



Rosetta 7.1 Highlights

July 2021

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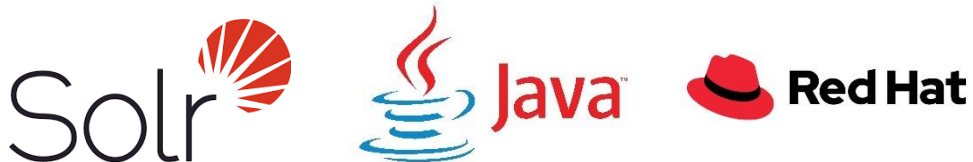
Infrastructure

1.1 3rd Party Upgrades

- Upgrade solr to 7.3 and SolrCloud ZooKeeper to 3.5.7, leading to a significant indexing performance improvement.

Please note, service pack installation includes an indices upgrade step which could take longer than usual (1GB per minute). Previously indexed files are backed up under `$op_dir/indexes_backup_solr_6.5.0`.

- RedHat 8 certification
- Java 15 upgrade



1.2 Custom TLS certificates for SAML authentication

SAML certificates are decoupled from Rosetta versions, allowing institutions to stay up to date with the latest certificates, regardless of the Rosetta version installed on the servers.

util_sp supports deployment of a SAML certificate, copying the certificate package from the MFT server to the local Rosetta file system.

Restarting Rosetta will then allow configuring the new certificate in a SAML authentication profile.

Ex Libris team will continuously upload new SAML certificates to MFT.

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Data Management

2.1 Facilitate error handling for batch SIPs

Advanced filtering capabilities in the technical analyst workbench will provide better analysis tools and save time by supporting bulk actions on all SIPs affected by a given error. The following functionality was added to support this:

- Existing filter in validation tab now supports filtering all SIPs by any known error
- Added a “select all” action to all TA tabs (except Bytestream) which now provide 3 forms of selection altogether: Single SIP, single page and all pages.
- The combination of filter-by-error and select-all, allows running batch actions on all SIPs affected by a specific error, eg rerun / decline etc.

The screenshot shows the 'Submissions: Technical Issues' interface. At the top, there are tabs for different submission types: Deposit (149), Loading (19), Validation (27), Bytestream (1), Enrichment (12), To Permanent (4), and System Error (16). Below the tabs is a 'Filter' dropdown menu currently set to 'Checksum error (vs_Error.9)'. A red arrow points to this dropdown. Below the filter is a red-bordered button labeled 'Select All Records'. Below the button is a table with the following data:

	<input type="checkbox"/>	SIP ID	Deposit ID	Producer	Title	Type
1	<input type="checkbox"/>	1867	18497	Rosetta Producer	Sip with Custom Fixity	Digitised Images
2	<input type="checkbox"/>	1865	18495	Rosetta Producer	Sip with Custom Fixity	Digitised Images

2.2 Publishing Enhancements

Publishing logs have been enriched with the following details, in order to provide better analysis tools for administrators:

IE publishing:

- Rosetta configuration name, in addition to existing configuration ID
- Count of IEs that have been added, removed and updated

Collection publishing:

- Details on collections which were published successfully

2.3 Verify files count match in CSV/ZIP deposit

CSV deposit with files count mismatch between the CSV and ZIP, will now fail at TA Deposit workbench with a detailed error message informing on the mismatch and providing details on which files differentiate the CSV and ZIP.

2.4 Submission Job for Automated BagIt ingest

Automated BagIt submissions are now supported via Rosetta's scheduled submission jobs.

2.5 Allow Exclusion of SourceMD from Indexing

Metadata Type and Other Source Metadata Subtype code tables moved to mapping tables and added new parameter: "Indexing required" to allow to exclude all source MD of a given type from indexing.

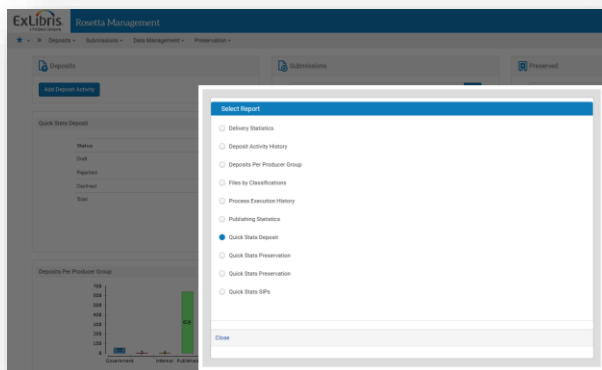
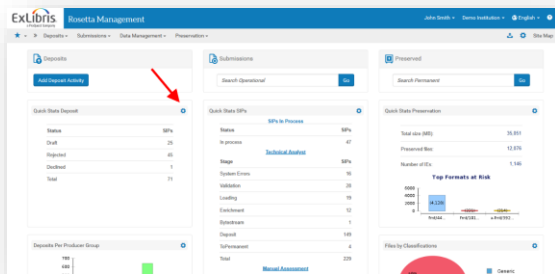
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User Experience

3.1 Personalized Dashboard

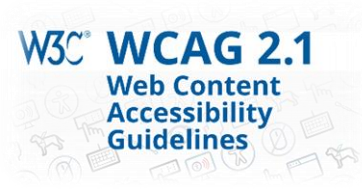
Rosetta dashboard can be personalized so each user can select the initial reports they would like to view on the entry page. Several reports have been redesigned to scale into the dashboard, in addition to the existing reports. Institutions can plugin additional reports, as described [here](#), adapting the columns and design to the dashboard.

Report names are now customizable in the Reports mapping table, in addition to a new report location = Dashboard, for reports which are designed specifically for the dashboard.



3.2 Accessibility and more

- Continued investment in WCAG 2.1 compliance, fixing additional back-end pages.
- Edit options added to remaining components of material flow, allowing to setup MFs on the fly.



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Integrations


4.1 REST API Advancements

Developers' Network

REST APIs are now available for review as a separate section in Ex Libris' Developers' Network portal, providing detailed documentation on general REST API use and for each separate API:

- SIP Processing Related Web Services
 - Get SIPs
 - Get SIP
- Deposit Web Services
 - Get Deposits
 - Create Deposit
 - Get Deposit
- Delivery Web Services
 - Get Delivery Session
 - Get Delivery Session Files
 - Get Delivery Session Representation
 - Get Delivery Session Representation Files
 - Get Delivery Session Representation File

Services are also available here: **Error! Hyperlink reference not valid.**


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REST APIs

- APIs ▼
- REST APIs** ▼
- SIP Processing Related Web Services
- Deposit Web Services
- Delivery Web Services
- SOAP APIs ▼
- Extending Rosetta** ▼
- BIRT Reports
- METS and DNX
- Delivery & Access ▼
- Deposit Tool (SDK)
- Interoperability with Ex Libris Products ▼
- Plugins ▼
- Standards ▼
- User Authentication ▼

Ex Libris Developer Network > Rosetta Documentation > APIs > REST APIs

General Purpose

Rosetta REST APIs which can be called from any external application. The following REST services are part of an ongoing development to release a full suite of REST APIs, providing parallel services to those currently provided as SOAP services.

List of Web Services

- SIP Processing Related Web Services
- Deposit Web Services
- Delivery Web Services

Authentication

Most Web Services require authentication. Rosetta REST APIs support the following authentication method:

- Basic Authentication:** A base64 encoded user, institution code and password, sent as an Authorization HTTP header. Decoded string should be {username}-institutionCode-[institutionCode];{password}, e.g. vickyholmes-institutionCode-INS00:9uQ29kZ5IJT.

Do **not** include your consortium code (typically 'CR500') in your institution code. Basic Authentication can also be used for creating direct delivery URLs to objects that require an authenticated user. Basic Authentication is supported for Rosetta local users only and is the recommended method for authenticating local users.

Delivery APIs

REST APIs are now available for all Delivery services:

- Get Delivery Session
- Get Delivery Session Files
- Get Delivery Session Representation
- Get Delivery Session Representation Files
- Get Delivery Session Representation File

Delivery Web Services

- APIs ▼
- REST APIs ▼
 - SIP Processing Related Web Services
 - Deposit Web Services
 - Delivery Web Services**
 - SOAP APIs ▼
- Extending Rosetta ▼
 - BIRT Reports
 - METS and DNX
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 - Plugins ▼
 - Standards ▼
 - User Authentication ▼

Ex Libris Developer Network > Rosetta Documentation > APIs > REST APIs > Delivery Web Services

The Delivery Web Services allow users to add external viewers that can be used by the Delivery Rules. These APIs are used for getting the IE's and files' details from Rosetta in order to deliver them to the end user.

Delivery

API	Path	
Get Delivery Session	<code>GET /rest/v0/delivery/sessions/{dvsid}</code>	
Get Delivery Session Files	<code>GET /rest/v0/delivery/sessions/{dvsid}/ALL/files</code>	
Get Delivery Session Representation	<code>GET /rest/v0/delivery/sessions/{dvsid}/{repId}</code>	
Get Delivery Session Representation Files	<code>GET /rest/v0/delivery/sessions/{dvsid}/{repId}/files</code>	
Get Delivery Session Representation File	<code>GET /rest/v0/delivery/sessions/{dvsid}/{repId}/files/{fileId}</code>	

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Preservation

5.1 Save SIP processing events as provenance

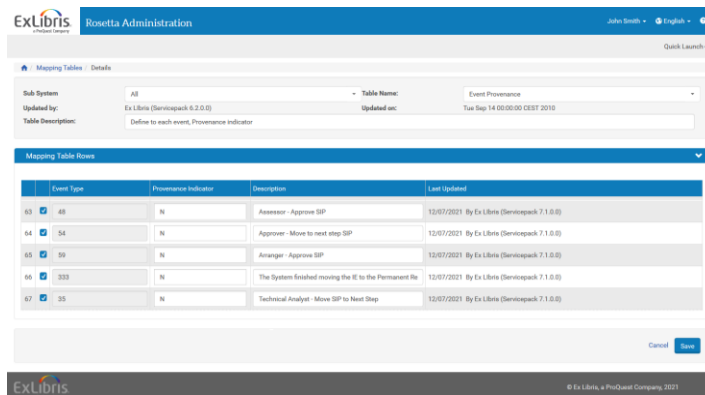
Significant SIP processing events can be saved as provenance events in the resulting AIPs.

These include:

- Moving to next stage from TA workbench (event 35)
- Moving to next stage from Assessor\Arranger\Approver workbench (events 48\59\54)
- IE completes moving to permanent (new event 333)

These events were added to the “Provenance Events Configuration” table as non-provenance by default, and can be enabled by administrators.

The table has also been enhanced to include informative descriptions per event.



The screenshot shows the 'Mapping Tables' configuration page in the ExLibris Rosetta Administration interface. The page title is 'Rosetta Administration' and the user is 'John Smith'. The page is divided into several sections:

- Sub-System:** All
- Table Name:** Event Provenance
- Updated by:** Ex Libris (Servicepack 6.2.0.0)
- Updated on:** Tue Sep 14 00:00:00 CEST 2010
- Table Description:** Define to each event, Provenance indicator

The main section is 'Mapping Table Rows', which contains a table with the following data:

Event Type	Provenance Indicator	Description	Last Updated
48	N	Assessor - Approve SIP	13/07/2021 By Ex Libris (Servicepack 7.1.0.0)
54	N	Approver - Move to next step SIP	12/07/2021 By Ex Libris (Servicepack 7.1.0.0)
59	N	Arranger - Approve SIP	12/07/2021 By Ex Libris (Servicepack 7.1.0.0)
333	N	The System finished moving the IE to the Permanent Re	13/07/2021 By Ex Libris (Servicepack 7.1.0.0)
35	N	Technical Analyst - Move SIP to Next Step	12/07/2021 By Ex Libris (Servicepack 7.1.0.0)

At the bottom of the table, there are 'Cancel' and 'Save' buttons.

5.2 Edit linkingIEIdentifier

The IE-level `linkingIEIdentifier` attribute is now editable on all levels – IE, representation and file – either via the MD editor or via the Update DNX tasks. This will allow further flexibility in managing relations between PREMIS entities.

The screenshot shows the 'Data Management: Search for Objects / Details' interface. At the top, there is a metadata table with the following data:

MID	DNX_IE86158	Metadata Type	dnx:dnx	Description
Created by	admin1	Creation Date	21/06/2021 06:21:10	
Updated by		Update Date	21/06/2021 06:22:11	Schema Version

Below the metadata table, there is a list of attributes. The 'linking IE Identifier' attribute is highlighted with a red box. The attribute list includes:

- producer
- producer Agent
- internal Identifier
- object Characteristics (Delete)
- general IE Characteristics (Delete)
- access Rights Policy
- linking IE Identifier (Delete)

To the right of the attribute list, there is a form for editing the 'linking IE Identifier' value. The form has two fields: '* linking IE Identifier Type' and '* linking IE Identifier Value'. The 'Contextual' dropdown menu is set to 'Contextual'. At the bottom of the form, there are 'Cancel' and 'Update' buttons.