If you do not populate the profile from metadata, enter the settings for the IdP issuer, IdP Login URL, IDP Logout URL, and User ID Location.
6. For User Group Location, select Attribute and for Attribute Name, enter the name of the attribute in the SAML XML file that contains the user group list.
7. In Certificate upload method, select the type of certificate to upload. Alma accepts certificate file uploads and free-text certificate entry. If you select Free Text, enter the text of the certificate. If you select File, select the file.
8. Select ADFS if the IdP enables Active Directory Federation Services.
9. Select the Rosetta certificate version that you want to use, and click Generate Metadata File to generate the Rosetta metadata file that you are required to provide to the IdP.
10. Click Save.



Plug-in Management

- [Plug-In Management Overview](#)
- [Archive Decomposer](#)
- [Technical MD Extractor](#)
- [Format Validation](#)
- [Risk Extractor](#)
- [Migration Tool](#)
- [Repository Task](#)
- [Field Validator](#)
- [Persistent Identifier Generator Plugin](#)
- [Converter \(Publishing\)](#)
- [Publisher \(Publishing\)](#)
- [Start-up Check](#)
- [Access Rights](#)
- [Custom Fixity](#)
- [Format Identifier](#)
- [Virus Check](#)
- [Viewer Pre-Processor](#)
- [Storage](#)
- [File Comparison](#)
- [Full-Text Extraction](#)



Plug-In Management Overview

Plug-In Management Overview

As part of the Rosetta open platform approach, and to allow customers to apply their own logic and tools to Rosetta, a mechanism for installing and using plug-ins has been implemented in Rosetta. This mechanism is available through the Administrative interface.

This chapter will cover the supported plug-in types from functional and implementation perspectives. It will not cover technical aspects of the plug-in framework. For technical information, see the Plug-in Guide documentation in the Developer's Network

(<http://developers.exlibrisgroup.com/rosetta/integrations/plugins>).



Archive Decomposer

Archive Decomposer

The Decomposer represents the plug-in family of all classes/programs of varied packed/compressed files that handle a decomposition.

The decompression of containers is invoked from two areas of the system:

1. Web Deposit – according to the material flow definition, the container (e.g. zip file) is decomposed into the inner files using the plug-in. In this case, the container is disregarded and only the inner files are ingested into Rosetta as they were in the original streams.
 2. Validation Stack – according to decomposition rules, a container (e.g. multi-page TIFFs) is decomposed into bitStreams (retained only in the operational DB). These inner files, the bitStreams, also pass through the ValidationStack (that is, identification, tech-md-extraction, risk-extraction) and participate in the risk report.
-

Plug-in Parameters

The Archive Decomposer requires two parameters:

- Full file name (including full path) – full name of the container input file
 - Directory name - where the inner files will be extracted to
-

Usage

Once installed, the Archive Decomposer can be used as the decomposing tool in the following decomposition rules setup.

Decompose at the Time of Loading

Rosetta can decompose a compound file while loading it onto the deposit server so that only the inner files are loaded while the original compound file is not. The tool used for decomposing the compound file is one of the installed Archive Decomposer plug-ins, which is accessible in the Automatic Decomposition Rules rule editor (Administration > Deposit > Automatic Decomposition Rules).



Home / Automatic Decomposition Rules / Details

Rule Editor

* Name: Decomposition Rule

Description:

Created By: System Created on: 14/09/2010 14:30:16

Updated By: Last Update on:

Input General Parameters

Parameter	Operator	Value
File Extension *	=	zip

Output Parameters:

Parameter	Result
Extractor Plugin Name *	Unzip with encoding

Decomposition Rule

ByteStream Extraction

Another use of the Archive Decomposer plug-in is the ByteStream extraction. This mechanism allows Rosetta to extract and store technical MD (needed for preservation) of each of the inner files. The tool to be used for decomposing the compound file is one of the installed Archive Decomposer plug-ins which will be accessible in the Rules for Bytestream MD Extraction rule editor.

Home / Rules for Bytestream MD Extraction / Details

Rule Editor

* Name:

Description:

Created By: John Smith Created on: 27/05/2021 10:54:33

Updated By: Ex Libris Last Update on: 27/05/2021 10:54:33

Input Dynamic Parameters:

Dnx Section	Dnx Section Key	Operator	Value
generalFileCharacteristics	label	Any	

Find Keys -> Add Dnx

Output Parameters:

Parameter	Result
Extractor Plugin Name *	decomposeArcFile

Bytestream Metadata Extraction Rule - Details

Implementations

Rosetta includes three implementations of the Archive Decomposer plug-in:

- decomposerArcFile – A script plug-in to decompose ARC files
- Unzip – A script plug-in to decompose ZIP files
- Unzip With Encoding – A script plug-in to decompose ZIP files that require special encoding for the inner files



Plug-in Management

Bundled Custom

Filter: Decomposer Plugins Find: In: All Go

Add Plug-in Instance View 100 Records 1 - 3 of 3 Plug-in

Active	Plug-In Type Name	Plug-In Name	Description	Contact Person	Plug-In Version	View	Edit	Delete
1	DecomposerPlugin	decomposeArcFile	decomposeArcFile	National Library Ne...	2.0	View	Edit	Delete
2	DecomposerPlugin	ZipExtractor	unzip	Exlibris Ltd	2.0	View	Edit	Delete
3	DecomposerPlugin	UnzipWithEncoding	Unzip with encoding	Exlibris Ltd	3.0	View	Edit	Delete

1 - 3 of 3 Plug-in

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Decomposer Plug-in Management



Technical MD Extractor

Technical MD Extractor

The Technical MD Extractor plug-in represents the family of utilities that extracts the technical properties (such as size, encoding, compression) of a file. Each extractor is responsible for handling a specific file format. However, the sharing of generic extractors is possible.

The extractor plug-in exposes all the properties it can extract, and Rosetta uses this information to extract property values of a given file. The system saves the property values to the DNX and updates the significantProperties section, which holds standard technical properties (such as from exif and XDP). It updates also the fileTechnicalMetadataExtraction section, which holds information on the metadata extraction run itself (for example, agent and plug-in names, errors that occurred during the run, etc.)

- The extractor must be associated with a format in the format library in order to run.
- The plug-in is executed by the **TechMD extraction** and **Add Representation TechMD extraction** tasks when the task parameter **Technical MD extraction only** is disabled (cleared).

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

Usage

The association of an MD extractor to a format is done at the format level (format library). For an MD extractor to be available at the format level, it should be assigned to the same Classification Group that the format is assigned to.

Active	Plug-In Type Name	Plug-In Name	Description	Contact Person	Plug-In Version	View	Edit	Delete
1	MDExtractorPlugin	AIFF-hul-1.10	AIFFHULMDExtractorPlugin	Exlibris Ltd	3.0	View	Edit	Delete
2	MDExtractorPlugin	AIFF-hul-1.17	AIFFHULMDExtractorPlugin	Exlibris Ltd	5.0	View	Edit	Delete
3	MDExtractorPlugin	AIFF-hul	AIFFHULMDExtractorPlugin	Exlibris Ltd	2.2	View	Edit	Delete
4	MDExtractorPlugin	nz.govt.natlib.adapter.arc.ArcAdapter	ArcExtractorPlugin	National Library Ne...	4.0	View	Edit	Delete
5	MDExtractorPlugin	ASCI-hul	ASCIHULMDExtractorPlugin	Exlibris Ltd	2.2	View	Edit	Delete
6	MDExtractorPlugin	ASCI-hul-1.17	ASCIHULMDExtractorPlugin	Exlibris Ltd	5.0	View	Edit	Delete
7	MDExtractorPlugin	ASCI-hul-1.10	ASCIHULMDExtractorPlugin	Exlibris Ltd	3.0	View	Edit	Delete
8	MDExtractorPlugin	nz.govt.natlib.adapter.bmp.BmpMapAdap...	BmpMapExtractorPlugin	Exlibris Ltd	3.0	View	Edit	Delete
9	MDExtractorPlugin	BYTESTREAM-hul	BYTESTREAM-HULMDExtractor	Exlibris Ltd	2.2	View	Edit	Delete
10	MDExtractorPlugin	BYTESTREAM-hul-1.17	BYTESTREAM-HULMDExtractor	Exlibris Ltd	5.0	View	Edit	Delete
11	MDExtractorPlugin	BYTESTREAM-hul-1.10	BYTESTREAM-HULMDExtractor	Exlibris Ltd	3.0	View	Edit	Delete

MD Extractor Plug-In Management

After the MD extractor is assigned to a classification, it is listed in the Related MD extractors folder of that classification group.



Preservation: Classification Groups / Details

Name	Audio (AES)	Created on	06-10-2009	Updated on	03-12-2009
Description	For all uncompr...	Created by	PMcKinney	Updated by	Ex Libris

General Details | Related MD Extractors | Related Format Validators | Related Properties | Related Formats | History

MD Extraction Tool	Description
1 AIFF-hul	AIFFHULMDExtractorPlugin
2 AIFF-hul-1.10	AIFFHULMDExtractorPlugin
3 WAVE-hul	WaveHULMDExtractorPlugin
4 WAVE-hul-1.10	WaveHULMDExtractorPlugin
5 nz.govt.natlib.adapter.wav.WaveAdapter	WaveExtractorPlugin

Switch to Local Cancel

Metadata Extractor Tools

The same list of MD extractors is also available in the MD extractor drop-down at the format level for all formats belonging to the same classification.

Preservation: Formats / Details

Name	fmt/14	Created on	12-03-2009	Updated on	12-03-2009
Description	Portable Docume...	Created by	Ex Libris	Updated by	Ex Libris
Classification	PDF				

General Details | Related Applications | Risk Identifiers | Sustainability Factors | Notes | History

* Name: fmt/14

* Description: Portable Document Format

Version: 1

Other Names: PDF(1.0)

File Extensions: pdf

Mime Type: application/pdf

Registry Type: PRONOM

* Registry ID: fmt/14

Registry Second: 613

Classification: PDF

MD Extractor: PDF-hul-1.24 (not listed)

Format Validator: PDF-hul (PDFHULMDExtractorPlugin)

Obsolete: PDF-hul-1.10 (PDFHULMDExtractorPlugin)

End Support Date: nz.govt.natlib.adapter.pdf.PDFAdapter (PDFExtractorPlugin)

Developer: nz.govt.natlib.adapter.pdfbox.PDFBoxAdapter (PDFBoxExtractorPlugin)

Supported By: PDF-hul-1.24 (not listed)

Metadata Extractor Drop-down Menu

Implementations

Rosetta includes the following implementations of the Technical MD Extractor plugin:

- JHOVE
 - BYTESTREAM-hul
 - ASCII-hul
 - AIFF-hul



- HTML-hul
- JPEG2000-hul
- PDF-hul
- JPEG-hul
- GIF-hul
- TIFF-hul
- UTF8-hul
- WAVE-hul
- XML-hul
- NLNZ extraction tool
 - nz.govt.natlib.adapter.flac.FlacAdapter
 - nz.govt.natlib.adapter.bmp.BitmapAdapter
 - nz.govt.natlib.adapter.mp3.MP3Adapter
 - nz.govt.natlib.adapter.arc.ArcAdapter
 - nz.govt.natlib.adapter.wav.WaveAdapter
 - nz.govt.natlib.adapter.pdf.PDFAdapter
 - nz.govt.natlib.adapter.jpg.JpgAdapter
 - nz.govt.natlib.adapter.openoffice.OpenOfficeAdapter
 - nz.govt.natlib.adapter.pdfbox.PDFBoxAdapter
 - nz.govt.natlib.adapter.any.DefaultAdapter
 - nz.govt.natlib.adapter.works.DocAdapter
 - nz.govt.natlib.adapter.excel.ExcelAdapter
 - nz.govt.natlib.adapter.gif.GIFAdapter
 - nz.govt.natlib.adapter.html.HTMLAdapter
 - nz.govt.natlib.adapter.powerpoint.PowerPointAdapter
 - nz.govt.natlib.adapter.tiff.TIFFAdapter
 - nz.govt.natlib.adapter.word.WordAdapter
 - nz.govt.natlib.adapter.wordperfect.WPAdapter
 - nz.govt.natlib.adapter.xml.XMLAdapter3
 - nz.govt.natlib.adapter.xml.XMLAdapter



Format Validation

Format Validation

Format Validator represents the family of utilities that validates formats of a file. The system saves the validation results to the DNX and updates the fileValidation section, which holds both general information on the plug-in run and the results of the format validation.

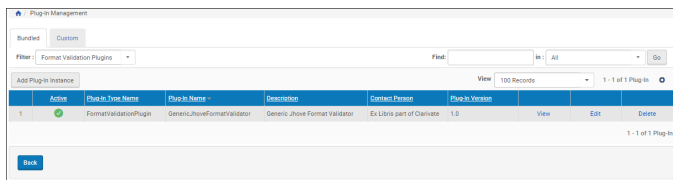
- The validator must be associated with a format in the format library in order to run.
- The plug-in is executed by the TechMD extraction and Add Representation TechMD extraction tasks when the task parameter Technical MD extraction only is disabled (cleared).

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

Usage

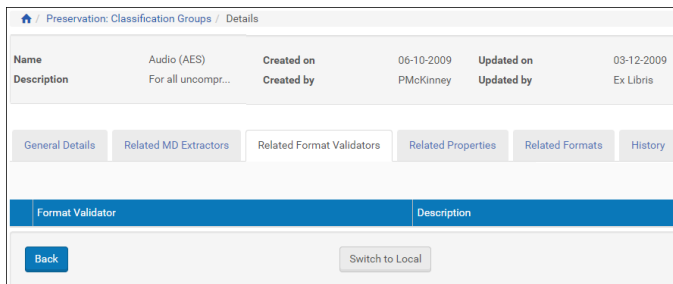
The association of a format validator to a format is done at the format level (format library). For a format validator to be available at the format level, it should be assigned to the same Classification Group that the format is assigned to



Active	Plug-In Type Name	Plug-In Name	Description	Contact Person	Plug-In Version	View	Edit	Delete
<input checked="" type="checkbox"/>	FormatValidatorPlugIn	GenericJhoveFormatValidator	Generic Jhove Format Validator	Ex Libris part of Clarivate	1.0			

Format Validator Plug-In Management

After the format validator is assigned to a classification, it is listed in the Related Format Validators folder of that classification group.



Name	Audio (AES)	Created on	06-10-2009	Updated on	03-12-2009
Description	For all uncompr...	Created by	PMcKinney	Updated by	Ex Libris

[General Details](#)
[Related MD Extractors](#)
[Related Format Validators](#)
[Related Properties](#)
[Related Formats](#)
[History](#)

Format Validator	Description

[Back](#)
[Switch to Local](#)



Format Validator Tools

The same list of format validators is also available in the Format Validators drop-down list at the format level for all formats belonging to the same classification.

Preservation: Formats / Details

Name	fmt/14	Created on	12-03-2009	Updated on	12-03-2009
Description	Portable Docume...	Created by	Ex Libris	Updated by	Ex Libris
Classification	PDF				

General Details | Related Applications | Risk Identifiers | Sustainability Factors | Notes | History

* Name: fmt/14

* Description:

Version:

Other Names:

File Extensions:

Mime Type:

Registry Type:

* Registry ID:

Registry Second ID:

Classification:

MD Extractor:

Format Validator:

Obsolete: Yes No

End Support Date:

Developer:

Supported By:

Format Validator Drop-down Menu

Implementations

Rosetta includes the following implementations of the Format Validator plug-in using JHOVE:

- BYTESTREAM-hul
- ASCII-hul
- AIFF-hul
- HTML-hul
- JPEG2000-hul
- PDF-hul
- JPEG-hul
- GIF-hul
- TIFF-hul
- UTF8-hul
- WAVE-hul
- XML-hul



Risk Extractor

Risk Extractor

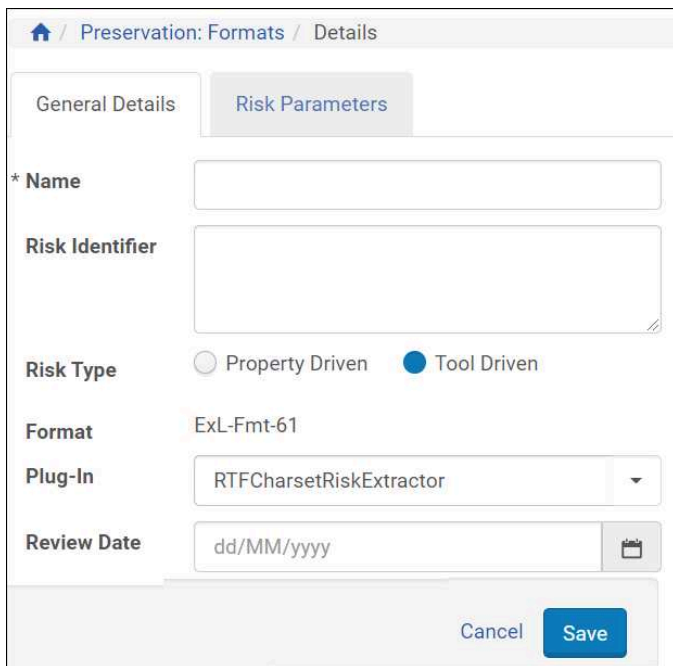
The Risk analysis is one of the tasks running as part of the VS (Validation Stack) for every file uploaded to Rosetta. The Risk analysis task uses the Risk Extractor plug-in for that purpose. The association of a certain risk to a certain Risk Extractor is done in the global format library.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated on the Risk Identifier Parameters page in the Global format library.

Usage

A list of the implemented Risk Extractor plug-ins is available on the Risk General Details page of the Global format library.



Preservation: Formats / Details

General Details Risk Parameters

* Name

Risk Identifier

Risk Type Property Driven Tool Driven

Format ExL-Fmt-61

Plug-In RTFCharsetRiskExtractor

Review Date dd/MM/yyyy

Cancel Save

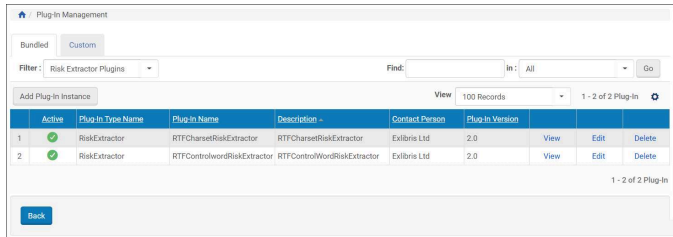
Risk Extractor Details



Implementations

Rosetta includes two implementations of the Risk Extractor plug-in:

- RTFCharsetRiskExtractor – A JAVA plug-in being able to identify a rotten bit in a RTF file's header
- RTFControlwordRiskExtractor – An additional JAVA plug-in being able to identify the same rotten bit in a RTF file's header



The screenshot shows the 'Plug-in Management' interface. At the top, there are tabs for 'Bundled' and 'Custom', with 'Custom' selected. Below the tabs is a search bar with 'Filter: Risk Extractor Plugins' and a 'Go' button. The main area displays a table with two rows of plug-in information. Both rows have a green checkmark in the 'Active' column. The first row is for 'RTFCharsetRiskExtractor' and the second is for 'RTFControlwordRiskExtractor'. Both are provided by 'Exlibris Ltd' and are version 2.0. The interface also includes a 'Back' button at the bottom left and a '1 - 2 of 2 Plug-in' indicator at the bottom right.

Active	Plug-in Tree Name	Plug-in Name	Description	Contact Person	Plug-in Version			
1	RiskExtractor	RTFCharsetRiskExtractor	RTFCharsetRiskExtractor	Exlibris Ltd	2.0	View	Edit	Delete
2	RiskExtractor	RTFControlwordRiskExtractor	RTFControlwordRiskExtractor	Exlibris Ltd	2.0	View	Edit	Delete

Risk Extractor Plug-in Management



Migration Tool

Migration Tool

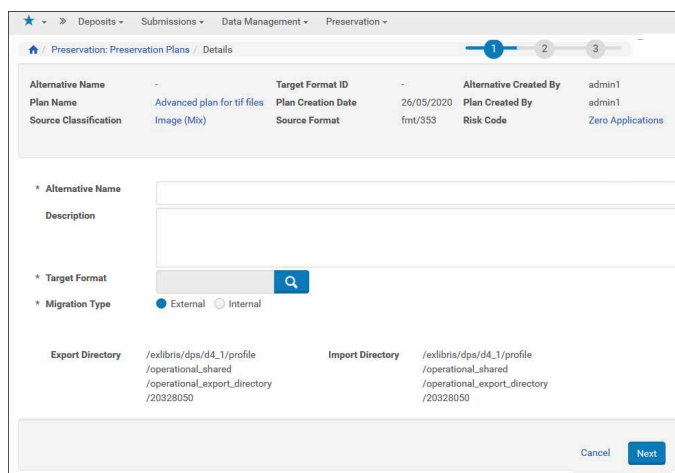
The Migration Tool represents the plug-in family of all classes or programs that handle a transformation or correction of a stream. The transformation can output a new file from the same format or from one format to another one (e.g., TIFF to J2K).

Plug-in parameters

Depending on the specific implementation, some of the plug-ins may require parameters and some not. If the plug-in does require parameters, those will be populated on step 2 of the Add Alternative wizard (preservation plan).

Usage

A list of the implemented Migration Tool plug-ins are available on step 1 of the Add Alternative wizard (preservation plan).



Add Alternative Wizard - Step 1

Implementations

Rosetta includes four implementations of the Media Converter plug-in:

- MP3toWaveMigrationTool – A script plug-in to convert MP3 files to WAV
 - RtfMigrationTool - A script plug-in to correct the rotten bit in RTF files
 - tiff_2_jp2_lzw_compression - A script plug-in to convert TIFF files to JP2 (JPEG2000)
-



- `tiff_2_tiff_lzw_compression` - A script plug-in to convert TIFF files to TIFF



Repository Task

Repository Task

The Repository Task plug-in is used to edit a DC or a DNX element for objects in the permanent repository. Whenever a massive update of such elements is required, an implementation of the Repository Task plug-in is automatically converted by the system to a Rosetta task. The task is called by the process automation framework to schedule a process that performs the required update across all relevant IEs.

To delete a repository task, disassociate it from any task chains and delete its plug-in from the plug-in interface.

Plug-in Parameters

Plug-in parameters are set while installing a new instance of the plug-in. The specific parameters available are determined on what is available in the plug-in. The following parameters are available for all plug-ins:

- Task Name
 - Task Description
-

Usage

A list of the implemented Repository Task plug-ins will be available as tasks in the Task Chain edit page.

Implementations

Rosetta includes a single implementation of the Repository Task plug-in:

- DCReplacePlugin – A JAVA plug-in to update DC tags



Field Validator

Field Validator

The Field Validator plug-in is used to validate descriptive metadata according to the metadata profile setup. It uses regular expression syntax to define the pattern to be validated.

Plug-in Parameters

Plug-in parameters are set while installing a new instance of the plug-in and include the following:

- Regular Expression – Mandatory free text parameter to type the regular expression pattern to be validated

Plugin Information			
Plug-In Id	19256981	Plug-In Name	ChecksumDigitValidatorPlugin
Plug-In Type Name	FieldValidatorPlugin	Implementation Type	JAVA
Implementation Name	com.exlibris.dps.repository.pl...	Interface	-
Owner	CRS00	Material Type	DIGITAL
Family Type	TASK	Description	RegexpFieldValidator
Resource Type	-	Module	-
Status	ACTIVE	Plug-In Version	3.0
Public API	-		

Contact Information			
Contact Type	admin	Email address	shaib@exlibris.co.il
Last Name	Ltd	First Name	Exlibris
Address 1	Agodat Asport2 Building 9	City	Jerusalem
Telephone 1	(050)746-1234		

Plugin Parameters	
* Regular Expression	+

Cancel Save

Field Validator Plug-in Details

Usage

A list of the implemented Field Validator plug-ins will be available as validation routines in the Metadata Form and Metadata Profile – DC Element Editor pages.



Metadata Form Details Page

Implementations

Rosetta includes the following implementations of the Field Validator plug-in:

- EmailValidator – Regular expression to validate email template
- ISBNValidator – Regular expression to validate ISBN template
- ISMNValidator – Regular expression to validate ISMN template
- ISSNValidator – Regular expression to validate ISSN template
- NumericValidator – Regular expression to validate numeric values
- PhoneValidator – Regular expression to validate phone template
- Regular_Expression_Validator_Plugin – A generic regular expression plug-in
- URLValidator – Regular expression to validate URL template
- W3CDTFValidator – Regular expression to validate W3CDTF (W3C Date and Time Format) template

Active	Plug-In Type Name	Plug-In Name	Description	Contact Person	Plug-In Version			
<input checked="" type="checkbox"/>	FieldValidatorPlugin	ChecksumDigitValidatorPlugin	RegexpFieldValidator	Exlibris Ltd	3.0	View	Edit	Delete
<input checked="" type="checkbox"/>	FieldValidatorPlugin	Regular_Expression_Validator_Plugin	RegexpFieldValidator	Exlibris Ltd	2.0	View	Edit	Delete

Field Validator Plug-in List

The Field Validator plug-in can be used to validate descriptive metadata according to the relevant metadata profile setup. It uses regular expression syntax to define the pattern to be validated.

There is currently one out-of-the-box implementation, RegexpFieldValidatorPlugin, for the Field Validator plug-in.

RegexpFieldValidatorPlugin receives regEx as a parameter and uses it to validate a field during runtime.

This implementation enables customers to create different plug-in instances using custom regular expressions, without having to write plug-in implementations themselves.



Persistent Identifier Generator Plugin

Persistent Identifier Generator Plugin

The PI Generator Plugin allows you to use a customized tool for generating persistent identifiers to be used with a Handle server.

Plug-in Parameters

The parameters for the PI Generator Plugin are set while installing a new instance of the plug-in and include the following:

- Task Level – IE, Representation, or File
 - Sequence – a series of numbers. (See [Configuring Sequences](#)).
 - Object Identifier Type – the type of object identifier for the PI
 - Check for Duplicates – select if you want Rosetta to skip identifiers that already exist
 - Overwrite on Existing – select if you want Rosetta to overwrite existing duplicates
-

Usage

PI Generator plugins create unique identifiers for a digital objects such as an image or an article. PIDs enable accessing this object as long as the object exists, even if it was moved to another location. PIDs work with Rosetta to enable persistent identification of an object across contexts.

Implementation

Rosetta includes the following implementations of the Persistent Identifier plug-in:

- Handle Generator – Used for creating handle persistent identifiers
 - URN Generator – Used for setting the prefix for a URN ID created in Rosetta
-



Converter (Publishing)

Converter (Publishing)

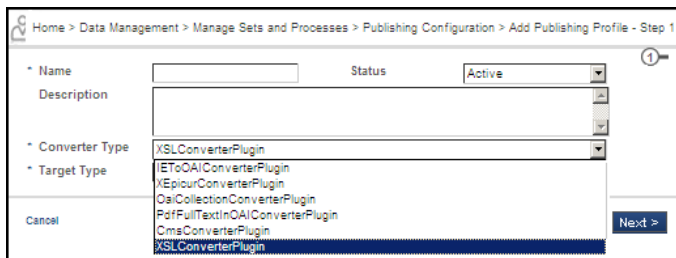
A converter plug-in converts a published Rosetta IE to a certain format or schemathat is part of the Publishing configuration.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

Usage

A list of the implemented Converter plug-ins is available as a converter type in the Add Publishing Profile wizard, step 1.



Converter Types in Publishing Profile

Implementations

Rosetta includes the following implementations of the Converter plug-in:

- IETOOAI-converter – Converts the descriptive metadata from the Rosetta METS and transforms it to the OAI_DC metadata format
- XSL-converter – Converts the descriptive metadata from the Rosetta METS and transforms it to an XML format, as configured using an XSLT file (input parameter).
- Handle Converter – Prepares the output for the Handle publishing file



ExLibris Rosetta Administration

Home **Advanced Configuration**

Home > Advanced Configuration > Plug-In Management > Plug-In Management

Bundled Custom

Filter : Converter Registry Plugins Find: In : All Go

Add Plug-In Instance 1 - 2 of 2 Plug-in

Active	Plug-In Type Name	Plug-In Name	Description	Contact Person	Plug-In Version			
1	ConverterRegistryPlugin	OaiCollection-converter	OaiCollectionConverterPlugin	Exlibris Ltd	2.0	View	Edit	Delete
2	ConverterRegistryPlugin	XSL-IEconverter	XSLIEConverterPlugin	Exlibris Ltd	3.0	View	Edit	Delete

Converter Registry Plug-in List



Publisher (Publishing)

Publisher (Publishing)

The Publisher plug-in is used to set the physical location that stores the published IEs (part of the Publishing configuration).

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

ExLibris Rosetta Administration			
Home Advanced Configuration			
Home > Advanced Configuration > Plug-In Management > Plug-In Information			
Plugin Information			
Plug-In Id	35771	Plug-In Name	NFS-Publisher
Plug-In Type Name	PublisherRegistryPlugin	Implementation Type	JAVA
Implementation Name	com.exlibris.dps.repository.pl...	Interface	-
Owner	CRS00	Material Type	DIGITAL
Family Type	TASK	Description	NFSPublisherPlugin
Resource Type	-	Module	-
Status	ACTIVE	Plug-In Version	2.0
Public API	-		
Contact Information			
Contact Type	admin	Email address	shaib@exlibris.co.il
Last Name	Ltd	First Name	Exlibris
Address 1	Agodat Asport2 Building 9	City	Jerusalem
Telephone 1	(050)746-1234		
Plugin Parameters			
* Folder	<input type="text"/>		
* Number Of Sub-directories	<input type="text"/>		
* File Extension	<input type="text"/>		
Cancel		Save	

Publisher Registry Plug-in Details

Usage

A list of the implemented Publisher plug-ins will be available as Target type in the Add Publishing Profile wizard, step 1.

Implementations

Rosetta includes the following implementations of the Publisher plug-in:

- NFS-Publisher – Used exclusively to publish IEs to Google



- OAI-Publisher – Target is the OAI-PMH database tables
- Handle Publisher – prepares the handle data for publishing



Start-up Check

Start-up Check

The start-up check plugin is used to check essential components needed for running Rosetta properly. Please refer to the Rosetta System Administration Guide for further details.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

[Home](#) / [Plug-In Management](#) / [Details](#)

Plugin Information

Plug-In Id	20375888	Plug-In Name	<input type="text" value="StartUp-DBChecker"/>
Plug-In Type Name	StartUpCheckPlugin	Implementation Type	SCRIPT
Implementation Name	bin\db	Interface	-
Owner	CRS00	Material Type	DIGITAL
Family Type	TASK	Description	<input type="text" value="DBChecker"/>
Resource Type	-	Module	-
Status	ACTIVE	Plug-In Version	2.4
Public API	-		

Contact Information

Contact Type	admin	Email address	shaib@exlibris.co.il
Last Name	Ltd	First Name	Exlibris
Address 1	Agodat Asport2 Building 9	City	Jerusalem
Telephone 1	(050)746-1234		

Plugin Parameters

* Role	<input type="text" value="REP"/>
* Severity	<input type="text" value="FATAL"/>
* Type	<input type="text" value="DBChecker"/>

Plug-in Management, Start-up Checker

Usage

All start-up check plug-in instances are activated by Rosetta during system startup. Any errors detected by any of the start-up check plug-in instances are displayed to the user during login.



Implementations

Rosetta includes the following implementations of the start-up check plug-in:

- DBChecker
- DeliveryWSChecker
- DepositWSChecker
- PDSCheckPlugin
- PermanentWSChecker
- PluginsCheckerPlugin
- RepositoryWSChecker
- SharedFoldersAccessChecker
- SharedFoldersSpaceChecker
- StorageAccessChecker
- StorageSpaceChecker
- OracleTablespaceUtilizationChecker



Access Rights

Access Rights

The Access Rights plug-in tool allows access rights checks to be performed outside of Rosetta. On checking the access rights, the plug-in returns a true or false value that controls whether an object can be viewed.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

Usage

The Access Rights plug-in is available as input criteria on the access rights configuration page.

MID	1	Metadata Type	policy_policyaccessrights_accessrights	Description	Only 5 concurrent users may view this object
Created by	SYSTEM	Creation Date	31/05/2021 19:06:27		
Updated by	SYSTEM	Update Date	31/05/2021 19:06:27		

New Group
 To Existing Group
 Select Group: 1
 Criteria: AR Plug-in
 Operator: equal
 Value 1:
 Cancel Save

Access Rights Plug-in Configuration

The plug-in relies on two properties:

1. Token – This should be concatenated to the delivery URL (created by the external system accessing Rosetta) and will be used by the plug-in.

Example:

`http://rosetta.exlibrisgroup.com:1801/delivery/DeliveryManagerServlet?dps_pid=IE17978/delivery/DeliveryManagerServlet?dps_pid=IE17978&token=<token>`

2. IP - The IP address is derived from the General Parameter `client_ip_header` (similar to any other IP-based access right functionality).



Implementations

There are no implementations for the Access Rights plug-in.



Custom Fixity

Custom Fixity

The Custom Fixity plug-in allows customers to run a fixity check in addition to the three fixity algorithms used by Rosetta (MD5, CRC32 and SHA-256).

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

Usage

A list of the implemented Custom Fixity plug-ins is available as a drop-down list in the Custom Fixity task.



Task Chains / Details

Task Chain ID: 15170675 Created By: admin1 Created On: 22/07/2015 10:20:06
 Updated By: John Smith Updated On: 22/07/2015 10:21:53

General Information

* Name: Fixity and virus check

* Description: Validation Stack - Fixity and virus check

* Status: Active Status Date

* Task Chain Level: IE

* Groups:

- Preservation
- Maintenance
- Validation Stack - Use file level tasks only
- Maintenance - Advanced
- Workbench
- Webeditor - Staging
- Enrichment
- Move To Permanent
- Metadata Validation
- Webeditor - Permanent

Task List Task Parameters

Checksum - Run fixity checks on files in permanent

Fixity List	3 items selected	Remove all		Add all
↓ MD5	--	SHA-512		+
↓ SHA1	--	SHA256		+
↓ CRC32	--			

Fixity Task Chain Details Page

Implementations

There are no implementations of the Access Rights plug-in.



Format Identifier

Format Identifier

The Format Identifier plug-in is used in order to allow customers to use a customized tool for identifying the format of the deposited file.

Multiple Format Identifiers

Institutions can optionally configure multiple format identifiers to enhance the reliability of the service and identify potential ambiguities. The first format identifier must be a PRONOM-based tool. Currently, the output of the additional tools are saved and searchable, but do not have operational impact on the system.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

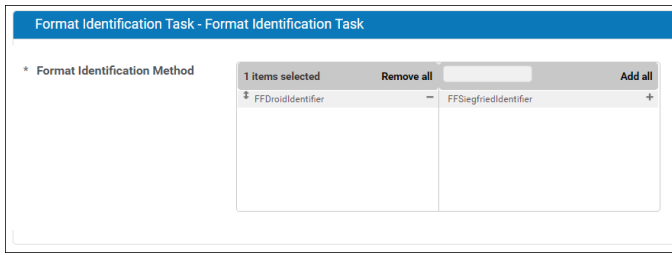
Plugin Information			
Plug-In Id	19365070	Plug-In Name	FFDroidIdentifier
Plug-In Type Name	FormatIdentificationPlugin	Implementation Type	JAVA
Implementation Name	com.exlibris.dps.repository.pl...	Interface	-
Owner	CRS00	Material Type	DIGITAL
Family Type	TASK	Description	DROID file format identifier
Resource Type	-	Module	-
Status	ACTIVE	Plug-In Version	96.0
Public API	-		
Contact Information			
Contact Type	admin	Email address	yuliar@exlibris.co.il
Last Name	Ltd	First Name	Exlibris
Address 1	Agodat Asport2 Building 9	City	Jerusalem
Telephone 1	(050)746-1234		
Plugin Parameters			
	* Maximum number of bytes to scan	<input type="text"/>	65536

Format Identifier Plug-in Information Page

Usage

A list of the implemented Format Identifier plug-ins is available on the Format Identification Task Parameters page.





Task Parameters Format Identifier Plug-in

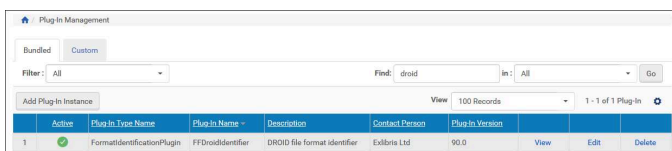
A list of the implemented Format Identifier plug-ins is also available on the Format Auto Correction Rules page.



Format Identification Auto-Correction Rules - Details

Implementations

Rosetta includes an implementation of DROID as a Format Identifier plug-in. You can add additional format identifier plug-ins, but you must include at least one PRONOM based tool, and this tool must be listed first. If you implement several PRONOM based tools including DROID, DROID must be first.



Identification Plug-in Management

https://knowledge.exlibrisgroup.com/Rosetta/Product_Documentation/Rosetta_Configuration_Guide/010Plug-in_Management...

Updated: Wed, 06 Mar 2024 10:45:19 GMT

Powered by



Virus Check

Virus Check

The Virus Check plug-in allows customers to use several customized virus check tools.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated during installation of a new instance of the plug-in.

Usage

A list of the implemented Virus Check plug-ins is available on the Virus Check Task Parameters page.



Task Chains / Details

Task Chain ID: 17591226 Created By: admin1 Created On: 28/09/2016 13:01:48
 Updated By: John Smith Updated On: 28/09/2016 14:22:54

General Information

* Name: Validation Stack- Virus Checks v2

* Description: Multiple Virus checks that all pass.

* Status: Active Status Date: 28/09/2016

* Task Chain Level: IE

* Groups:

- Preservation
- Maintenance
- Validation Stack - Use file level tasks only
- Maintenance - Advanced
- Workbench
- Webeditor - Staging
- Enrichment
- Move To Permanent
- Metadata Validation
- Webeditor - Permanent

Task List Task Parameters

Checksum - Run fixity checks on files in permanent

Fixity List	1 items selected	Remove all		Add all
	↑ CRC32	↓	MD5	+
			SHA-512	+
			SHA256	+
			SHA1	+

:- Virus Check

Virus Check Plugin

1 items selected	Remove all		Add all
↑ Use General Parameter Script	↓	VirusCheckCustomPlugin	+
		CtemAVVirusCheckPlugin	+
		UVScan-Script	+

Virus Check Plugin V2

f5XVirusCheck-Undetermined (not listed)

Format Identification Task - Format Identification Task

* Format Identification Method: FFDroidIdentifier

TechMD extraction Task - TechMD extraction Task

No Parameters

Risk Identification - Run Risk Identification for formats

No Parameters

Virus Check Task Chain Details



Implementations

Rosetta includes the following implementations of the Virus Check plug-in:

- Use General Parameter Script – Rosetta will keep supporting the virus check script that is currently stored as a general parameter named uvscan (for backwards compatibility purposes).
- Uvscan script – A dummy implementation of a virus check script plug-in

This is a placeholder only. Install and configure any anti-virus software separately.



Viewer Pre-Processor

Viewer Pre-Processor

A viewer pre-processor plug-in can be used in order to restructure an intellectual entity or convert a file prior to delivery to meet the requirements of a given viewer.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated in the installation of a new instance of the plug-in.

Usage

A viewer pre-processor plug-in can be used in order to restructure an intellectual entity or convert a file prior to delivery to meet the requirements of a given viewer. The list of available viewer pre-processor plug-ins is available directly from the viewer management UI.



Storage

Storage

Storage plug-ins provide the necessary interface between Rosetta and a storage layer, allowing Rosetta to store files on (and retrieve files from) various file systems and storage solutions.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated in the storage configuration.

Usage

Storage plug-ins provide the necessary interface between Rosetta and a storage layer, allowing Rosetta to store files on (and retrieve files from) various file systems and storage solutions. The list of available storage plug-ins is displayed in the storage management UI.



File Comparison

File Comparison

File comparison plug-ins receive two files and return a value that can be used as part of a preservation evaluation.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated in the installation of a new instance of the plug-in.

Usage

The plug-in receives two files (original and migrated) and returns a decimal value that can be used as part of a preservation evaluation. On failure it returns -1.



Full-Text Extraction

Full-Text Extraction

Full-text extraction plug-ins extract full-text from digital files, such as image files and PDFs.

Plug-in Parameters

Depending on the specific implementation, a plug-in may or may not require parameters. If the plug-in does require parameters, they are populated in the installation of a new instance of the plug-in.

Usage

A Full-Text Extractor plug-in can be used by the Extract Full Text task to extract full text from a file and store it in Rosetta. The full-text can then be exposed to other systems such as OPAC with the Full Text Viewer Pre-Processor plug-in to provide enhanced search capabilities. The full-text can be deleted using the Delete Full Text task.



Digital Object Identifiers

Integrating Digital Object Identifiers

Rosetta supports the storing, generating, and publishing of Digital Object Identifiers (DOIs) in IEs. This allows external systems that store and resolve links to digital objects to store information about IEs in Rosetta. Rosetta needs to be configured in order to integrate with the different systems that store the DOI values.

Configuring DOI Generation (Generic)

The configuration of the DOI generation task includes the following steps:

- Installing an instance of the CMSGenerator plug-in.
 - Adding the PiGeneratorGenericTask to an enrichment task chain.
 - Selecting the enrichment task chain that includes the DOI generation task as part of the SIP processing configuration setup.
 - Configuring the SIP routing rules in order to match the SIP processing configuration with the material flows.
 - Creating a task chain for generating the DOI as a stand-alone task chain, to be run as a process on IEs that are already in the permanent repository. This task chain should use the PiGeneratorGenericTask task, and its parameter should also be the plug-in instance that was created before (e.g. DOIGenerator).
-

Creating an Instance of the CMSGenerator Plug-in

Use the Plug-in Manager UI to install an instance of the CMSGenerator plug-in. (The plug-in instance can be saved under a different name, such as DOIGenerator.)

If you are re-installing or updating the plug-in, you must activate it.

To install an instance of the CMSGenerator plug-in:

1. Click Plug-In Management on the Home > Advanced Configuration page.
The Plug-In Management page opens.



Plug-In Name	File Name	Plug-In Type Name	Plug-In Type	
1 AIFF-hul	AIFFHUL-MDextractor.jar	MDExtractorPlugin	java	Install
2 AIFF-hul-1.10	AIFFHULMDExtractor1_10Plugin.jar	MDExtractorPlugin	java	Install
3 AIFF-hul-1.17	AIFFHULMDExtractor1_17Plugin.jar	MDExtractorPlugin	java	Install
4 ASCII-hul	ASCIHUL-MDextractor.jar	MDExtractorPlugin	java	Install
5 ASCII-hul-1.10	ASCIHULMDExtractor1_10Plugin.jar	MDExtractorPlugin	java	Install
6 ASCII-hul-1.17	ASCIHULMDExtractor1_17Plugin.jar	MDExtractorPlugin	java	Install
7 BYTESTREAM-hul	BYTESTREAMHUL-MDextractor.jar	MDExtractorPlugin	java	Install
8 BYTESTREAM-hul-1.10	BYTESTREAMHULMDExtractor1_10Plugin.jar	MDExtractorPlugin	java	Install
9 BYTESTREAM-hul-1.17	BYTESTREAMHULMDExtractor1_17Plugin.jar	MDExtractorPlugin	java	Install
10 ChecksumDigitValidatorPlugin	ChecksumDigitValidator.jar	FieldValidatorPlugin	java	Install
11 CMS-converter	CMS-Converter.jar	ConverterRegistryPlugin	java	Install
12 CMSGenerator	CMSGenerator.jar	PIGenerator	java	Install

Plug-In Management Page

2. Click Add Plug-In.
The List of Plug-In page opens.

Plug-In Name	File Name	Plug-In Type Name	Plug-In Type	
1 AIFF-hul	AIFFHUL-MDextractor.jar	MDExtractorPlugin	java	Install
2 ASCII-hul	ASCIHUL-MDextractor.jar	MDExtractorPlugin	java	Install
3 BYTESTREAM-hul	BYTESTREAMHUL-MDextractor.jar	MDExtractorPlugin	java	Install
4 ChecksumDigitValidPlugin	ChecksumDigitValidator.jar	FieldValidatorPlugin	java	Install
5 CMS-converter	CMS-Converter.jar	ConverterRegistryPlugin	java	Install
6 CMSGenerator	CMSGenerator.jar	PIGenerator	java	Install

List of Plug-In Page

3. Click the Install link in the row that contains the CMSGenerator plug-in.
The Plug-In Information page opens.

Plugin Information			
Plug-In Id	-	Plug-In Name	URNFixedLengthGenerator
Plug-In Type Name	PIGenerator	Implementation Type	java
Implementation Name	com.exlibris.dps.repository.pl...	Interface	-
Owner	-	Material Type	DIGITAL
Family Type	TASK	Description	URNFixedLengthGenerator
Resource Type	-	Module	Repository
Status	-	Plug-In Version	4.0
Public API	false		
Contact Information			
Contact Type	admin	Email address	shaib@exlibris.co.il
Last Name	Ltd	First Name	Exlibris
Address 1	Agodat Asport2 Building 9	City	Jerusalem
Telephone 1	-		
Plugin Parameters			
* Prefix	urn:nbn:de:bvb:12-		
* Type	URN		
Back		Cancel	Install

Plug-In Information Page



4. In the Plugin Information section, type a unique name and description for the plug-in instance.
5. In the Plugin Parameters section, enter the following fields:
 - Prefix – Enter the prefix for the DOI. For example, the IDs that are generated by this plug-in will be named **urn:nbn:de:bvb:12-01234556**, where the digits after the prefix are a generated database sequence.
 - Type – Enter the DOI type (such as URN).
6. Click Install to create the plug-in instance.
The Plug-In Management page opens.
7. In the list of plug-ins, click the check mark in the row that contains the new plug-in to activate the plug-in.

Adding the PiGeneratorGenericTask Task to an Enrichment Task Chain

This step adds a PiGeneratorGenericTask task to an enrichment task chain.
To add a task to the Enrichment task chain:

1. Click List of Task Chains on the Home > Advanced Configuration > Repository page.
The Task Chain List page opens.

Active	Name	Description	Groups	Creation Date	Modification Date	
1	Publishing - Add Rule	This task chain will connect the given configuration to the given publ...		19/07/2011 14:57:37	19/07/2011 14:57:37	View Update
2	Validation Stack - Full	This task chain runs the full suite of validation routines on the file...	Validation Stack, Webeditor - Staging, Webeditor - Permanent	19/07/2011 14:57:37		View Duplicate
3	Move To Permanent	This task chain is used by the SIP Processing workflow in order to sto...	Move to Permanent	19/07/2011 14:57:37		View Duplicate
4	Delete Intellectual Entities	This task chain is a reserved task chain used as part of the SIP Proce...		19/07/2011 14:57:37		View Duplicate
5	Enrichment - Minimal	This task chain performs a small set of operations needed before stori...	Enrichment, Webeditor - Staging, Webeditor - Permanent	19/07/2011 14:57:37		View Update

Task Chain List Page

2. Click the Update link in the row containing the Enrichment task chain.
The Task Chain Details page opens.



Home > Advanced Configuration > Repository > List of Task Chains > Task Chain Details

ID: 10 Created By: SYSTEM Created On: 27/08/2011 00:20:15
 Updated By: Updated On:

General Information

* Name: Enrichment - with URN
 * Description: This task will perform all of the enrichment processes needed before storing the content in the Permanent Repository. These processes include generation of
 * Status: Active Status Date: 27/08/2011
 * Log Level: Task * Log Sensitivity: All

Groups:

- Workbench
- Validation Stack
- Webeditor - Staging
- Preservation
- Move To Permanent
- Maintenance
- Webeditor - Permanent
- Metadata Validation
- Enrichment

Task List Task Parameters

Add Task

Set order	Name	Description	Next Step On Failure	
1	Crms Update	Crms Update		Delete
2	OBJECT INDEX TASK	Object Index Task		Delete

Task Chain Details Page

3. Click the Add Task button.
The Task List page opens.

Home > Advanced Configuration > Repository > List of Task Chains > Task List

Find: _____ in All Go

31 - 40 of 55 Tasks << < 3 4 5 > >>

	Name	Description	Privilege Group	Creation Date	Modification Date	
31	MoveToRecycleBinTask	Move Entities To Recycle Bin	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View
32	DCReplacePlugin_Task	This task runs DCReplacePlugin	FULL	27/08/2011 00:24:24	27/08/2011 00:24:24	View
33	NLB_PID_Plugin_Task	This task runs NLB_PID_Plugin	FULL	27/08/2011 00:24:24	27/08/2011 00:24:24	View
34	NLB_PID_Insert_Plugin	This task runs NLB_PID_Insert	FULL	27/08/2011 00:24:25	27/08/2011 00:24:25	View
35	DCReplacePlugin2_Task	This task runs DCReplacePlugin	FULL	27/08/2011 05:03:23	27/08/2011 05:03:23	View
36	Pending File Checksum	Checksum Task	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View
37	Clean VS Data Task	Clean VS Data Task	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View
38	Ferret Identification Task	Ferret Identification Task	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View
39	TechnID extraction Task	TechnID extraction Task	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View
40	PiGeneratorGenericTask	Persistent Identifier Generator	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View

Add

< Back

Task List Page

4. Select the PiGeneratorGenericTask task.
5. Click the Add button.
The PiGeneratorGenericTask task displays in the task list on Task Chain Details page.



Task List Task Parameters

Add Task

Set order	Name	Description	Next Step On Failure	
1	PiGeneratorGenericTask	Persistent Identifier Generator Task		Delete

Task List - Task Chain Details Page

6. Select the Task Parameters tab.
The information on the Task Parameters tab opens.

Task List Task Parameters

[-] PiGeneratorGenericTask - Persistent Identifier Generator Task

* Persistent Identifier Generator Plug-in

Task Parameters - Task Chain Details Page

7. In the drop-down list, select the instance of the plug-in you created previously.
8. Click the Save button.

Selecting the Enrichment Task Chain as Part of the SIP Processing Configuration

In order to use the enrichment task chain that includes the new DOI creation task, make sure it is used in the SIP processing configuration that is in use.

To select the Enrichment task chain:

1. Click SIP Processing Configuration on the Home > Submissions > Configure Settings page.
The SIP Processing Configuration List page opens.

Home > Submissions > Configure Settings > SIP Processing Configuration List

Filter All

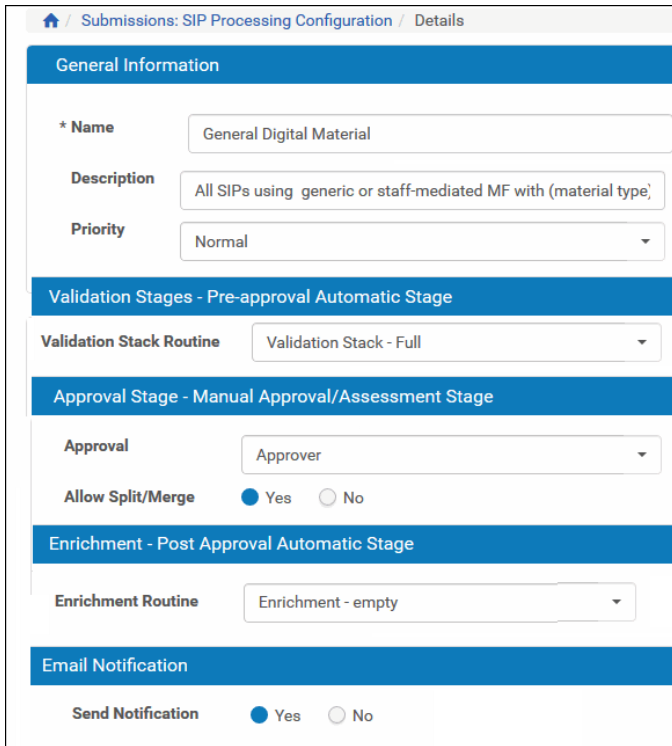
Add Processing Configuration 1 - 7 of 7 Records

Active	Name	Description	Created Date	Updated Date				
1	✓ All Other	Any SIP that does not conform to one of the specific SIP routing rules is processing according to this configuration.	27/08/2011 04:14:28		View	Update	Duplicate	More...
2	✓ General Digital Material	All SIPs using generic or staff-mediated MF with (material type) unpublished, from producer (group) unpublished	27/08/2011 00:20:15		View	Update	Duplicate	More...
3	✓ General Published Material	All SIPs using a generic MF, producer (group) published	27/08/2011 00:20:15	27/08/2011 04:24:51	View	Update	Duplicate	More...

SIP Processing Configuration List Page



2. Click the Update link in the row containing the SIP processing configuration.
The SIP Processing Configuration page opens.



Submissions: SIP Processing Configuration / Details

General Information

* Name: General Digital Material

Description: All SIPs using generic or staff-mediated MF with (material type)

Priority: Normal

Validation Stages - Pre-approval Automatic Stage

Validation Stack Routine: Validation Stack - Full

Approval Stage - Manual Approval/Assessment Stage

Approval: Approver

Allow Split/Merge: Yes No

Enrichment - Post Approval Automatic Stage

Enrichment Routine: Enrichment - empty

Email Notification

Send Notification: Yes No

SIP Processing Configuration Page

3. In the Enrichment Routine drop-down list, select the enrichment routine that includes the PiGeneratorGenericTask task you added previously.
4. Click the Save button.

Setting the SIP Routing Rules

Make sure the SIP routing rules are using the right SIP processing configuration.
To set the SIP routing rules:

1. Click SIP Routing Rules on the Home > Submissions > Configure Settings page.
The SIP Routing Rule List page opens.



Submissions: SIP Routing Rules

Filter: All Find: _____ in All Go

Add Rule View: Default Paging 1 - 10 of 15 Records 1 2 > >>

	Name	Description	Creation Date	Modification Date			
1	✓ All other		11/02/2020 19:52:51	23/05/2021 21:29:31	Update	Duplicate	Delete
2	✓ Rosetta METS deposit		14/09/2010 14:30:16		Update	Duplicate	Delete
3	✓ Alma Flow Routing Rule		29/05/2018 16:40:08	26/05/2020 10:04:14	Update	Duplicate	Delete
4	✓ Only for MF of DC XML - No URI		24/05/2020 14:47:00	24/05/2020 14:49:53	Update	Duplicate	Delete
5	✓ General digital material		14/09/2010 14:30:16	08/07/2020 12:05:49	Update	Duplicate	Delete
6	✓ Gals_SIP_ROUTING_RULE	Gals_SIP_ROUTING_RULE	24/02/2020 09:38:40	25/02/2020 09:52:39	Update	Duplicate	Delete
7	✓ CSV Validation with SHA-512 fixty		21/05/2018 17:16:18	21/05/2018 18:48:50	Update	Duplicate	Delete
8	✓ One time publications		14/09/2010 14:30:16		Update	Duplicate	Delete
9	✓ Periodic publications		14/09/2010 14:30:16		Update	Duplicate	Delete
10	✓ General digital material - virus check v2		28/09/2016 14:26:59	28/09/2016 14:27:22	Update	Duplicate	Delete

1 - 10 of 15 Records 1 2 > >>

Name	Description	Creation Date	Modification Date	
Default		14/09/2010 14:30:16	06/04/2020 14:28:07	Update

SIP Routing Rule List Page

2. Click the Update link in the row containing the SIP's routing rules. The SIP Rule Details page opens.

Submissions: SIP Routing Rules / Details

Rule Editor

*** Name**

Description

Created By: System **Created on:** 14/09/2010 14:30:16

Updated By: John Smith **Last Update on:** 08/07/2020 12:05:49

Input General Parameters

Parameter	Operator	Value
Material Flow *	=	General digital material
Material Type *	=	Any
Producer *	=	Any
Producer Group *	=	Any

Output Parameters:

Parameter	Result
Approver Group *	Published Approver
Department *	Demo Department
Process Configuration Id *	General Digital Material

SIP Rule Details Page

3. Make sure the SIP routing rules are using the right SIP processing configuration.
4. Click the Save button.

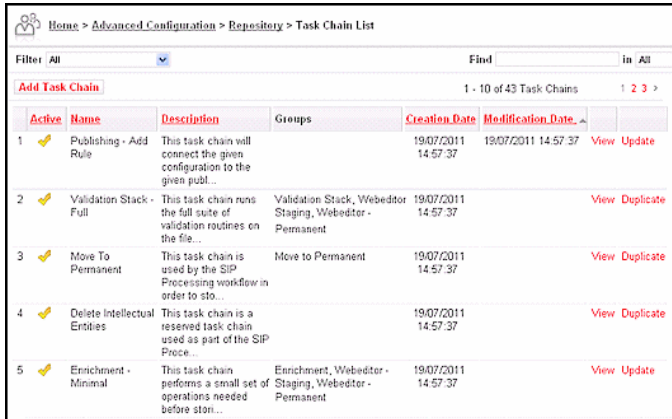


DOI Creation as a Stand-Alone Task Chain

The DOI creation task can be added to a task chain that will be used in a process or a service on IEs that are already in the Permanent Repository.

To add a task to the Enrichment task chain:

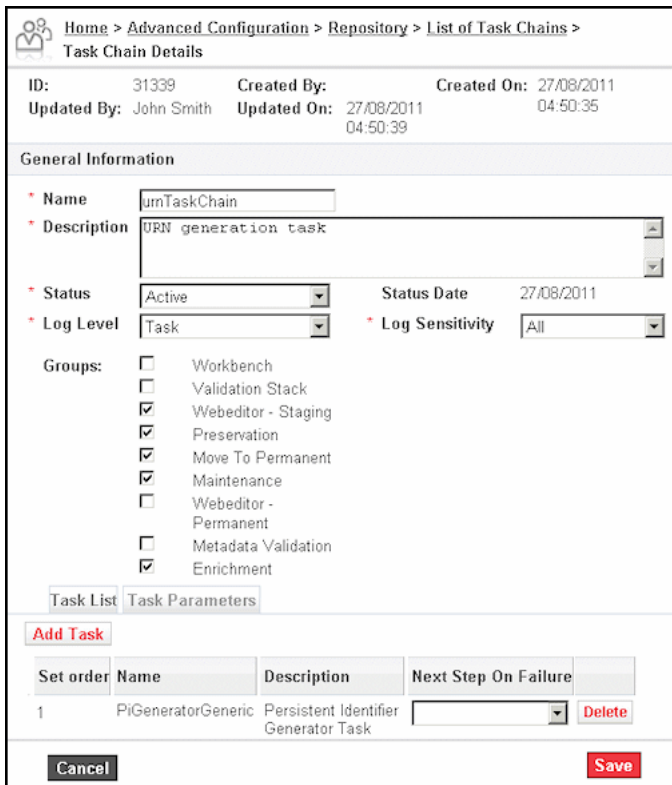
1. Click List of Task Chains on the Home > Advanced Configuration > Repository page.
The Task Chain List page opens.



Active	Name	Description	Groups	Creation Date	Modification Date	
1	Publishing - Add Rule	This task chain will connect the given configuration to the given publ...		19/07/2011 14:57:37	19/07/2011 14:57:37	View Update
2	Validation Stack - Full	This task chain runs the full suite of validation routines on the file...	Validation Stack, Webeditor Staging, Webeditor - Permanent	19/07/2011 14:57:37		View Duplicate
3	Move To Permanent	This task chain is used by the SIP Processing workflow in order to sto...	Move to Permanent	19/07/2011 14:57:37		View Duplicate
4	Delete Intellectual Entities	This task chain is a reserved task chain used as part of the SIP Proce...		19/07/2011 14:57:37		View Duplicate
5	Enrichment - Minimal	This task chain performs a small set of operations needed before stor...	Enrichment, Webeditor - Staging, Webeditor - Permanent	19/07/2011 14:57:37		View Update

Task Chain List Page

2. Click the Add Task Chain button.
The Task Chain Details page opens.



Home > Advanced Configuration > Repository > List of Task Chains > Task Chain Details

ID: 31339 Created By: John Smith Created On: 27/08/2011 04:50:35
Updated By: John Smith Updated On: 27/08/2011 04:50:39

General Information

* Name: urnTaskChain
* Description: URN generation task
* Status: Active Status Date: 27/08/2011
* Log Level: Task * Log Sensitivity: All

Groups:

- Workbench
- Validation Stack
- Webeditor - Staging
- Preservation
- Move To Permanent
- Maintenance
- Webeditor - Permanent
- Metadata Validation
- Enrichment

Task List Task Parameters

Add Task

Set order	Name	Description	Next Step On Failure	
1	PIGeneratorGeneric	Persistent Identifier Generator Task		Delete

Cancel Save



Task Chain Details Page

3. Click the Add Task button.
The Task List page opens.

Name	Description	Privilege Group	Creation Date	Modification Date	
MergeToRecycleBinTask	Merge Entities To Recycle Bin	FULL	27/08/2011 00:20:15	27/08/2011 00:20:15	View
DCReplacePlugin_Task	This task runs DCReplacePlugin	FULL	27/08/2011 00:24:24	27/08/2011 00:24:24	View
NLB_PID_Plugin_Task	This task runs NLB_PID_Plugin	FULL	27/08/2011 00:24:24	27/08/2011 00:24:24	View
NLB_PID_Insert_Plugin	This task runs NLB_PID_Insert	FULL	27/08/2011 00:24:25	27/08/2011 00:24:25	View
DCReplacePlugin2_Task	This task runs DCReplacePlugin	FULL	27/08/2011 05:03:23	27/08/2011 05:03:23	View
Pending File Checksum	Checksum Task	FULL	27/08/2011 00:20:15		View
Clean VS Data Task	Clean VS Data Task	FULL	27/08/2011 00:20:15		View
Ferrest Identification Task	Ferrest Identification Task	FULL	27/08/2011 00:20:15		View
TechMD extraction Task	TechMD extraction Task	FULL	27/08/2011 00:20:15		View
PiGeneratorGenericTask	Persistent Identifier Generator	FULL	27/08/2011 00:20:15		View

Task List Page

4. Select the PiGeneratorGenericTask task.
5. Click the Add button.
The PiGeneratorGenericTask task displays in the task list on Task Chain Details page.

Set order	Name	Description	Next Step On Failure	
1	PiGeneratorGenericTask	Persistent Identifier Generator Task		Delete

Task List - Task Chain Details Page

6. Select the Task Parameters tab.
The information on the Task Parameters tab opens.

Task List	Task Parameters
PiGeneratorGenericTask - Persistent Identifier Generator Task	
* Persistent Identifier Generator Plug-in	

Task Parameters - Task Chain Details Page

7. In the drop-down list, select the instance of the plug-in you created previously.
8. Click the Save button.



Configuring Handle Creation and Publishing

The Handle DOI (which is used by NLNZ) is implemented in Rosetta with the following tasks:

- PiGeneratorTask – creates the Handle.
- PiPublisherTask – publishes the Handle.

To use these tasks as part of the Enrichment task chain or as a stand-alone task chain, make sure these tasks are included in the list of tasks for the task chain, either in the Enrichment task chain that is used by the SIP Processing Configuration and the SIP Routing Rule, or in the list of tasks of the stand-alone task chain.

Task Chain ID: 10733542 Created By: admin1 Created On: 29/07/2013 14:31:03
Updated By: John Smith Updated On: 29/07/2013 14:38:00

General Information

* Name: Enrichment - Minimal

* Description: This task chain performs a small set of operations needed before storing the content in the Permanent Repository. These processes include generation of thumbnails, CMS record enrichment as well as generation of the Repository's search indexes

* Status: Active Status Date: 29/07/2013

* Task Chain Level: IE

* Groups:

- Preservation
- Maintenance
- Validation Stack - Use file level tasks only
- Maintenance - Advanced
- Workbench
- Webeditor - Staging
- Enrichment
- Move To Permanent
- Metadata Validation
- Webeditor - Permanent

Task List Task Parameters

Add Task

Order	Name	Description	Level	Next Step On Failure	
1	CMS Update	Synchronize between Rosetta and CMS system	INTELLECTUAL_ENTITY		Delete
2	Create Derivative Copy Representation	Create Derivative Copy Representation	INTELLECTUAL_ENTITY		Delete
3	Assign Collection By DC	Assign Collection By DC	INTELLECTUAL_ENTITY		Delete

Task Chain Details Page

Configuring NLB PID Creation and Publishing

The NLB PID is a DOI (used by NLB) that is implemented in Rosetta using the NLB_PID_Plugin_Task task, which creates and publishes the DOI.

In order to use this task as part of the Enrichment task chain or as a stand-alone task chain, make sure that this task is included in the list of tasks for the task chain, either in the Enrichment task chain that is used by the SIP Processing Configuration and the SIP Routing Rule, or in the list of tasks of the stand-alone task chain.



Task Chains / Details

Task Chain ID: 10733542 Created By: admin1 Created On: 29/07/2013 14:31:03
 Updated By: John Smith Updated On: 29/07/2013 14:38:00

General Information

* Name:

* Description:

* Status: Status Date: 29/07/2013

* Task Chain Level:

* Groups:

- Preservation
- Maintenance
- Validation Stack - Use file level tasks only
- Maintenance - Advanced
- Workbench
- Webeditor - Staging
- Enrichment
- Move To Permanent
- Metadata Validation
- Webeditor - Permanent

Task List Task Parameters

Add Task

Order	Name	Description	Level	Next Step On Failure	
1	CMS Update	Synchronize between Rosetta and CMS system	INTELLECTUAL_ENTITY	<input type="text" value=""/>	Delete
2	Create Derivative Copy Representation	Create Derivative Copy Representation	INTELLECTUAL_ENTITY	<input type="text" value=""/>	Delete
3	Assign Collection By DC	Assign Collection By DC	INTELLECTUAL_ENTITY	<input type="text" value=""/>	Delete

Cancel Save

Task Chain Details Page



Localization

User Interface Languages

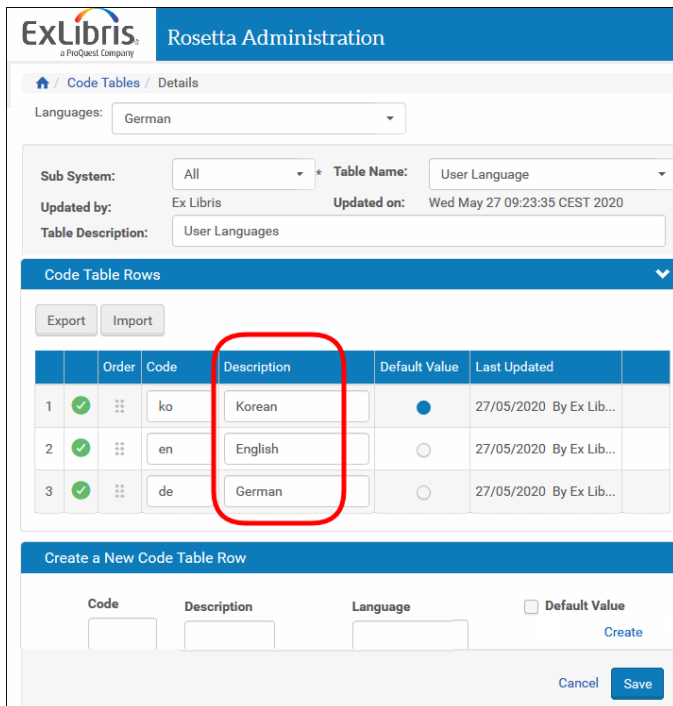
Rosetta uses an English (American) language default interface. Customers can change the interface language by adding a language to the User Language code table, then adding a translation for all interface objects (such as pages, labels, and values).

Users can add as many languages as they need to Rosetta, then choose among those they have entered.

Add a New Language

To access the code table for languages, follow this path: Advanced Configuration > General > All Code Tables. Click the text link User Language from the list of code tables.

The code table page opens to the User Language table.



The screenshot shows the 'Rosetta Administration' interface for the 'User Language' code table. The table contains the following data:

Order	Code	Description	Default Value	Last Updated
1	ko	Korean	<input checked="" type="radio"/>	27/05/2020 By Ex Lib...
2	en	English	<input type="radio"/>	27/05/2020 By Ex Lib...
3	de	German	<input type="radio"/>	27/05/2020 By Ex Lib...

User Language Code Table

To add a new language, enter the language's code and description (for example, code = "fr" and description = "French") in the fields below the Create a New Code Table Row heading. Then click the Create text link.

The data you entered appears as the next row in the User Language code table.

Click the Save button.

The system saves the new language information and returns you to the List of Code Tables page.



Adding New Language Values to the Code Table

In order for the new language to appear on the UI, new values must be added to the code tables that store UI text. This can be done in one of two ways:

- [Updating an .XLS File \(Export/Import\)](#)
- [Updating in the UI](#)

For large code tables such as UILabels (over 6,000 rows), the XLS file method should be used to translate the language.

Updating an .XLS File (Export/Import)

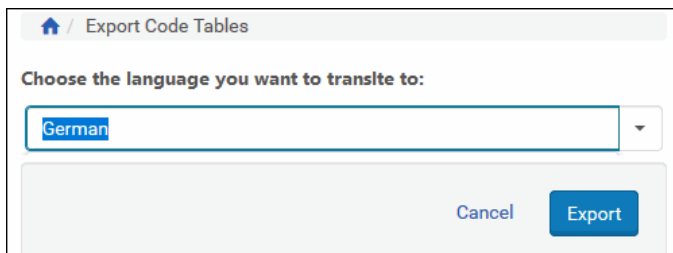
The export/import method involves

- exporting the code table content into an .xls file (Excel spreadsheet or another spreadsheet application that reads .xls files)
- modifying the data in the spreadsheet application, and
- importing the spreadsheet back into Rosetta.

You can perform these manual translations one table at a time, from the Code Tables page, or you can export all code tables in a single export and into a single file.

To download the tables one by one, use the Export text link in the Code Table Rows section of the Code Tables page (see [Exporting All Code Tables](#)).

To download all code tables that require translating, follow the path Home > Advanced Configuration > Multi-Language Setting > Export Code Tables, then select your language and click the Export button.



Exporting All Code Tables

When exporting, save the file to the directory of your choice, then open the file and enter translations. When you are finished translating, import the edited spreadsheet using the import function from the Multi-Language Setting page or the Code Tables page.

Make sure you select the language you translated into when making this selection for importing. If you change the selected language, the system reloads the UI and sends you back to the Home page.

When the language is loaded, the user can select it for viewing.

Updating in the UI

The UI method involves entering information directly into the code tables as they are displayed on the UI.



Code Tables - Details

Language: German

Sub System: German

Updated by: English

Table Name: SIP Action Options List Labels

Updated on: Wed May 27 09:22:34 CEST 2020

Code Table Rows

Order	Code	Description	Default Value	Last Updated
1	SIP.AssignTo.3A	Assign to	<input checked="" type="radio"/>	27/05/2020 By Ex Lib...
2	SIP.Revalidate	Revalidate SIP	<input type="radio"/>	27/05/2020 By Ex Lib...
3	SIP.Decline	Decline SIP	<input type="radio"/>	27/05/2020 By Ex Lib...
4	Control.IE.Reject	Reject IE	<input type="radio"/>	27/05/2020 By Ex Lib...
5	Control.IE.Decline	Decline IE	<input type="radio"/>	27/05/2020 By Ex Lib...
6	SIP.Approver	Move to Approver pool	<input type="radio"/>	27/05/2020 By Ex Lib...
7	SIP.AssignTo.Approver	Move to specific Approver	<input type="radio"/>	27/05/2020 By Ex Lib...
8	SIP.Arranger	Move to Arranger pool	<input type="radio"/>	27/05/2020 By Ex Lib...
9	SIP.AssignTo.Arranger	Move to specific Arranger	<input type="radio"/>	27/05/2020 By Ex Lib...

Key Fields for Translating Code Tables

From the General > Code Tables page, the user selects the following:

- a UI language from the Languages drop-down menu
- the code table from the Table Name drop-down menu.

The page refreshes with each selection. The Description column displays the text that should be translated into the language selected.

Clicking Save returns you to the previous page.

Code	Description
Internal	Interne Approbateur
Unpublished	Un objet d'une publication Approbateur
Published	Publié Approbateur

Translation Fields on the Code Table UI

UI Customization

Users can change Rosetta's login page image, logo, and color scheme, on the UI Customization page (Administration module > Localization > UI Customization).

Use the following links to see relevant topics:

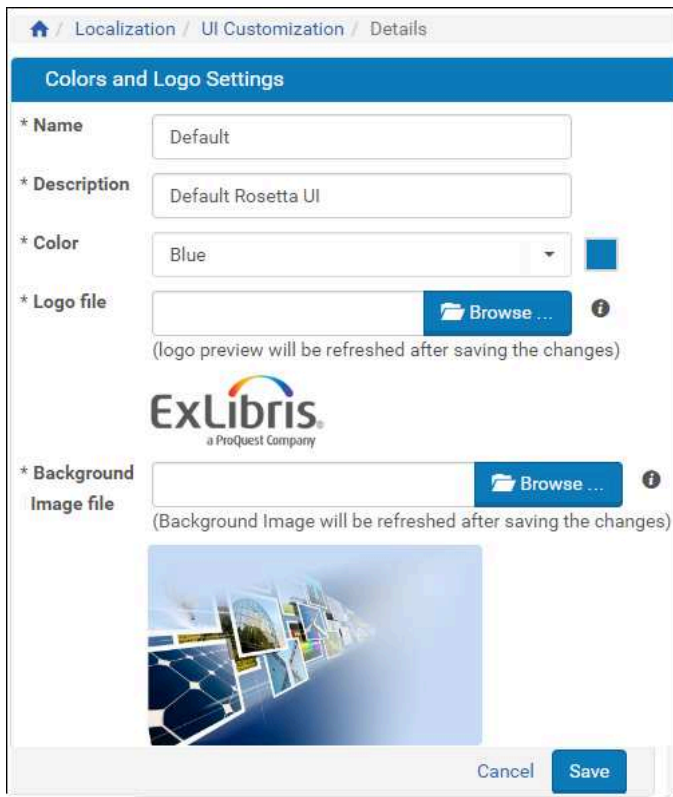
- [Customizing the Login Page Image](#)
- [Customizing the Rosetta Logo and Color](#)
- [UI Customization Per Institution](#)



Customizing the Login Page Image

You can customize the login page image in the default IU customization for the consortium.
To perform the customization:

1. From the UI Customization page (Administration module > Localization > UI Customization), click Edit for the default UI customization. The following appears:



Login Page Customization

2. From the Background Image File field, click Browse.
3. Click Save. The background image you selected appears in the login page.

Customizing the Rosetta Logo and Color

You can customize the default logo that appears on the top right of the Rosetta header and the color of the interface by creating a customization profile with the logo and color you want. An administrator can then assign the profile to an institution so that the logo and color appear in the Rosetta interface of the institution.

There is no automatic restore-default function on the UI Customization page. It is recommended to save a copy of the current logo, so that you can later restore it.

To perform the customization:

1. From the Administration module, click Localization > UI Customization and click the Add UI Customization button. The following appears:





Home / Localization / UI Customization / Details

Colors and Logo Settings

* Name

* Description

* Color 

* Logo file 

(logo preview will be refreshed after saving the changes)

UI Customization

2. Enter a Name and Description. These will be helpful when you or another user assign the customization to a particular institution.
3. From the Color drop-down list, select a color.
4. To set a new logo, click Browse and select a logo.

Logos must be in jpg or png format. The recommended dimensions are 100 X 43.

5. Click Save. The changes are displayed.

You have to assign the new customization to an institution and log on as a user of that institution to see the changes in color and logo. For more information, see [UI Customization Per Institution](#).

UI Customization Per Institution

The System Administrator can define different UI customizations for different institutions. Users who log on to a customized institution see the logo and colors that the Administrator has specified (see [Customizing the Rosetta Logo and Color](#)) for that institution.

The Delivery of an IE takes on the customization of the institution to which the IE belongs.

To assign a UI customization to an institution:

1. Access the List of institutions page (Administration module > Administrative Structure).
2. Select the name or Edit link of the institution you want to customize.
The institution's information and list of departments open.



Administrative Structure / Details

Institution Information

* Code: INS00 * Name: Demo Institution

Color and Logo Settings: Default

* Description: Demo Institution

Updated By: admin1 Creation date: 02/03/2017

Department List

Create New Department

	Code	Name	Description	Updated On	Updated By		
1	DEP03	DEP03	DEP03	02/03/2017	admin1	Edit	Delete
2	DPR00	Demo Department	Demo Department	-	-	Edit	Delete

Back Save

Assigning Color and Logo to an Institution

- In the institution Information section of the page, from the Color and Logo Settings drop-down list, select the name of one of the defined UI customizations.
- Click the Save button.

Changes may not be immediately viewable. You must be logged on to the institution whose UI you are changing to see the changes. If you are already logged on, refresh the page through your browser.



Configuring General Settings

Working with Configuration Files

Configuration files enable Administrators to configure advanced settings at the consortial level (such as metadata standards and e-mail configurations that all of the institutions in a consortium must conform to). The configuration files can be stored in various formats, including XML and XSL.

Configuration files are divided into functional groups, known as file groups, which can be further divided into sub-groups. [Table](#) describes the organization of configuration files in the Rosetta system.

Configuration File Groups and Sub-Groups

File Group	Files Define...
External Interfaces	Interaction with external systems
Metadata Editing Configuration	Web Editor configuration files
XSL Transformation	Manage various XSL files used to transform IEs throughout the system
User Emails Group	XSL files for Email formatting
General	Miscellaneous files

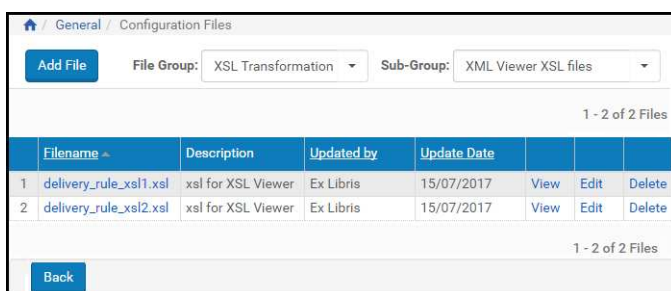
After you make changes to a configuration file, you can click View Previous to display the configuration file from the last time it was saved. To restore the previous version, click Save.

Adding XSL Configuration Files

You can add XSL configuration files to Rosetta that are used to convert XML documents to user friendly HTML. You can configure file delivery rules that determine when a specific XSL file is used. For more information, see [Delivery Rules](#).

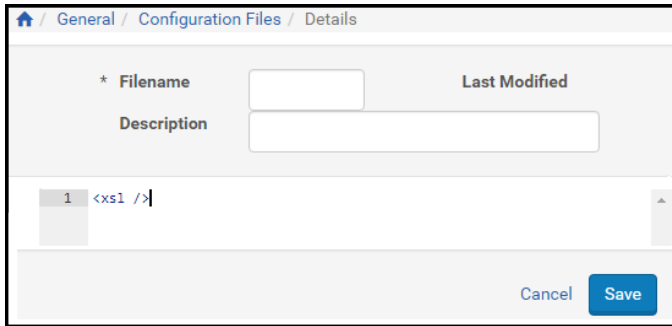
To add an XSL configuration file:

1. From the Administration interface, select General > Configuration Files.



XSL Configuration Files

2. Click Add File.



The screenshot shows a web interface for adding an XSL configuration file. The breadcrumb navigation is 'General / Configuration Files / Details'. The form has three main sections: a 'Filename' field with a 'Last Modified' label, a 'Description' field, and a text area for the XSL code. The text area contains the code '<xsl />'. At the bottom right, there are 'Cancel' and 'Save' buttons.

Add XSL Configuration File

3. Enter the filename, description, and the XSL configuration file.
4. Click Save.

The XSL configuration file is available when creating file delivery rules.

Working with General Parameters

Administrators can configure general parameters to control how the Rosetta system functions. General parameters are divided into functional groups known as modules, some of which are described in the following table.

CAUTION: Avoid accessing general parameters unless you have in depth knowledge of the Rosetta system and you have contacted Ex Libris to discuss changing your settings. Performing an error on a general parameter can cause the system to malfunction.

General Parameter Modules

Module	Description
Authentication	Authentication settings, such as the name of the calling system.
Background jobs	Background job execution settings - for example, how many times per minute the system executes the metadata indexer program.
Backoffice	Back office configuration settings, such as default page size and password size.
BIRT	Reporting module settings, such as default paper size.
Delivery	Delivery settings, such as the number of collections to be displayed in a collection viewer page and the maximum file size for delivery.
Deposit	Deposit process settings, such as default page size and event logging.
Format Library	Format Library settings, such as setting a GitHub username and password, to allow you to install the draft of the format library version.



Module	Description
General	General settings, such as system time format.
Menu	Menu settings, such as the directory in which graphs used in reports are stored
Network	Network settings, such as inactivity connection time-out.
Repository	Permanent Repository settings, such as the file storage system.
Search	Search settings, such as the bulk size of the export to Excel functionality and the number of columns displayed in the search UI.
SMTP Email	SMTP email settings, such as the SMTP email port and password.

Administrators who do work with the general parameters use advanced configuration and the General Parameters mapping table. (For more information on accessing the List of General Parameters page, see [Administration Components](#). For a description of the General Parameters, see the **General Parameters** section of the *Rosetta System Administration Guide*.)

Working with Code Tables

Code tables contain options that staff and Administrators select when configuring the Rosetta system. For example, the Producer group code table contains groups for a Negotiator to choose from when creating a Producer account. The Rosetta system assembles code tables into the following groups, known as subsystems:

- Common
- Data Model
- Deposit
- Events
- Infra
- Material Flow Management
- Menu
- Metadata Editor
- Metadata Forms
- Persistent Identifiers
- Preservation
- Process Management
- Producer Management
- Staging
- User Management

For a description of all available code tables, see [Rosetta Code Tables](#). Administrators can access the catalog of all code tables stored in the Rosetta system using the All Code Tables page.



(For information on accessing the All Code Tables page, see [Administration](#).)

In addition, this page enables Administrators to open individual code tables for editing. (For more information on working with individual code tables, see [Editing Code Tables](#).)

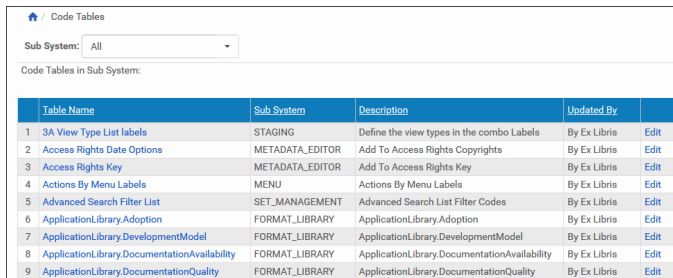


Table Name	Sub System	Description	Updated By	
1 3A View Type List labels	STAGING	Define the view types in the combo Labels	By Ex Libris	Edit
2 Access Rights Date Options	METADATA_EDITOR	Add To Access Rights Copyrights	By Ex Libris	Edit
3 Access Rights Key	METADATA_EDITOR	Add To Access Rights Key	By Ex Libris	Edit
4 Actions By Menu Labels	MENU	Actions By Menu Labels	By Ex Libris	Edit
5 Advanced Search Filter List	SET_MANAGEMENT	Advanced Search List Filter Codes	By Ex Libris	Edit
6 ApplicationLibrary.Adoption	FORMAT_LIBRARY	ApplicationLibrary.Adoption	By Ex Libris	Edit
7 ApplicationLibrary.DevelopmentModel	FORMAT_LIBRARY	ApplicationLibrary.DevelopmentModel	By Ex Libris	Edit
8 ApplicationLibrary.DocumentationAvailability	FORMAT_LIBRARY	ApplicationLibrary.DocumentationAvailability	By Ex Libris	Edit
9 ApplicationLibrary.DocumentationQuality	FORMAT_LIBRARY	ApplicationLibrary.DocumentationQuality	By Ex Libris	Edit

All Code Tables Page

Editing Code Tables

The All Code Tables page enables Administrators to open code tables for editing.

To open a code table for editing:

On the All Code Tables page, locate the code table to which you want to add an option and click Edit. The page containing available options of the selected code table opens.

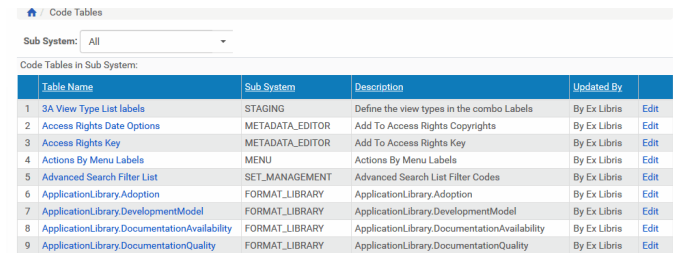


Table Name	Sub System	Description	Updated By	
1 3A View Type List labels	STAGING	Define the view types in the combo Labels	By Ex Libris	Edit
2 Access Rights Date Options	METADATA_EDITOR	Add To Access Rights Copyrights	By Ex Libris	Edit
3 Access Rights Key	METADATA_EDITOR	Add To Access Rights Key	By Ex Libris	Edit
4 Actions By Menu Labels	MENU	Actions By Menu Labels	By Ex Libris	Edit
5 Advanced Search Filter List	SET_MANAGEMENT	Advanced Search List Filter Codes	By Ex Libris	Edit
6 ApplicationLibrary.Adoption	FORMAT_LIBRARY	ApplicationLibrary.Adoption	By Ex Libris	Edit
7 ApplicationLibrary.DevelopmentModel	FORMAT_LIBRARY	ApplicationLibrary.DevelopmentModel	By Ex Libris	Edit
8 ApplicationLibrary.DocumentationAvailability	FORMAT_LIBRARY	ApplicationLibrary.DocumentationAvailability	By Ex Libris	Edit
9 ApplicationLibrary.DocumentationQuality	FORMAT_LIBRARY	ApplicationLibrary.DocumentationQuality	By Ex Libris	Edit

Code Table Example

The following actions can be performed from the code table page:

- [Adding an Option to the Code Table](#)
- [Activating and Deactivating an Option](#)
- [Changing the Display Order](#)
- [Deleting an Option](#)

Adding an Option to the Code Table

Administrators can add options to a code table.

To add an option:

1. On the Advanced Configuration > General > All Code Tables page, locate the code table to which you want to add an option and click Edit. The page containing available options of the selected code table is displayed.
2. Under Create a New Code Table Row, provide the requested information.
3. Click Save. The new option is displayed in the code table.

The new option is now available to Staff and Administrators who configure the Rosetta system.



Activating and Deactivating an Option

Administrators can temporarily deactivate an option in a code table when they want to make this option unavailable to staff users without deleting it.

On the code table page, the status of the option is indicated by the check mark in the Active column:

- Yellow = active
- Grey = inactive

To activate or deactivate an option in the code table:

1. On the code table page, locate the option that you want to activate or deactivate.
2. In the Active column, click the check mark. The check mark in the Active column indicates the new status.

The option status is changed from active to inactive, or from inactive to active.

Changing the Display Order

Administrators can change the order in which options are displayed to staff users on configuration pages.

To change the display order:

1. On the code table page, in the Display Order column, use the up and down arrows to change the display order.
2. Click Save.

The options are now displayed in the newly defined order.

Deleting an Option

Administrators can delete options from a code table. After deleting an option, it is no longer available on configuration pages.

To delete an option:

1. On the code table page, locate the option you want to delete and click Delete. The confirmation window is displayed.
2. Click OK.

The option is removed from the code table and is no longer displayed on configuration pages.

Working with Mapping Tables

Mapping tables enable Administrators to control the connections between entities in the Rosetta system. Like code tables, mapping tables are grouped into subsystems, as described in [Working with Code Tables](#). Mapping tables can be edited (see [Editing Mapping Tables](#)).

Administrators can access the list of all mapping tables stored in the Rosetta system during advanced configuration, using the All Mapping Tables page. In addition, this page enables Administrators to access specific mapping tables.



Table Name	Sub System	Description	Updated By		
1 3A View	Common	STAGING	Define the view types in the combo	By Ex Libris (Service...	Edit
2 Birt Man	Data Model	INFRA	Sub-groups for editable configuration files	By John Smith	Edit
3 CUI Build	Deposit	CSV_LOADER	Metadata structure for depositing into Rosetta via CSV	By Ex Libris (Service...	Edit
4 Deposit F	Events	PRODUCER_MANAGEMENT	Registration Rules	By Ex Libris (Service...	Edit
5 Display U	Format Library	USER_MANAGEMENT	Display User Name	By Ex Libris (Service...	Edit
6 Event Ma	Infra	EVENTS	Define to each event indicators - Audit and/or Statistic	By Ex Libris (Service...	Edit
7 Event Pri	Infra	EVENTS	Define to each event, Provenance indicator	By Ex Libris (Service...	Edit
8 General F	Material Flow Management	PRODUCER_MANAGEMENT	General parameters	By Ex Libris (Service...	Edit
9 Handle P		PI	Handle PI Creation	By Ex Libris (Service...	Edit
10 Handle PI Publishing - Public/Private Key		PI	Handle PI Publishing - Public/Private Key	By Ex Libris (Service...	Edit
11 Handle PI Publishing - Secret Key		PI	Handle PI Publishing - Secret Key	By Ex Libris (Service...	Edit
12 Homepage Bulletin		MENU	Homepage Bulletin	By Ex Libris (Service...	Edit
13 IP Webservice Restriction		INFRA	IP Webservice Restriction	By Ex Libris (Service...	Edit
14 List Of Servers		COMMON	List Of Servers	By Ex Libris (Service...	Edit
15 Paintings		CSV_LOADER	Paintings	By Ex Libris (Service...	Edit
16 Paintings1		CSV_LOADER	Paintings1	By Ex Libris (Service...	Edit
17 Preservation Properties		PRESERVATION	Preservation Properties	By Ex Libris (Service...	Edit
18 Remote Instances for Reports		USER_MANAGEMENT	Remote Instances for Reports	By Ex Libris (Service...	Edit
19 Research Data		CSV_LOADER	Research Data	By Ex Libris (Service...	Edit
20 Research Data		CSV_LOADER	Research Data	By Ex Libris (Service...	Edit

All Mapping Tables Page

Editing Mapping Tables

The All Mapping Tables page enables Administrators to open mapping tables for editing.

To open a mapping table for editing:

On the All Mapping Tables page, locate the mapping table you want to edit and click Edit. The page containing entries of the selected mapping table is displayed.

type	worker	file_ext	params_pattern	event_id	name	Description
external_program	nut_jpg_thumbnail	pdf	!colorspace RGB -resize 150x15!	182	pdf_thumbnail	
external_program	nut_jpg_med_res	jpg	!1 -colorspace RGB -resize 100!	188	nut_jpg_med_res	
external_program	nut_jpg_med_copy	jpg	!compress JPEG -quality 10 -col!	188	nut_jpg	
external_program	nut_jpg_driver	jpg	!1 -!2	188	nut_jpg2	
external_program	nut_jpg_med_copy	jpg	!colorspace RGB -resize 1000x1!	188	nut_jpg_med_copy	
external_program	nut_jpg_driver_thumb	jpg	!1 -!colorspace RGB -resize 100!	182	nut_thumbnail	
external_program	nut_jpg_thumbnail	png	!quiet -colorspace RGB -resize 1!	182	png_thumbnail	
external_program	nut_jpg_thumbnail	jpg	!colorspace RGB -resize 200x20!	182	jpg_thumbnail	generate thumbnails from image files end!jpg
external_program	nut_jpg_med_copy	jpg	!colorspace RGB -resize 500x50!	188	nut_jpg_med_res	

Mapping Table Example - Stream Handlers Mapping Table

Parameters to be provided can vary depending on the mapping table. However, the process of adding and deleting entries is identical for all mapping tables. The following actions can be performed from any mapping table:

- [Adding an Entry to a Mapping Table](#)
- [Deleting an Entry from a Mapping Table](#)

Adding an Entry to a Mapping Table

Administrators can add a new entry to a mapping table in order to define the connection between entities in the Rosetta system.

To add an entry to a mapping table:

1. On the All Mapping Tables page, locate the mapping table to which you want to add an entry and click Edit. The page containing entries of the selected mapping table is displayed.
2. Under Create a New Mapping Row, provide the requested information.



3. Click Save. The new entry is added to the table.

The Rosetta system can now use the new entry as defined.

Deleting an Entry from a Mapping Table

Administrators can delete an entry from a mapping table when the connection between entities is no longer required. To delete an entry from a mapping table:

1. On the All Mapping Tables page, locate the mapping table from which you want to delete an entry and click Edit.
The page containing the entries of the selected mapping table opens.
2. Locate the entry you want to delete and click Delete.

The entry is removed from the mapping table. The Rosetta system can no longer use the deleted entities.

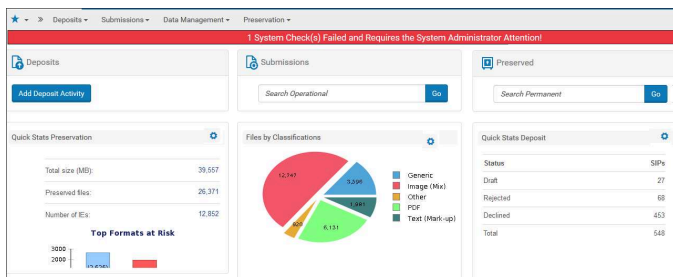
System Checks

Rosetta performs the following system checks on start-up:

- Web services – Operability of Deposit, Delivery, Repository, and Permanent Web services in this environment
- PDS – Communication with PDS
- Plug-ins – Access to the plug-ins directory (to make sure that Rosetta has access to all plug-ins)
- Shared folders – Access to and available space in the operational_shared and delivery_shared folders
- Storage – Access to and available space in operational and permanent storage.
- Tablespace – the Oracle Tablespace Utilization Checker startup plugin checks that there is enough tablespace in the database

Rosetta may also perform these checks during ongoing sessions. See the System Administration Guide for details about their configuration.)

A serious failure for any of these checks results in a red error bar when the user logs on to the system.



System Check Failure Warning

To view the details of the errors, from the Advanced Configuration page, go to General > System Checks. The System Checks page displays all of the errors identified by the system during start-up.

Name	Host	Role	Message	Severity	Time	Ignore Once	Ignore Permanently
1 StartUp-PluginChecker	49ad22.cory.exlibrisgroup.com	DEPRESEDEL_PERUDX	The script plugin: storage_migration, version: 1.0 was not deployed to the database.	ERROR	06/05/2021 00:00:00	Ignore Once	Ignore Permanently

System Checks Page

The following information is included in the error table: name of the system check, host, role, a message about the error(s), the error's severity, and the time the error occurred.



Errors with the severity of FATAL cause the initial red bar at login. Other errors may allow you to carry out your work, although it is advisable to fix them.

Actions that can be taken from the System Checks page are:

- Run – Perform the check again
- Ignore Once – The problem is ignored once (entry is deleted from the database)
- Ignore Permanently – The check is removed from the list of checks

For more information on the configuration of the checks job, see the System Administration Guide.



Appendix A - Rosetta Code Tables

Rosetta Code Tables

Rosetta code tables can be accessed from System Configuration > General > Code Tables. This path brings you to the Code Tables List (below).

Table No	Sub-System	Description	Updated By
1	3A View	STAGING	Define the view types in the combo Labels
2	Access	METADATA_EDITOR	Add To Access Rights Copyrights
3	Access	METADATA_EDITOR	Add To Access Rights Key
4	Actions	MENU	Actions By Menu Labels
5	Advanced	SET_MANAGEMENT	Advanced Search List Filter Codes
6	ApplicationLibrary	FORMAT_LIBRARY	ApplicationLibrary Adoption
7	ApplicationLibrary	FORMAT_LIBRARY	ApplicationLibrary DevelopmentModel
8	ApplicationLibrary	FORMAT_LIBRARY	ApplicationLibrary DocumentationsAvailability
9	ApplicationLibrary	FORMAT_LIBRARY	ApplicationLibrary DocumentationsQuality
10	ApplicationLibrary	FORMAT_LIBRARY	ApplicationLibrary Flexibility
11	ApplicationLibrary	FORMAT_LIBRARY	ApplicationLibrary Stability
12	Bart Formats	COMMON	Bart Formats
13	Casual User Mandatory Fields	USER_MANAGEMENT	User Mandatory Fields - Casual
14	CodeTable	USER_MANAGEMENT	CodeTable
15	Collection Task Separators	INFRA	Separators for Assign/CollectorsByDCtask
16	Content Structure Filter	MATERIAL_FLOW_MANAGEMENT	Content Structure Filters
17	Content Structure Types	MATERIAL_FLOW_MANAGEMENT	Content Structure Types
18	Content Structure Status	MATERIAL_FLOW_MANAGEMENT	Content Structure Status
19	Content Structure Stream Source	MATERIAL_FLOW_MANAGEMENT	Content Structure Stream Source
20	Copyright Status	METADATA_EDITOR	Copyrights Status
21	Coop Software Initial	PRESERVATION_EVALUATION	Plan List Search By Codes
22	Country Codes	COMMON	Country Codes
23	Delete IE Reasons	METADATA_EDITOR	Delete IE Reasons
24	Dependency Identifier Type	METADATA_EDITOR	Dependency Identifier Type
25	Deposit Auto Reject Reason	DEPOSIT	Deposit Auto Reject Reason Codes
26	Edit File Group Labels	INFRA	Groups for editable configuration files Labels
27	Edit File Sub-Group Labels	INFRA	Subgroups for editable configuration files Labels
28	Edit Shared Metadata Permissions	USER_MANAGEMENT	Metadata Type Options
29	Evaluation Criteria Importance	PRESERVATION_EVALUATION	
30	Evaluation Criteria Test	PRESERVATION_EVALUATION	Test

Code Tables List

You can view all the code tables alphabetically or you can filter by sub-system (using the drop-down menu). You can also sort by one of the red bold headings.

For information on how to perform procedures related to code tables, see [Working with Code Tables](#).

The following table lists each code table with a brief description of its contents.

List of Code Tables

DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
ApplicationLibrary.Adoption	List of possible values that the user can select from, when estimating level of Adoption for each application in the application library	FORMAT_LIBRARY
ApplicationLibrary.DevelopmentModel	List of possible values that the user can select from, when describing development level for each	FORMAT_LIBRARY



DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
	application in the application library	
ApplicationLibrary.DocumentationAvailability	List of possible values that the user can select from, when describing the documentation availability for each application in the application library	FORMAT_LIBRARY
ApplicationLibrary.DocumentationQuality	List of possible values that the user can select from, when describing the documentation quality for each application in the application library	FORMAT_LIBRARY
ApplicationLibrary.Flexibility	List of possible values that the user can select from, when describing the flexibility level for each application in the application library	FORMAT_LIBRARY
ApplicationLibrary.Stability	List of possible values that the user can select from, when describing the stability level for each application in the application library	FORMAT_LIBRARY
Approval Group	List of Approval Group codes and descriptions.	STAGING
Country Codes	List of Country Codes that user can select from when editing the user details form.	COMMON
Delete IE Reasons	The list of possible reasons for deleting an IE.	METADATA_EDITOR
Fixity Type	The list of fixity types available for conducting fixity checks.	METADATA_EDITOR
FormatLibrary.Adoption	List of possible values that the user can select from, when estimating level of Adoption for each format in the format library	FORMAT_LIBRARY
FormatLibrary.BaseFormat	List of possible values that the user can select from, when describing how basic the format is in regards to being rendered by most applications	FORMAT_LIBRARY
FormatLibrary.DocumentationAvailability	List of possible values that the user can select from, when describing	FORMAT_LIBRARY



DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
	the documentation availability for each format in the format library	
FormatLibrary.DocumentationQuality	List of possible values that the user can select from, when describing the documentation quality for each format in the format library	FORMAT_LIBRARY
FormatLibrary.FormatStability	List of possible values that the user can select from, when describing the stability level for each format in the format library	FORMAT_LIBRARY
FormatLibrary.Standardisation	List of possible values that the user can select from, when describing the standardization level for each format in the format library	FORMAT_LIBRARY
IE Entity Type	List of possible IE Entity Types. (e.g. Digitized book, movie, audio etc.)	DATA_MODEL
Material Type	List of possible Material Types. These values are used for logical grouping of Material Flows.	PRODUCER_MANAGEMENT
Metadata Form - User Defined Lookup - 1	List of possible values that the producer agent can select from when populating a Metadata Form Field.	METADATA_FORM
Metadata Form - User Defined Lookup - 2	List of possible values that the Producer Agent can select from when populating a Metadata Form Field.	METADATA_FORM
Organization Mandatory Fields	List of Mandatory Fields for Organization Users (e.g. First name, last name, telephone number)	USER_MANAGEMENT
Preservation Type	List of possible values for the Preservation Type field of the representation.	COMMON
Producer Classifications	List of possible Producer Classifications for grouping Producers.	PRODUCER_MANAGEMENT



DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
Producer Group	List of possible Producer Groups for grouping Producers and Negotiators.	PRODUCER_MANAGEMENT
Producer Local Field 1	Text field that can be added to the Producer Form for holding more details.	PRODUCER_MANAGEMENT
Producer Local Field 2	Text field that can be added to the Producer Form for holding more details.	PRODUCER_MANAGEMENT
Producer Mandatory Fields	List of mandatory fields for the Producer record (e.g. Authoritative name)	PRODUCER_MANAGEMENT
Registration Reason	List of reasons that a self registering user can choose from when he fills the registration form. The system selects the matching Producer Group based on the user's selection.	PRODUCER_MANAGEMENT
Restore IE Reasons	List of possible reasons for describing why an IE should be restored and not deleted.	METADATA_EDITOR
Sip Action Reason	List of reasons for rejecting or declining SIPs or IEs that can be selected by the staff members (e.g. Assessor, Approver etc.)	STAGING
Staff User Mandatory Fields	List of mandatory fields for staff users (e.g. First name, last name, telephone number)	USER_MANAGEMENT
Systems	List of external systems with mapping for CMS system code and description.	METADATA_EDITOR
UIMessages	Configure the messages in the UI.	All
User Language	List of Languages that the system can be translated to.	USER_MANAGEMENT
User Mandatory Fields	List of Mandatory Fields for the User record (e.g. First name, last name)	USER_MANAGEMENT



DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
Validation Profile List	List of Descriptive MD Validation Profiles	COMMON

- File extensions and mime types are managed through the Format Library. Each format has associated file extensions and mime types, and the system presents them as a list when needed.
- File extensions are listed when a user is configuring submission formats or using the Search UI.
- A list of mime types is displayed as part of the Search UI.



Appendix B - Rosetta Mapping Tables

Rosetta Mapping Tables

Rosetta mapping tables can be accessed from Advanced Configuration > General > All Mapping Tables. This path brings you to the Mapping Tables List.

Table Name	Sub System	Description	Updated By
1 3A View	STAGING	Define the view types in the combo	By Ex Libris (Service... Edit
2 Birt Man	INFRA	Sub-groups for editable configuration files	By John Smith Edit
3 CU Bould	CSV_LOADER	Metadata structure for depositing into Rosetta via CSV	By Ex Libris (Service... Edit
4 Deposit	PRODUCER_MANAGEMENT	Registration Rules	By Ex Libris (Service... Edit
5 Display U	USER_MANAGEMENT	Display User Name	By Ex Libris (Service... Edit
6 Event Ma	EVENTS	Define to each event indicators - Audit and/or Statistic	By Ex Libris (Service... Edit
7 Event Pr	EVENTS	Define to each event indicators - Audit and/or Statistic	By Ex Libris (Service... Edit
8 General F	PRODUCER_MANAGEMENT	General parameters	By Ex Libris (Service... Edit
9 Handle P	PI	Handle PI Creation	By Ex Libris (Service... Edit
10 Handle P	PI	Handle PI Publishing - Public/Private Key	By Ex Libris (Service... Edit
11 Handle P	PI	Handle PI Publishing - Secret Key	By Ex Libris (Service... Edit
12 Homepage Bulletin	MENU	Homepage Bulletin	By Ex Libris (Service... Edit
13 IP WebService Restriction	INFRA	IP WebService Restriction	By Ex Libris (Service... Edit
14 List Of Servers	COMMON	List Of Servers	By Ex Libris (Service... Edit
15 Paintings	CSV_LOADER	Paintings	By Ex Libris (Service... Edit
16 Paintings1	CSV_LOADER	Paintings1	By Ex Libris (Service... Edit
17 Preservation Properties	PRESERVATION	Preservation Properties	By Ex Libris (Service... Edit
18 Remote Instances For Reports	USER_MANAGEMENT	Remote Instances For Reports	By Ex Libris (Service... Edit
19 Research Data	CSV_LOADER	Research Data	By Ex Libris (Service... Edit
20 Research Data	CSV_LOADER	Research Data	By Ex Libris (Service... Edit

Mapping Tables List

You can view all the mapping tables alphabetically, you can filter by sub-system (using the drop-down menu), or you can sort by one of the red bold headings.

For information on how to perform procedures related to mapping tables, see [Working with Mapping Tables](#).

The following table lists each mapping table with a brief description of its contents.

List of Mapping Tables

DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
3A View Type List	Define the view types in the combo	STAGING
Birt Management Reports	This table defines how reports appear in the user interface.	INFRA
Display User Name	This table determines the appearance order of the first name and last name in the different user types.	USER_MANAGEMENT
Event Management	List of all system events with the indications whether it is Audit and/or Statistic events.	EVENTS
Event Provenance	This table shows the list of events that are indicated as Provenance Events. To remove an event from being a Provenance Event, set the Provenance Indicator column of the event to N.	EVENTS



DISPLAY_TABLE_NAME	DESCRIPTION	SUB_SYSTEM
General Parameters	General parameters	PRODUCER_MANAGEMENT
Handle PI Creation	This table holds the parameters for the PI creation (e.g. PI Prefix)	PI
Handle PI Publishing - Public/Private Key	This table holds the parameter for the Handle PI Publishing - for records that have Public or Private Key	PI
Handle PI Publishing - Secret Key	This table holds the parameter for the Handle PI Publishing - for records that have Secret Key	PI
Homepage Bulletin	This table holds the text that can be shown in the Home page, on top of the links to the management areas.	MENU
IP WebService Restriction	This table holds the mapping between list of web services and IP ranges where these web services are restricted.	INFRA
List Of Servers	This table holds the different servers of the system and their paths.	COMMON
Metadata Type	This table holds the SourceMD metadata type. To exclude source metadata from indexing, enter N in the Indexing column.	USER_MANAGEMENT
Other Source Metadata Subtype	List of possible subtype values that the user can specify when using source metadata of type OTHER. Enter N in the Indexing column to exclude the metadata from indexing.	DATA_MODEL
Preservation Properties	This table holds the list of fields that are part of the Descriptor file, used for external preservation alternatives.	PRESERVATION
Role Quick Links	This table allows users to hide or customize the labels of items in the Quick Launch Menu.	MENU
Stream Handler Util	This table holds the mapping between the command names of the Utilities used for file conversion and their specific parameters.	STAGING
Technical Metadata Extraction Adaptors	This table holds the list of the different adapters of the MD Extractors	DEPOSIT
User History Event List	This table holds the list of events that are displayed to the Producer Agent in the Deposit work area.	EVENTS



Appendix C - Events

Events

The following table describes events in Rosetta. The following types of events are possible:

- Provenance Event – an action that involves at least one object in the repository. Its details are stored in the object's DNX.
- Audit Event – an event that is stored as a discrete entry in an audit event table and can be accessed through reports.
- Statistic Event – an event that is added to a calculated aggregate of events over a period of time, used for determining event measures (such as average or number).

If a validation event outcome is identical to a previous event outcome, the outcome is not listed in the dnx. Note that in a case of a validation software upgrade, a plugin version update, and changing tools, the validation event is listed, even if the outcome is the same as the previous event.

Events

ID	Description	Provenance	Audit	Statistic
1	User authenticated/successful login	N	N	N
2	Create Deposit Activity	N	N	N
3	Save Deposit Activity	N	N	N
4	Delete Deposit Activity	N	N	N
5	Submit Deposit Activity	N	Y	Y
6	Request SIP ID for Deposit Activity	N	N	N
7	Generate SIP ID	N	Y	Y
8	Upload of file(s)	N	N	N
9	Started Acquiring Content	N	N	N
10	Finished Acquiring Content	N	N	N
11	Started converting SIP contents to METS	N	N	N



ID	Description	Provenance	Audit	Statistic
12	Finished converting SIP contents to METS	N	N	N
13	Started sanity check of SIP contents	N	N	N
14	Finished sanity check of SIP contents	N	N	N
16	Started wrapping SIP for submission to Staging Server	N	N	N
17	Finished wrapping SIP for submission to Staging Server	N	N	N
18	SIP submitted to Staging Server	N	Y	Y
19	Started converting SIP to AIPs	N	N	N
20	Finished converting SIP to AIPs	N	N	N
21	Created Repository Object	Y	N	N
23	Started Validation Stack Stage	N	N	N
24	Virus check performed on file	Y	N	N
25	Format Identification performed on file	Y	N	N
27	Fixity check performed on file	Y	Y	Y
28	Processing configuration has been determined for the SIP	N	N	N
29	SIP started Technical Analyst stage	N	N	N
30	Technical Analyst - Re-perform Validation Stack	Y	N	N
31	Technical Analyst - Reject File	Y	Y	Y
32	Technical Analyst - Decline File	Y	Y	Y
33	Technical Analyst - Decline SIP	N	Y	Y
34	Technical Analyst - Reject SIP	N	Y	Y
35	Technical Analyst - Move SIP to Next Step	Y	Y	Y
36	Technical Analyst - Quarantine SIP	N	N	N
37	Technical Analyst - Forward SIP	N	N	N
38	Manually Set Format Library ID on File	Y	Y	Y



ID	Description	Provenance	Audit	Statistic
39	Download File	N	Y	Y
40	Upload and Replace File	Y	Y	Y
41	SIP completed Technical Analyst stage	N	N	N
42	SIP started Assessor stage	N	N	N
43	Assessor - Reject IE	Y	Y	Y
44	Assessor - Decline IE	Y	Y	Y
45	Assessor - Decline SIP	N	Y	Y
46	Assessor - Reject SIP	N	Y	Y
47	SIP completed Assessor stage	N	N	N
48	Assessor - Approve SIP	Y	Y	N
49	SIP started Approver stage	N	N	N
50	Approver - Decline SIP	N	Y	Y
52	Approver - Reject SIP	N	Y	Y
54	Approver - Move to next step SIP	Y	Y	N
55	SIP completed Approver stage	N	N	N
56	SIP started Arranger stage	N	N	N
57	SIP completed Arranger stage	N	N	N
58	Arranger - Reject SIP	N	Y	Y
59	Arranger - Approve SIP	Y	N	N
62	Assign CMS ID to IE	Y	N	N
63	SIP started enrichment stage	N	Y	Y
64	SIP encountered error in enrichment stage	N	Y	Y
65	System generated a new representation	N	N	N
66	System generated external unique identifier	Y	Y	Y



ID	Description	Provenance	Audit	Statistic
67	System generated thumbnails	N	N	N
68	System started moving SIP content to permanent repository	N	Y	Y
71	Perform file validation checks on permanent repository	N	N	N
72	System finished moving SIP content to permanent repository	Y	Y	Y
73	Generic metadata form record created	N	N	N
74	Generic metadata form record updated	N	N	N
75	Generic metadata form record deleted	N	N	N
76	Personalized metadata form record created	N	N	N
77	Personalized metadata form record updated	N	N	N
78	Personalized metadata form record deleted	N	N	N
79	Code/Mapping/File/GenParam entry was created	N	N	N
80	Code/Mapping/File/GenParam entry was updated	N	N	N
81	Code/Mapping/File/GenParam entry was deleted	N	N	N
82	Generic submission format record created	N	N	N
83	Generic submission format record updated	N	N	N
84	Generic submission format record deleted	N	N	N
85	Content structure template record created	N	N	N
86	Content structure template record updated	N	N	N
87	Content structure template record deleted	N	N	N
88	Personalized submission format record created	N	N	N
89	Personalized submission format record updated	N	N	N
90	Personalized submission format record deleted	N	N	N
91	Generic Material flow record created	N	N	N
92	Generic Material flow record updated	N	N	N



ID	Description	Provenance	Audit	Statistic
93	Generic Material flow record activated/ deactivated	N	N	N
94	Generic Material flow record deleted	N	N	N
95	Generic Material Flow associated with Generic Producer	N	N	N
96	Generic Material Flow removed from Generic Producer	N	N	N
97	Personalized Material flow record created	N	N	N
98	Personalized Material flow record updated	N	N	N
99	Personalized Material flow record activated/ deactivated	N	N	N
100	Personalized Material flow record deleted	N	N	N
101	Generic Material Flow associated with Personalized Producer Profile	N	N	N
102	Generic Material Flow removed from Personalized Producer Profile	N	N	N
103	User record created	N	Y	Y
104	Contact user record created	N	Y	Y
105	Role Profile created	N	N	N
106	Role Profile deleted	N	N	N
107	Role Profile updated	N	N	N
108	Role Profile status changed from/to	N	N	N
109	Role Profile parameters updated from/to	N	N	N
110	User record updated	N	N	N
111	Primary Contact applied	N	N	N
113	User record deleted	N	Y	Y
115	Organization user record deleted	N	N	N
117	User record deletion blocked	N	N	N
119	Cannot Restore Child IE Relationships	Y	Y	N
120	Add representation	Y	N	N



ID	Description	Provenance	Audit	Statistic
121	Add Child IEs	Y	Y	Y
122	Remove Child IEs	Y	Y	Y
123	Reorder Child IEs	Y	Y	Y
124	Derive representation	Y	N	N
125	Add Metadata	Y	N	N
126	Edit (jump to editor, into control/streamref/md/des tabs)	N	N	N
127	Export object	N	N	N
128	Download file	N	N	N
130	Object's Metadata Record Modified	Y	N	N
138	Add representation	N	Y	Y
139	Download stream	N	N	N
144	Converted METS to IE	N	N	N
145	Started Loading IE	N	N	N
146	Finished Loading IE	N	N	N
147	Arranger - Decline IE	Y	Y	Y
148	Arranger - Reject IE	Y	Y	Y
149	Assessor - Assign CMS ID to IE	Y	N	N
150	Set created	N	N	N
151	Set deleted	N	N	N
154	Search is being processed	N	N	N
155	Set updated	N	N	N
156	Producer Agent has been applied	N	Y	Y
157	Producer Agent has been approved by Negotiator	N	N	N
158	Producer Agent's Status has been changed by Negotiator	N	N	N



ID	Description	Provenance	Audit	Statistic
159	Producer Agent's has been removed	N	N	N
160	Object is being viewed	N	Y	Y
161	Representation deleted	Y	N	N
162	Object's Metadata Record Deleted	Y	N	N
163	Object is being processed for viewing	N	Y	Y
164	Object viewing is denied due to Access Rights restrictions	N	Y	Y
165	Technical Metadata extraction performed on file	Y	N	N
166	Completed Validation Stack Stage	N	Y	Y
167	Metadata enrichment (CMS fetching)	N	N	N
168	Object indexing	N	N	N
169	User is not authorized to log in to system	N	N	N
170	Upload file	Y	N	N
171	Assign SIP	N	N	N
172	Process Automation task result	N	N	N
173	Process Automation evaluation result	N	N	N
174	Process Ended BULK creation	N	Y	N
175	Worker Started Processing Bulk	N	Y	N
176	Worker Ended Processing Bulk	N	Y	N
177	Watchdog restarted worker	N	Y	N
178	Process Automation Monitor changed Bulk status	N	Y	N
179	Format Validation performed on file	Y	N	N
180	Virus Check	Y	Y	N
181	Format ID and Extraction	Y	Y	N
182	Thumbnail	N	Y	N



ID	Description	Provenance	Audit	Statistic
183	Persistent ID generation	Y	Y	N
184	Persistent ID publishing	N	Y	N
185	Export	N	Y	N
186	Publishing	N	Y	N
187	Delete IE/Rep	N	Y	Y
188	Derivative Copy Creation	N	N	N
189	Metadata Enrichment	Y	Y	N
190	Metadata Validation	N	N	N
191	Assign AR Policy	Y	Y	N
192	Create Search Indexes	N	Y	N
194	Create new process	N	Y	N
195	Delete process	N	Y	N
196	Update Process	N	Y	N
197	Rerun Process	N	Y	N
198	Automatically Set Format Library ID on File	Y	N	N
199	Automatically Ignore Error	Y	N	N
200	Process Started Execution	N	Y	N
201	Manually Ignore Error	Y	Y	N
202	Process Started BULK creation	N	Y	N
203	Manually ignore validation error (Add Representation)	Y	Y	Y
204	Automatically ignore validation error	Y	Y	Y
205	Manually ignore validation error	Y	Y	Y
206	Add note to SIP	N	N	N
207	Process Automation framework result	N	N	N



ID	Description	Provenance	Audit	Statistic
208	Arranger - Decline SIP	N	Y	Y
209	Assessor - Forward SIP	N	N	N
210	Process Ended Execution	N	Y	N
211	Object has been locked	Y	N	N
212	Object has been rolled back	Y	Y	Y
213	Object has been committed	Y	Y	Y
214	Commit/Rollback error	N	Y	Y
215	SIP moved between stages	N	N	N
216	Started MD Validation Stage	N	N	N
217	Failed MD Validation Stage	N	Y	N
218	Completed MD Validation Stage	N	Y	N
271	Email sent to user	N	Y	N
272	IE has been deleted	N	N	N
273	IE has been recovered	N	N	N
274	IE has been purged	Y	N	N
275	IE has been restored	N	N	N
276	IE has been split	N	Y	Y
277	IE has been merged	N	Y	Y
300	Processing Add Representation	N	Y	Y
302	Add Representation failed	N	Y	Y
303	Add Representation Unknown Property	N	Y	Y
313	ByteStream container extraction	N	Y	Y
317	BitStream technical metadata extraction	N	Y	Y
318	BitStream format validation	Y	Y	Y



ID	Description	Provenance	Audit	Statistic
319	BitStream virus check	N	Y	Y
320	BitStream format validator not defined (Error)	Y	Y	Y
333	The System finished moving the IE to the permanent Repository	Y	Y	Y
338	Assign plan evaluator	N	Y	N
339	Preservation plan has been created	N	Y	N
340	Preservation plan has been edited	N	Y	N
341	Preservation plan has been deleted	N	Y	N
342	Plan alternative has been created	N	Y	N
343	Plan alternative has been edited	N	Y	N
344	Plan alternative has been deleted	N	Y	N
345	Plan has been signed off on	N	Y	N
346	Plan status has been changed	N	Y	N
347	Alternative test has been launched	N	Y	N
348	Plan execution has been scheduled	N	Y	N
349	Preservation Plan Execution result	N	Y	N
350	Process Ended block creation	N	Y	N
355	Representation was added by preservation plan execution	Y	Y	N
356	Started Converting Rep	N	Y	N
357	Finished Converting Rep	N	Y	N
358	Started Loading Rep	N	Y	N
359	Finished Loading Rep	N	Y	N
360	Started Enrichment Stack Stage for block	N	Y	N
361	Completed Enrichment Stack Stage for block	N	Y	N
367	Technical Analyst - Skipped Files	N	Y	N



ID	Description	Provenance	Audit	Statistic
368	Technical Analyst - Abort Block	N	Y	N
369	Technical Analyst -Rerun Conversion	N	Y	N
370	Technical Analyst -Rerun Loading	N	Y	N
372	Manually Set Format Library ID on File	N	Y	N
373	Manually Set Format Library ID on File	Y	Y	N
374	Evaluator - Manual evaluation of Rep	N	Y	N
375	Evaluator - Complete evaluation	N	Y	N
376	Add note to block	N	Y	N
378	Manually Ignore Error	N	Y	N
379	Rip Moved Between Stages	N	N	N
380	Representation has been added	Y	Y	Y
381	Risk identification performed on file	Y	N	N
382	Permanent failed processing work	N	Y	Y
383	Permanent checksum failed	N	Y	Y
384	Resubmit Deposit	N	Y	Y
385	Upload and Replace File by Producer Agent	Y	Y	Y
386	Request_NLB_PID	Y	Y	Y
387	Recieve_NLB_PID	Y	Y	Y
388	File Original Path has been changed	Y	N	N
389	BitStream risk extraction	N	Y	Y
390	BitStream file identification	N	Y	Y
391	BitStream file identification zero results	N	Y	Y
392	BitStream file identification multiple results	N	Y	Y
393	BitStream technical metadata extractor not defined	N	Y	Y



ID	Description	Provenance	Audit	Statistic
396	Manually Ignore Error	Y	Y	N
397	METS Validation Failed	N	Y	Y
398	Collection has been created	N	Y	Y
399	Collection has been updated	N	Y	Y
400	Collection has been deleted	N	Y	Y
401	IE has been added to collection	Y	Y	Y
402	IE has been removed from collection	N	Y	Y
403	Manually ignore file extension mismatch	Y	Y	Y
404	Automatically ignore file extension mismatch	Y	Y	Y
405	Manually ignore file md error	Y	Y	Y
406	Automatically ignore file md error	Y	Y	Y
407	Manually ignore file extension mismatch	Y	Y	Y
408	Manually ignore file md error	Y	Y	Y
409	Assign Retention Policy	Y	Y	Y
410	Unassign Retention Policy	Y	Y	Y
411	Collection has been created by API	N	Y	Y
412	Collection has been updated by API	N	Y	Y
413	Collection has been deleted by API	N	Y	Y
414	Representation metadata has been updated	Y	Y	Y
415	An AR policy has been removed from an object	Y	Y	N
416	The IE had been moved to another Institution/Department	Y	Y	Y
417	The Representation has been updated	Y	Y	Y
418	Collection has been published	N	Y	Y
419	Collection has been unpublished	N	Y	Y



ID	Description	Provenance	Audit	Statistic
420	Unassign CMS	Y	Y	Y
424	DNX xsd validation succeeded	N	Y	N
425	DNX xsd validation failed	N	Y	N

