



Rosetta 7.2 Highlights

January '22



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Infrastructure



Log4j Upgrade

Log4j Upgraded to version 2.17.1, providing a secure and up to date environment

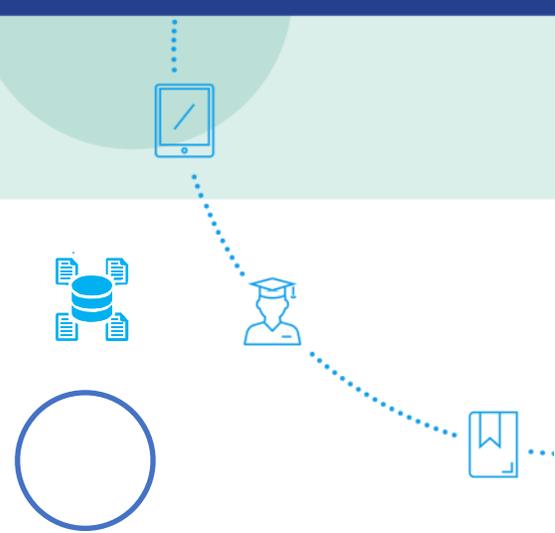
Additional 3rd Party Upgrades

Rosetta 3rd party sub-components are continuously upgraded to provide a secure-as-possible environment and benefit from the most recent remediations included in each tool:

- ✚ Apache httpd to 2.4.51
- ✚ Tomcat 9.0.55
- ✚ FlowPaper 3.5.0

Integrations

REST APIs - Process status



Added process REST APIs, including the following services:

- ✚ Get process instance id information -
`rest/v0/conf/processes/{process_id}/instances/{process_instance_id}`
- ✚ Get process instance events -
`rest/v0/conf/processes/{process_id}/instances/{process_instance_id}/events`
- ✚ Abort of a process instance -
`rest/v0/conf/processes/{process_id}/instances/{process_instance_id}?op=abort`

REST APIs – Export IEs

Added Export IEs REST API, including the following service:

- ✚ Export IE -
`/rest/v0/ies/{ie_pid}?op=export&export_path={path}&representation_packaging={none/tar}`

The service includes a parameter `representation_packaging` which defines whether the files will be packaged as a tar file or exported as is.

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Configuration Web Services

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

The Configuration Web Services allow users to receive and manage system configuration and administration information without using the Rosetta UI. First focus has been made on allowing to retrieve process instance information and aborting a process instance. More will be added on future releases.

Required Role: Data Management (full)

Processes

API	Path
Retrieve Process Instance Details	GET /rest/v0/conf/processes/{process_id}/instances/{instance_id}
Abort a Process Instance Run	POST /rest/v0/conf/processes/{process_id}/instances/{instance_id}
Retrieve Process Instance Event Details	GET /rest/v0/conf/processes/{process_id}/instances/{instance_id}/events

Processes APIs in Developers Network

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Intellectual Entities Web Services

Ex Libris Developer Network > Rosetta Documentation > APIs > REST APIs > Intellectual Entities Web Services

The Intellectual Entities (IEs) Web Services allow users to receive information and preform actions on Intellectual Entities without using the Rosetta UI. First focus has been made on allowing to export an Intellectual Entity. More will be added on future releases.

Required Role: Data Management (full)

Intellectual Entities

API	Path
Export an IE	POST /rest/v0/ies/{ie_pid}

Export API in Developers Network



Multiple fixity checks in S3 storage plugin

Up to now users could run only MD5 fixity checks on files stored in an S3 storage layer, either remote or local. The new plugin supports running SHA256 and can be customized by users to run additional checksums.

 [Java plugin on Github](#)

 [Plugin jar](#)

Data Management



Instant data cleanup options

Two configurations have been added to allow immediate or close-to-immediate cleanup of SIPs and deposits. The main use case being high submission throughputs which require frequent storage cleanups.

-  Instant Cleanup – SIP processing configuration now includes a cleanup section with a “Delete SIP when processing complete” option. When this configuration is enabled, SIPs are instantly erased once their processing is completed and corresponding AIPs are in the permanent storage.
-  “End of day” cleanup – Users can now populate the general cleanup job with 0 days for SIP and deposit cleanups. Once the job runs, either manually or by schedule, all completed SIPs and deposits in the system will be deleted and cleaned from the operational storage.

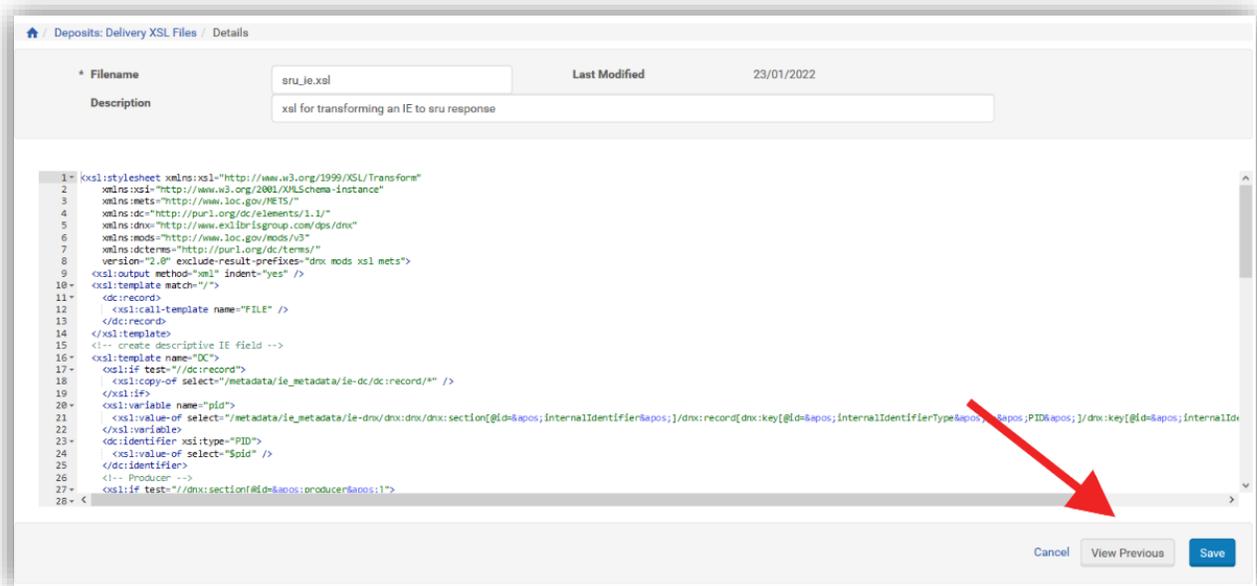


Configuration files - restore previous version



Added the option to restore the previous version of all configuration files - XSLs, XSDs, XMLs etc.

Users can preview the previous version before saving permanently.



Index derivative copies

A new general parameter - index derivative copy - defines whether derivative copies will be indexed, including representation and file attributes.

Searching any attribute in the system, either via UI or SRU, will return aggregate results of permanent and derivative copies.

In order to index derivative copies of existing content, users will need to reindex the IEs.

Flattening properties for reporting (functionality added in Rosetta v7.1) will now also occur for derivative copies.



Manage XSD versioning for DNX validations



DNX validation files are now centrally managed in Github, allowing to compare between versions and providing a Readme with release notes per version. Please see [here](#). These include:



- ✚ dnx_aip.xsd
- ✚ dnx_sip.xsd
- ✚ mets_rosetta.xsd
- ✚ mets_rosetta_aip.xsd

The screenshot shows a GitHub repository page for 'rosetta-development 7.2 Release'. The page includes a file list and a README section.

File Name	Version	Time
README.md	7.2 Release	6 hours ago
dnx_aip.xsd	7.2 Release	6 hours ago
dnx_sip.xsd	7.2 Release	6 hours ago
mets_rosetta.xsd	7.2 Release	6 hours ago
mets_rosetta_aip.xsd	7.2 Release	6 hours ago
x_form.xsd	7.2 Release	3 days ago

release 7.2

mets_rosetta.xsd

- The fileSec section is no longer mandatory. A missing/empty section indicates that the IE is a structural IE (vs a content IE).

mets_rosetta_aip.xsd

- The fileSec section is no longer mandatory. A missing/empty section indicates that the IE is a structural IE (vs a content IE).

dnx_aip.xsd

- New IERelationship section was added for structural IE relationships
- Version was updated to 3.0

Structural IEs (MVP)



Relationships between entities are an essential piece of preservation metadata now managed in Rosetta.

IEs are categorized into two classification types (type is saved in DB only, not METS):

- Content** – IE representing digital content with files
- Structural** – IE representing part of a structure of multiple IEs, relating to other IEs as its children

The structural relationships between IEs are recorded in the relationship section in the DNX.

Structural and content IEs can be submitted into Rosetta using a METS submission. Other forms of submission will be added at a later stage.

The web editor for structural IEs exposes a contents tab which includes an editable list of all child IEs, sorted by sequence. The following actions are available once the parent IE is locked:

- 1. Reorder** via drag and drop
- 2. Add Children** allowing to search the entire repository according to any search query. Staff can either select an entire page of results or selected IEs.
- 3. Remove Selected** disconnecting all selected IEs from the parent IE.

			Title	PID	IE Entity Type	IE Classification Type	Order Sequence	Editor	View	Remove
1	<input type="checkbox"/>	⋮	SDK - TEST DC	IE1086		Content	1	Editor	View	Remove
2	<input type="checkbox"/>	⋮	SDK - TEST DC	IE1089		Content	2	Editor	View	Remove

Web editor for structural IE

A new “Structural IEs Report” under data management, displays the entire structural IE hierarchies in the system, providing details on child IEs per parent IE.