



## Rosetta 5.5 Highlights

April 2018

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# 1

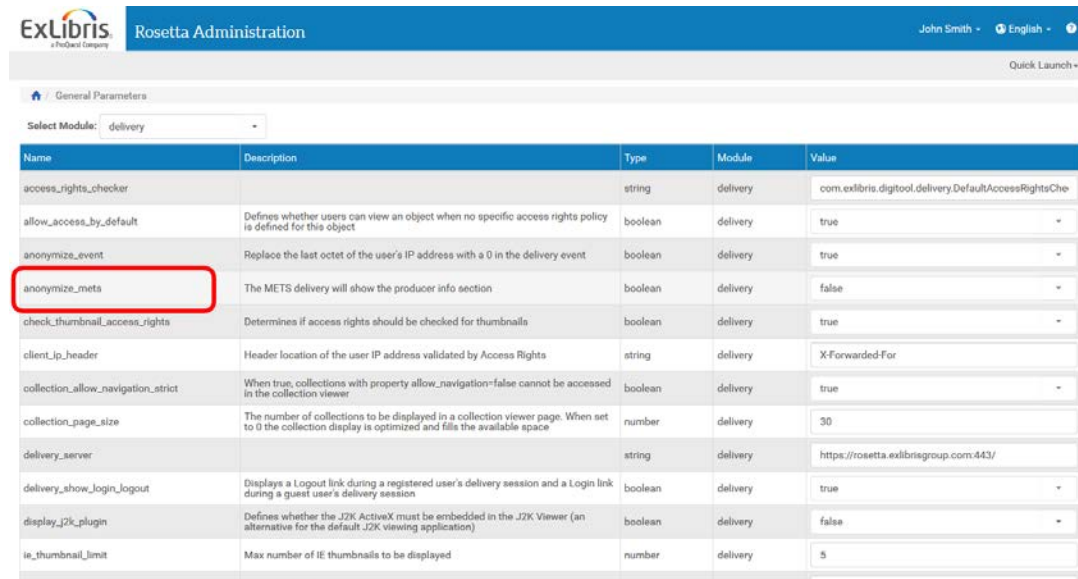
## Infrastructure

### 1.1 Upgrade Tomcat to v8.5

Tomcat was upgraded to version 8.5 as part of the constant effort of keeping Rosetta up-to-date with the latest SW versions.

### 1.2 GDPR Compliance – Anonymize Delivered Data

As part of Rosetta's compliance with global data protection policies, specifically GDPR, all data which is accessible by non-staff members can be anonymized. A Delivery General Parameter 'anonymize\_mets' was added, allowing institutions to define whether the 'producer' and 'produceragent' sections will be returned in the METS that is returned by delivery requests with parameter 'dps\_func=mets'.



The screenshot shows the Rosetta Administration interface. The top navigation bar includes the ExLibris logo, the text 'Rosetta Administration', and user information 'John Smith' with a language dropdown set to 'English'. Below the navigation bar, there is a breadcrumb trail 'Home / General Parameters' and a 'Select Module:' dropdown menu currently set to 'delivery'. The main content area displays a table of parameters. The 'anonymize\_mets' row is highlighted with a red rectangle. The table has five columns: Name, Description, Type, Module, and Value.

Name	Description	Type	Module	Value
access_rights_checker		string	delivery	com.exlibris.digitool.delivery.DefaultAccessRightsChe
allow_access_by_default	Defines whether users can view an object when no specific access rights policy is defined for this object	boolean	delivery	true
anonymize_event	Replace the last octet of the user's IP address with a 0 in the delivery event	boolean	delivery	true
anonymize_mets	The METS delivery will show the producer info section	boolean	delivery	false
check_thumbnail_access_rights	Determines if access rights should be checked for thumbnails	boolean	delivery	true
client_ip_header	Header location of the user IP address validated by Access Rights	string	delivery	X-Forwarded-For
collection_allow_navigation_strict	When true, collections with property allow_navigation=false cannot be accessed in the collection viewer	boolean	delivery	true
collection_page_size	The number of collections to be displayed in a collection viewer page. When set to 0 the collection display is optimized and fills the available space	number	delivery	30
delivery_server		string	delivery	https://rosetta.exlibrisgroup.com:443/
delivery_show_login_logout	Displays a Logout link during a registered user's delivery session and a Login link during a guest user's delivery session	boolean	delivery	true
display_j2k_plugin	Defines whether the J2K ActiveX must be embedded in the J2K Viewer (an alternative for the default J2K viewing application)	boolean	delivery	false
ie_thumbnail_limit	Max number of IE thumbnails to be displayed	number	delivery	5

Figure 1: anonymize\_mets parameter

# 2

## Preservation

### 2.1 Improved Custom Fixity

Custom fixity can now be deposited as part of a CSV and BagIt, in addition to existing METS deposit. In order to use custom fixity, customers can add a record to the "fixityType" code table, mapping the fixity algorithm to custom fixity plugin name. The custom fixity types are searchable and available in "Checksum" and "Add Representation Checksum" tasks.

The custom fixity value is also supported by the "Find Duplicates" job.

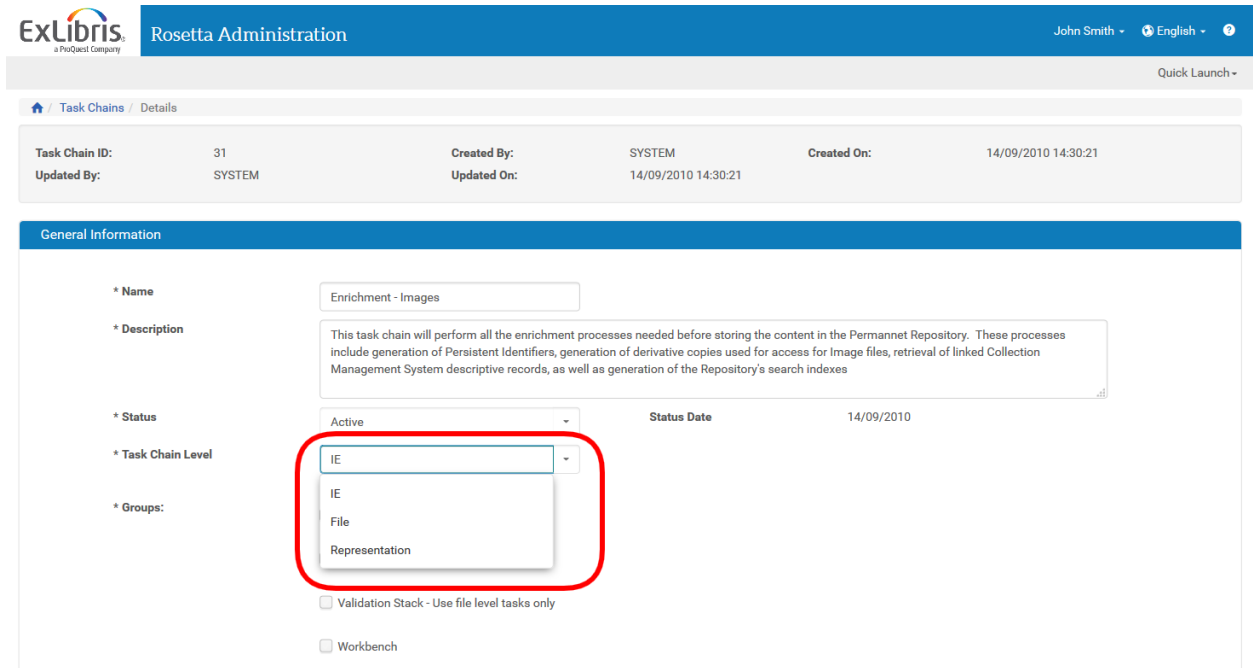
The screenshot displays the 'Rosetta Administration' interface for 'Code Tables / Details'. The 'Table Name' is set to 'Fixity Type'. Below this, a table lists existing code table rows with columns for Order, Plugin Name, Algorithm, Default Value, and Last Updated. A 'Create a New Code Table Row' form is visible at the bottom, with fields for Plugin Name, Algorithm, Language, and Default Value, and a 'Create' button.

Order	Plugin Name	Algorithm	Default Value	Last Updated
1	SHA256	SHA256	<input checked="" type="radio"/>	By Ex Libris (Servicep...
2	SHA1	SHA1	<input type="radio"/>	By Ex Libris (Servicep...
3	MD5	MD5	<input type="radio"/>	By Ex Libris (Servicep...
4	CRC32	CRC32	<input type="radio"/>	By Ex Libris (Servicep...

Figure 2: Fixity Type code table

## 2.2 Repository Task Plugin to run on all levels

Extended the Repository Task Plugin Interface to Run at the Representation and File Level, beyond the Existing IE Level. This will allow institutions further flexibility in the repository management, eg assign persistent identifiers on any content level.



The screenshot displays the 'Rosetta Administration' interface. At the top, the ExLibris logo and 'Rosetta Administration' are visible on the left, and user information 'John Smith' and language 'English' are on the right. Below the header, a breadcrumb trail shows 'Task Chains / Details'. A summary table provides metadata for the task chain:

Task Chain ID:	31	Created By:	SYSTEM	Created On:	14/09/2010 14:30:21
Updated By:	SYSTEM	Updated On:	14/09/2010 14:30:21		

The main section is titled 'General Information' and contains the following fields:

- \* Name:** Enrichment - Images
- \* Description:** This task chain will perform all the enrichment processes needed before storing the content in the Permmnet Repository. These processes include generation of Persistent Identifiers, generation of derivative copies used for access for Image files, retrieval of linked Collection Management System descriptive records, as well as generation of the Repository's search indexes
- \* Status:** Active (dropdown), **Status Date:** 14/09/2010
- \* Task Chain Level:** A dropdown menu is highlighted with a red box, showing the following options: IE, File, and Representation.
- \* Groups:** Includes checkboxes for 'Validation Stack - Use file level tasks only' and 'Workbench'.

Figure 3: Repository task

# 3

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## Data Management

### 3.1 HANDLE Persistent Identifier Support

Deposit pre-generated HANDLE identifiers or generate the PIs in Rosetta with a Repository Task Plugin, using a sequence manager.

The screenshot displays the 'Rosetta Administration' interface. At the top left is the ExLibris logo. The top right shows the user 'John Smith', the language 'English', and a help icon. Below the header is a 'Quick Launch' button. The main content area is titled 'Sequences / Details'. It features two sections: 'General Information' and 'Sequence Details'. The 'General Information' section contains a form with the following fields: 'Name' (HANDLE sequence), 'Owner' (All), 'Description' (Sequence for generating HANDLE PI), 'Created By' (Ex Libris), 'Updated By' (Ex Libris), 'Created On' (22/04/2018), and 'Last Update On' (22/04/2018). The 'Sequence Details' section contains: 'Start' (1), 'End' (100000), 'Prefix' (hdl:1234), and 'Fixed Length' (0). At the bottom right of the form are 'Cancel' and 'Save' buttons.

### 3.2 Export Directory to be Set per Institution

The institution code is now added to the path of all export directories, enabling each institution to save data in a different location.

### 3.3 Create Itemized Sets on all levels

Itemized Sets can now be created for Representations and Files, in addition to IEs.

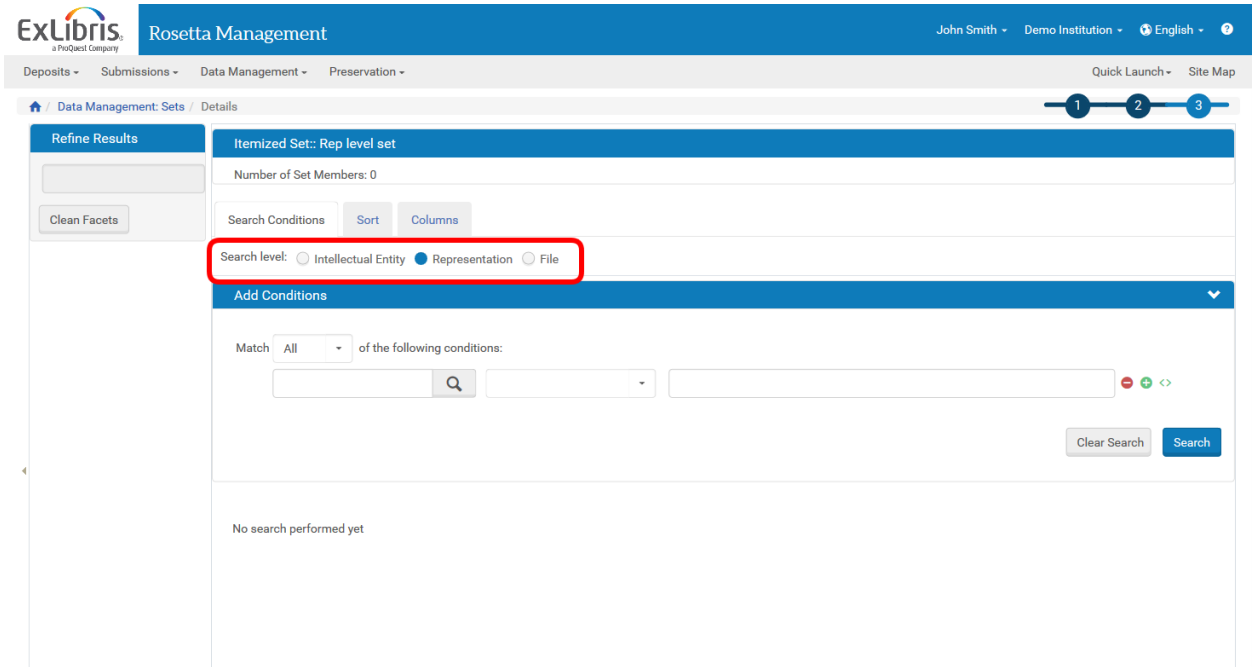


Figure 4: Itemized set

### 3.4 Cleanup Deleted OAI Records

Added deleted OAI records cleanup to admin Cleanup Job. Removes deleted records with lastModified > x days where x is configurable.

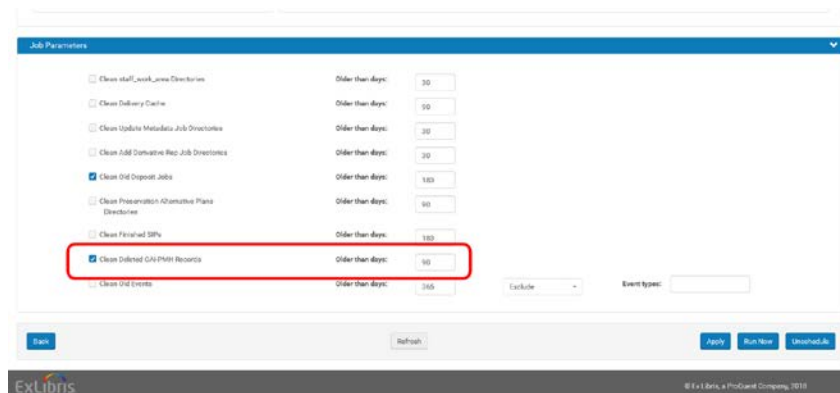


Figure 5: Cleanup job



# 4

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## Delivery

### 4.1 IE Viewer - Support Metadata creation with XSL

Added support for transforming delivery metadata with XSL in the renewed general IE viewer, similarly to the old viewer. Users can populate the metadata parameter to define whether to use Rosetta delivery MD configuration or XSL. When metadata=xsl, metadata will be displayed based on ie.xsl and file.xsl configured under "Delivery XSL Files". Customers should adjust ie.xsl to output HTML similar to the new file.xsl.

Note: In 6.0, the old IE viewer is scheduled for removal.

# 5

## User Experience

### 5.1. New Administration Menu UI

A renewed, accessible Administration menu, providing an intuitive layout of the administrative content, including a quick search bar.

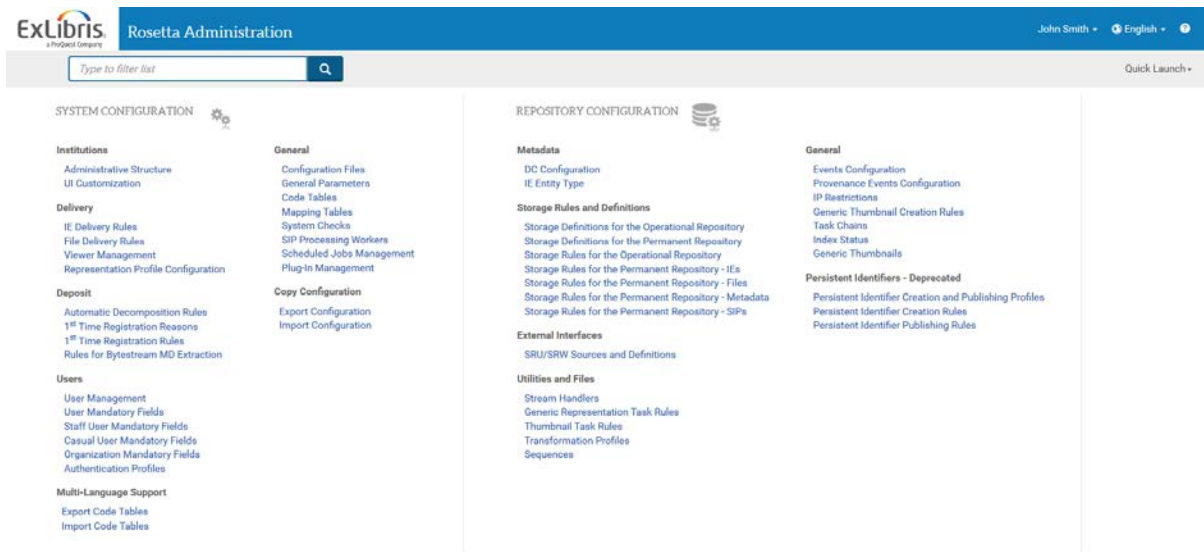


Figure 6: Administration Menu

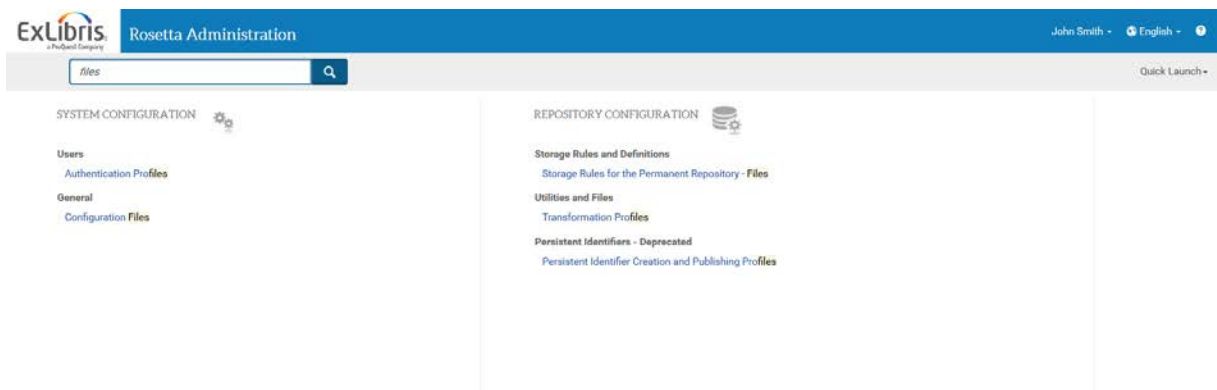


Figure 7: Search bar

## 5.2 Session Expiration Warning

Session timeout warning will count down last 60 seconds of session, allowing the user to remain signed in:

The screenshot displays the ExLibris Rosetta Management web application. A modal dialog box is centered on the screen, displaying the message: "Your session is about to expire! You will be logged out in 8 seconds. Do you want to stay signed in?". Below the message are two buttons: "Sign me out" and "Keep me signed in".

The background interface is dimmed and shows several data sections:

- Deposits:** A table showing the status of deposits. The total number of deposits is 93.
- Deposits Per Producer Group:** A bar chart comparing the number of deposits for "Government" and "Published" groups. The "Published" group has 924 deposits.
- SIPs In Process:** A table showing the status of SIPs in process. The total number of SIPs in process is 395.
- Files by Classifications:** A pie chart showing the distribution of files across different classifications.
- Top Formats at Risk:** A bar chart showing the number of files at risk for different formats.

Status	SIPs
Draft	27
Rejected	44
Declined	22
Total	93

Producer Group	Count
Government	~10
Published	924

Status	SIPs
In process	47
Technical Analysis	-
Validation	55
Loading	17
Enrichment	4
Bytestream	1
Deposit	317
To Permanent	1
Total	395

Classification	Count
Generic	100
Image (Mix)	400
Other	100
PDF	100
Text (Mark-up)	100

Format	Count
fmt/101	1,926
fmt/unknown	1,044
fmt/392	~100