



Rosetta 7.0 Highlights

January 2021

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Infrastructure

1.1 Performance for large scale archives

Unique local test environment setup at Ex Libris to simulate repositories of over 1bn files of diverse types and structures. Designated at identifying and remediating any issues encountered and providing preemptive fixes before customers reach such scales of content.



1.2 Reporting Improvements

Reporting integrity and performance improved by flattening selected DNX values in the DB.

New "Property Flattening" Configuration to select which DNX properties to extract and save separately in the DB.

The extraction is done during "Commit to Permanent" and when running the "Populate Flattening Table" task which is available for all 3 levels - IE, Representation and File.

ExLibris a ProQuest Company Rosetta Management

Deposits Submissions Data Management Preservation

Data Management: Property Flattening

Category	Selected Items	Remove all	Available Items	Add all
IE	IE.dc.title	-	IE.accessRightsPolicy.localPolicyId	+ ^
	IE.dc.identifier	-	IE.accessRightsPolicy.policyId	+ +
	IE.dc.identifier.dcterm:ISBN	-	IE.CMS.mid	+ +
			IE.CMS.recordId	+ +
			IE.CMS.system	+ +
			IE.Collection.collectionId	+ +
			IE.dc.contributor	+ v
REP	REP.internalIdentifier.internalIdentifierType.PID	-	REP.accessRightsPolicy.policyId	+ ^
	REP.generalRepCharacteristics.preservationType	-	REP.envHardwareRegistry.registryId	+ +
			REP.environment.environmentCharacteristic	+ +
			REP.environment.environmentNote	+ +
			REP.environment.environmentPurpose	+ +
			REP.environmentDependencies.dependencyIdentifierType1	+ +
			REP.environmentDependencies.dependencyIdentifierType2	+ v
File	FILE.generalFileCharacteristics.label	-	FILE.accessRightsPolicy.policyId	+ ^
	FILE.vsOutcome.FILE_FORMAT.checkDate	-	FILE.Classification.classificationId	+ +
	FILE.dc.publisher	-	FILE.creatingApplication.creatingApplicationExtension	+ +
	FILE.significantProperties.significantPropertiesType.nisoImage.imageWidth	-	FILE.creatingApplication.creatingApplicationName	+ +
	FILE.significantProperties.significantPropertiesType.nisoImage.byteOrder	-	FILE.creatingApplication.creatingApplicationVersion	+ +
			FILE.creatingApplication.dateCreatedByApplication	+ +
			FILE.dc.contributor	+ v

1.3 Upgrade to Tomcat 9.0.37

1.4 Preservation Planning Robustness

Significant improvement of processing migration of mass files, as part of preservation planning flow.

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Data Management

2.1 Institution-level Publishing

Publishing flow migrated from administration to institution-level, providing full transparency and control over scheduled and manual runs. Publishing profiles are now coupled with individual scheduling, all statuses and logs of all runs can be viewed by institution staff.

Collection publishing has been added as a separate scheduling configuration, including the publishing XSL.

Actions and labels have been modified to improve clarity.

Existing publishing scheduling will be migrated to the new setup.

The screenshot shows a web interface titled "Data Management: Publishing Configuration". It includes a filter dropdown set to "All", a search bar, and a table of configurations. The table has columns for Name, Description, Update Date, and actions. The actions for each row are "Configure", "Update", "Duplicate", "Delete", "Run Now", "Scheduling", and "History". The "Run Now", "Scheduling", and "History" buttons for all three configurations are highlighted with a red box.

Name	Description	Update Date	Configure	Update	Duplicate	Delete	Run Now	Scheduling	History
1 Collection Publishing		05/01/2021 20:13:18	Configure				Run Now	Scheduling	History
2 Publish to Alma		06/01/2021 10:42:58	Update	Duplicate	Delete	Run Now	Scheduling	History	
3 Publish to Primo		06/01/2021 11:00:34	Update	Duplicate	Delete	Run Now	Scheduling	History	

2.2 Enhanced S3 storage management

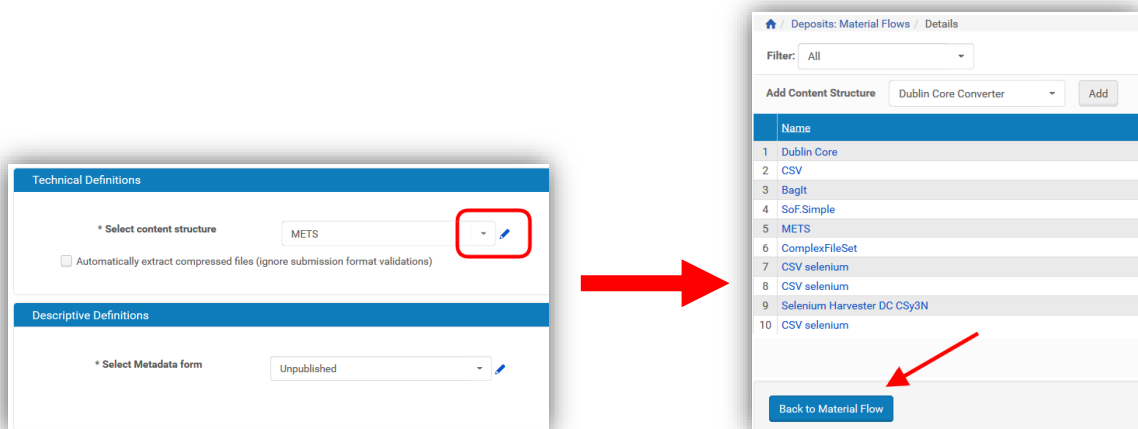
Storage plugin upgraded to use AWS SDK version 2, and now includes validation of MD5 checksum value retrieved from S3 storage against preserved value.

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User Experience

3.1 Simplified Material Flow Setup

Quick setup of material flow components through the main material flow setup page, creating a streamlined setup flow. This will allow branching out and back from the material flow setup in order to add / remove / edit multiple components of the material flow, while remaining in the main material flow context.



3.2 Accessibility - WCAG

Continued investment in WCAG 2.1 compliance, fixing additional back-end pages. Ex Libris are working closely with 3rd party consultancy for Rosetta compliance.

All native viewers (General IE, representation and file viewers) are now fully accessible and comply with the latest WCAG 2.1 standard, in addition to multiple back-end pages, as part of a continuous effort to be completed in the upcoming releases.

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Integrations

4.1 REST APIs – Deposit and SIP Processing

Initial drop of REST APIs to provide web services for Deposit and SIP processing functionality.

To access the WADL on your server, go to:

`HTTP://<REPOSITORY-LOAD-BALANCER-HOST>:<PORT>/REST`

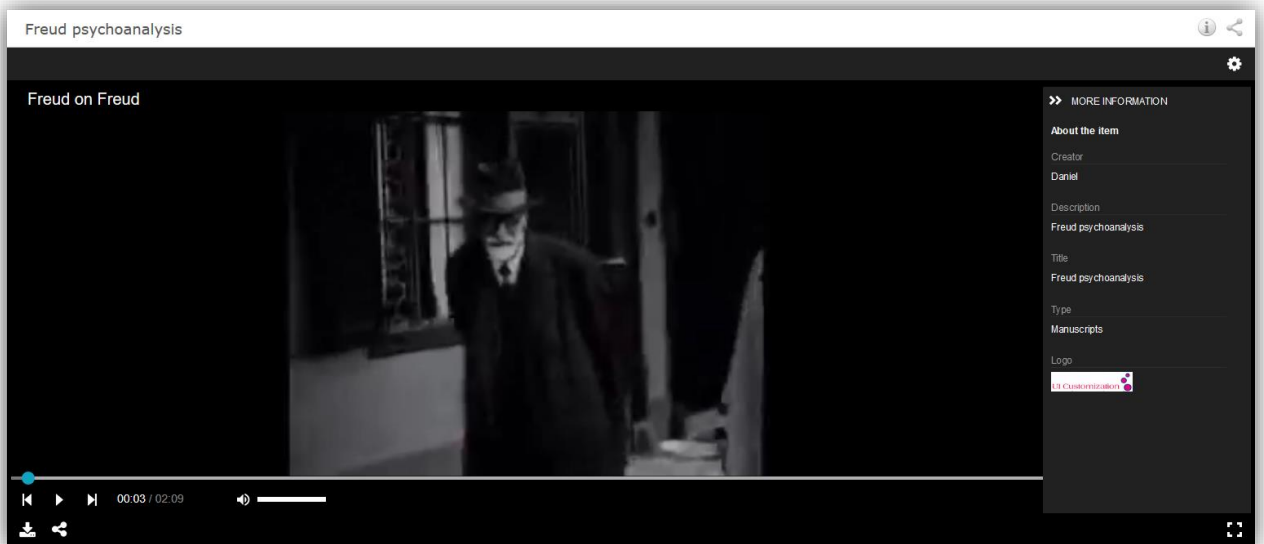
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Delivery

5.1 IIIF Support for non-image files

Upgrade to IIIF Presentation API v3 and equivalent Universal Viewer version, to support rendering of non-image sequences such as PDF and audio-visual.

The work included a contribution of a fix to the Universal Viewer open-source project.



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Preservation

6.1 Events for DNX Validation

1. DNX xsd validation version will be indexed.
2. New events for DNX validation success \ failure.