Rosetta 6.2 Highlights

December 2019

ExLibris The bridge to knowledge

CONFIDENTIAL INFORMATION

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TRADEMARKS

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Author: Daniel Greenberg, Rosetta Product Manager

Web address: http://www.exlibrisgroup.com

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Infrastructure

1.1 Support for Oracle 19

Rosetta now supports Oracle 19 in addition to Oracle 12.1. Oracle 11.x is no longer supported by Rosetta, customers who require assistance in upgrading Oracle should open a ticket on Rosetta support.

1.2 Improved SIP processing parallelization

We improved SIP processing parallelization by applying a prioritization algorithm which takes the number of files and size of files into account. The transition can be enabled by customers by selecting the "Run in Parallel" checkbox in the SIP Processing Workers configuration:

Figure 1 Run in parallel parameter

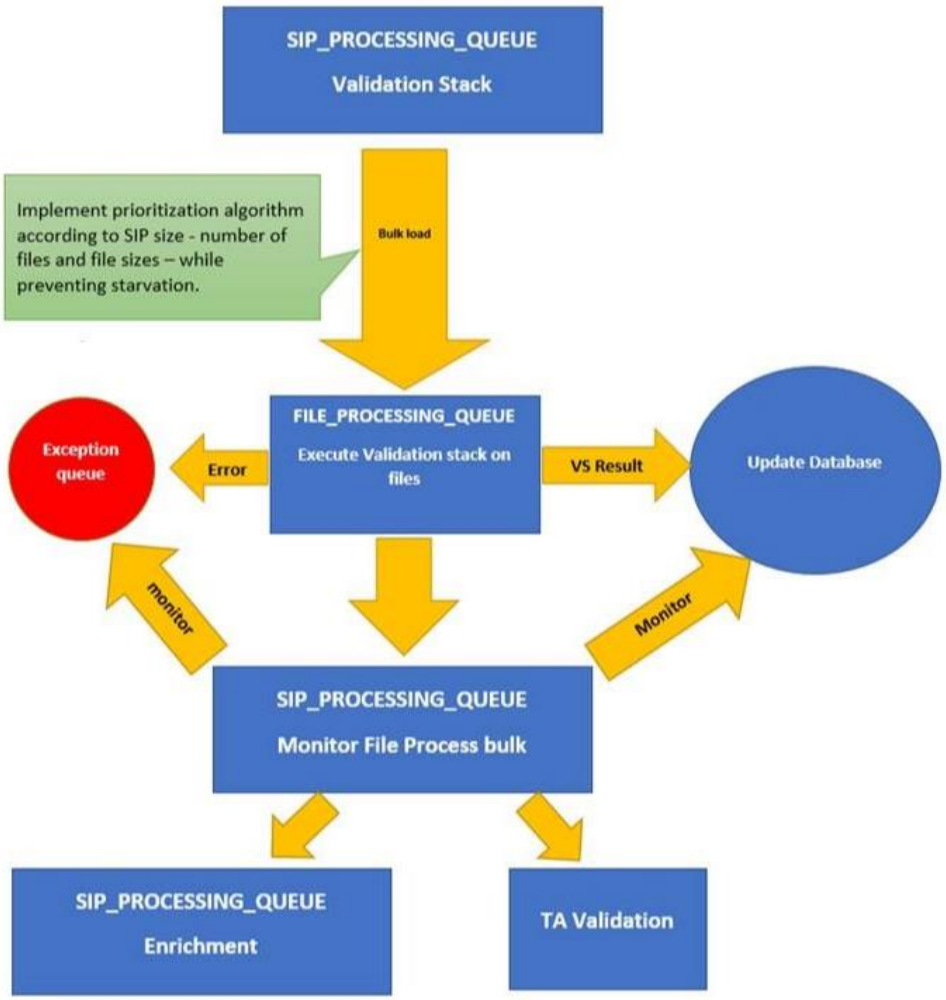

Figure 2 SIP processing parallelization

1.3 Storage Integrity Job

Added a Job to identify missing, misplaced and orphaned storage files.

The job can run on typical NFS storage and halts once it reaches 10,000 failed files.

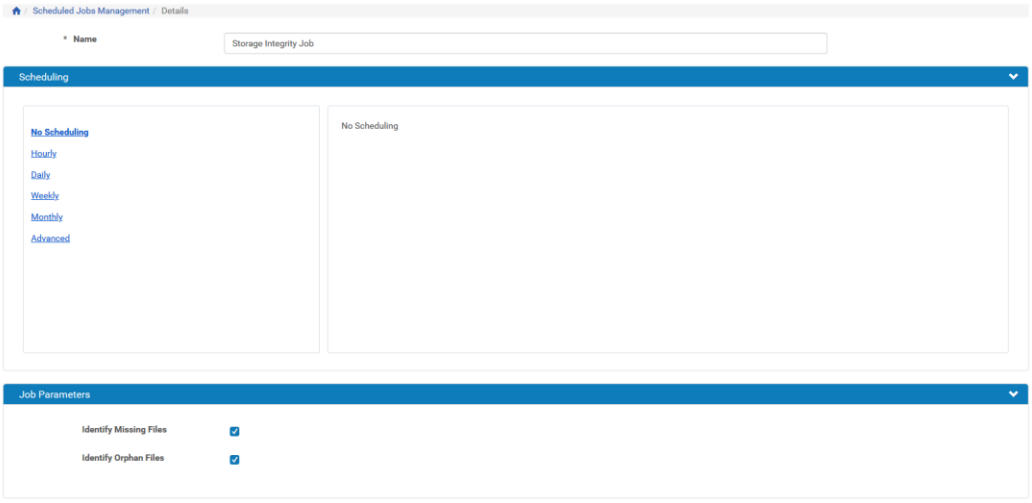

Figure 3 Storage Integrity Job

1.4 Additional Software Upgrades

- ImageMagick 7.0.8-49, improved compression and many resolved defects
- Flex Paper 3.2.1

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Integrations

2.1 CMS Update Enhancements

Several enhancements to the CMS integrations with systems such as Aleph and Voyager, including:

- Support for updating CMS records via two new APIs - `assignCMS` and `unassignCMS`
- Users can now update CMS metadata from an external source based on a list of CMS record IDs

2.2 Include suppressed IEs in SRU response

SRU: When users are authenticated and have role "Editor view" with role parameter "Show suppressed IEs" checked, they will be able to see suppressed IEs. Editor typical and full roles will always allow it.

Meditor: Suppressed IEs will be hidden for staff with role "Editor view" and unchecked "Show suppressed IEs". Editor typical and Full roles will always allow viewing suppressed IEs.

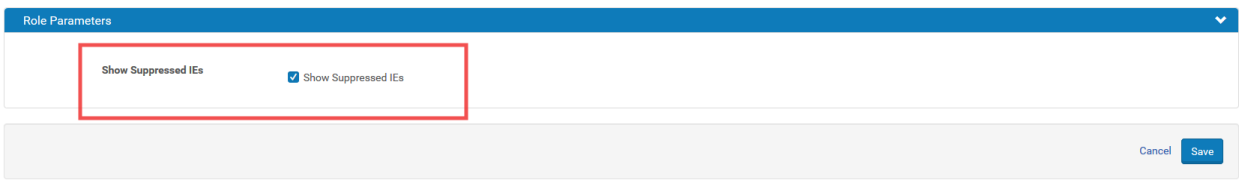

Figure 4 Show suppressed IEs

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Data Management

3.1 Delete Representation

Allow users to delete one or more representations with respective files.

Rosetta will provide two methods for deleting a representation:

1. A Representation-level "Delete Representation" action in the metadata editor. Action will be restricted to 'Editor - Full'. The action will be available for any representation preservation type other than Preservation Master.
2. A Representation-level "Delete Representation" task combined with a new out-of-box "Delete Representation" taskchain assigned to a new "Maintenance - Advanced" taskchain group. The task will report on the number of representations deleted and those that could not be deleted.

The process will delete:

- Any file related to the representation
- The fileGrp related to the representation
- Any unshared MD record related to the rep (DNX, sourceMD, structmaps)

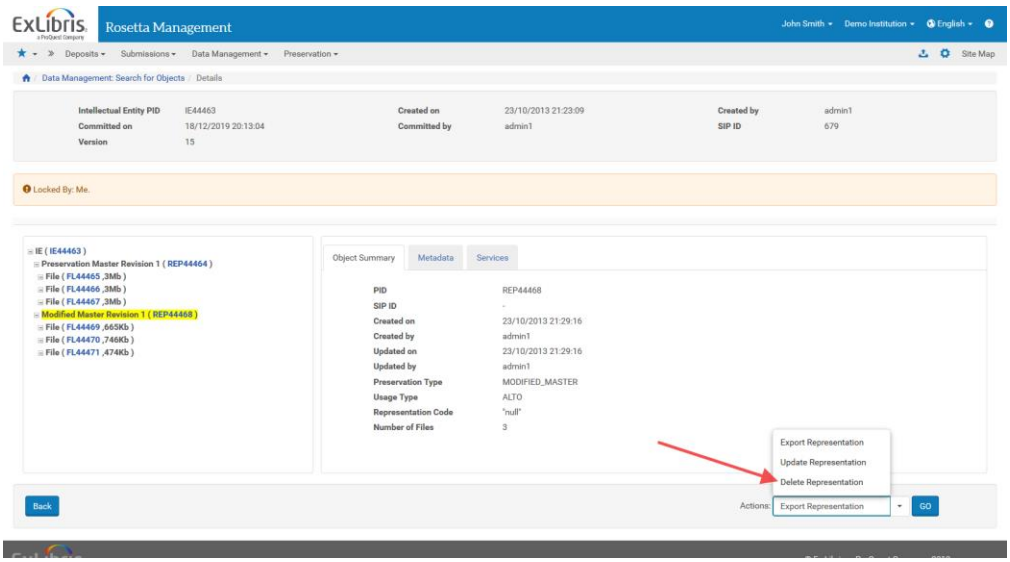

Figure 5 Delete Representation

3.2 Manage version increments for IE updates

New parameter, "`commit`" in the following IEWebServices methods:

- `addRepresentation`
- `updateRepresentation`
- `assignSharedMD`
- `unassignSharedMD`
- `updateMD`
- `updateDNX`
- `generateFixityEvent`

This will determine whether to commit the IE to permanent with the updates or leave the IE locked with uncommitted changes.

`manageIE` includes rollback and commit options for all uncommitted updates.

In addition, `getMD` and `getDNX` will return the working copy when IE is locked and request is by the locking agent, while other users will continue getting the metadata from the permanent copy, aligning with the webeditor.

`getIE` will not be affected and will continue to return the IE from permanent.

3.3 Add file-level metadata via APIs

Added file and representation level metadata sections in `addRepresentation` and `updateRepresentation` APIs, supporting updates for the following metadata types:

Representation metadata - dnx, source

File metadata - dnx, source and dc

3.4 Tasks to update DNX of all entity types

Extend "Populate General Characteristics" tasks to support updating any editable DNX property for IE, representation or file level. Staff members will be provided with a drop-down list and a text box supporting auto-complete, including all available options per entity type. Users will have the ability to update up to 5 properties per task.

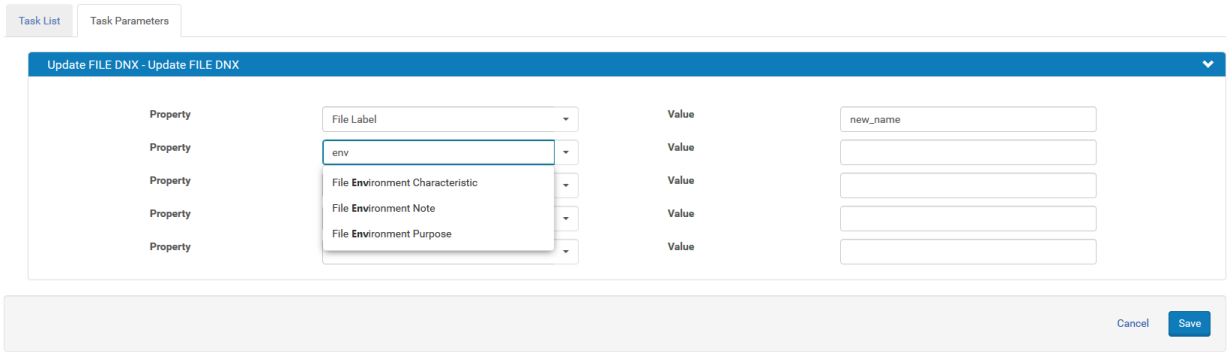

Figure 6 Task - Update file DNX

3.5 Release work from user

A new row action "Release Work" in the staff users list, will:

1. Unlock all IEs locked by this user.
2. Unassign all SIPs from TA and 3A that are assigned to this user.

This feature is designed to facilitate the process of relieving users of their assigned work in a single action, eg when a staff member has gone on extended leave.

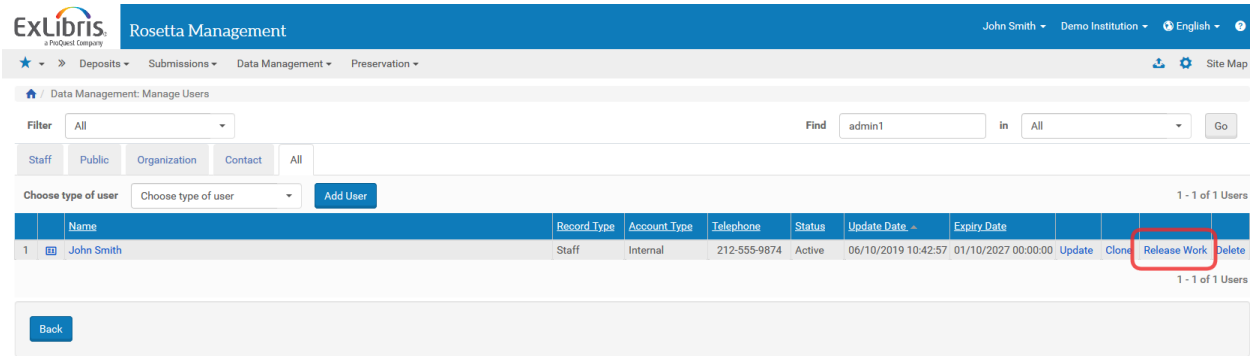

Figure 7 Release work

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Delivery

4.1 Streaming Service for video/audio formats

Added support for streaming audio/video files, including the following:

1. Derivative copy task based on a new transformation profile "Video to HLS Streaming" and migration tool plugin: Video-HLSMigrationTool.

   (**Note** the OOB Transformation Profile parameters are working only on mp4 files)

2. New Streaming Viewer based on Video Js with StreamingHLSViewerPreProcessor

3. New File Delivery Rule: Streaming - HLS

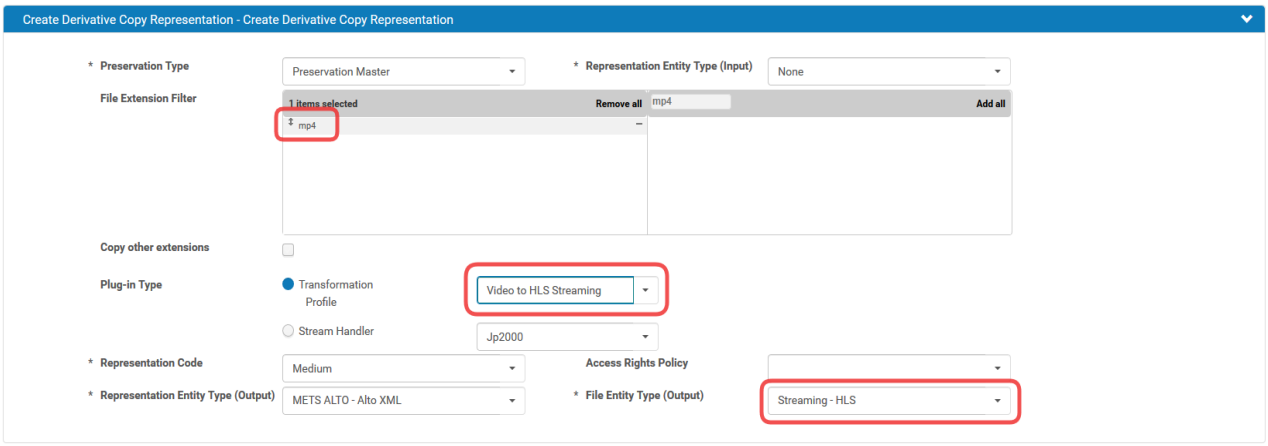

Figure 8 Create HLS derivative

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User Experience

5.1 Quick search for management menus

A quick search banner will facilitate finding pages in Rosetta management and allow adding items from the search results to the favorites list. This feature is part of our ongoing effort to simplify the system usage and reduce the number of actions required to reach all areas of the system:

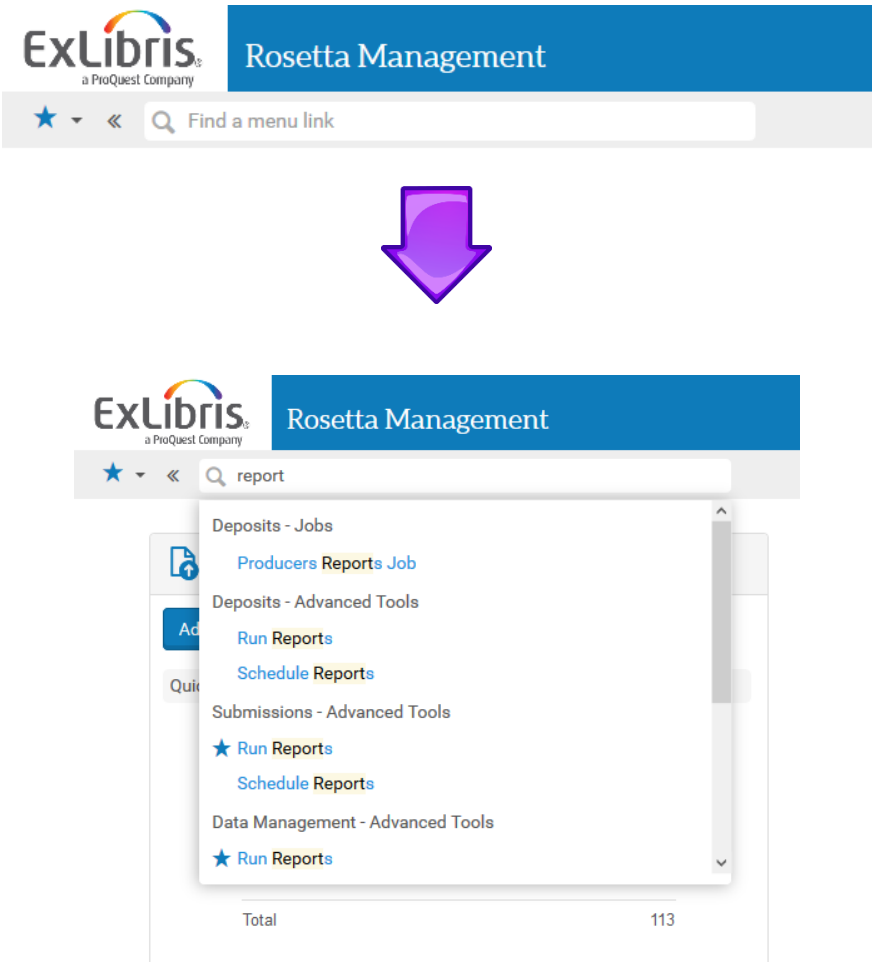

Figure 9 Quick menu search

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Preservation

6.1 Fast-Track Preservation Planning

A fast-track preservation planning flow, aside the existing advanced planning module, introduces a simplified wizard for migrating sets of files to a new format. This flow is designated for institutions who know ahead of time which migration flow they would like to run and on which set, therefore do not require assistance from many of Rosetta's preservation planning features, such as alternative comparison and more. The set does not necessarily need to be based on a Format Library risk.

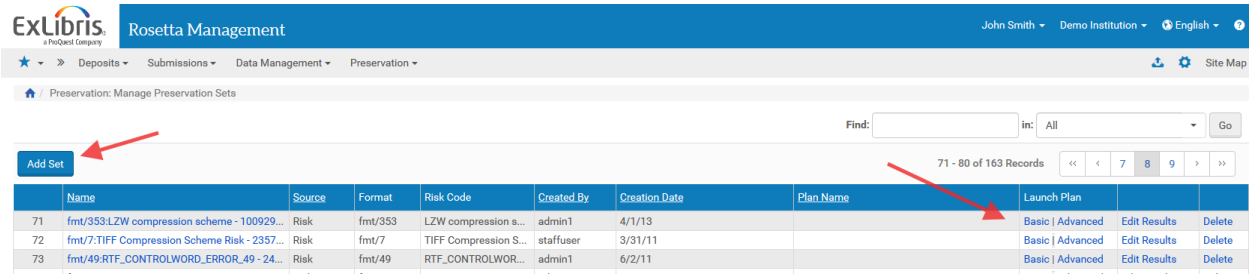

Figure 10 Basic vs Advanced Plan

The basic plan includes essentials such as target format, migration method – internal vs external, administrative document upload and evaluation criteria. Once the plan is complete it is treated as a signed-off plan and execution phase is similar to the existing flow.