Rosetta 7.0 Highlights

January 2021

ExLibris The bridge to knowledge

CONFIDENTIAL INFORMATION

The information herein is the property of Ex Libris Ltd. or its affiliates and any misuse or abuse will result in economic loss. DO NOT COPY UNLESS YOU HAVE BEEN GIVEN SPECIFIC WRITTEN AUTHORIZATION FROM EX LIBRIS LTD.

This document is provided for limited and restricted purposes in accordance with a binding contract with Ex Libris Ltd. or an affiliate. The information herein includes trade secrets and is confidential.

DISCLAIMER

The information in this document will be subject to periodic change and updating. Please confirm that you have the most current documentation. There are no warranties of any kind, express or implied, provided in this documentation, other than those expressly agreed upon in the applicable Ex Libris contract. This information is provided AS IS. Unless otherwise agreed, Ex Libris shall not be liable for any damages for use of this document, including, without limitation, consequential, punitive, indirect or direct damages.

Any references in this document to third-party material (including third-party Web sites) are provided for convenience only and do not in any manner serve as an endorsement of that third-party material or those Web sites. The third-party materials are not part of the materials for this Ex Libris product and Ex Libris has no liability for such materials.

TRADEMARKS

"Ex Libris," the Ex Libris bridge , Primo, Aleph, Alephino, Voyager, SFX, MetaLib, Verde, DigiTool, Preservation, URM, Voyager, ENCompass, Endeavor eZConnect, WebVoyage, Citation Server, LinkFinder and LinkFinder Plus, and other marks are trademarks or registered trademarks of Ex Libris Ltd. or its affiliates.

The absence of a name or logo in this list does not constitute a waiver of any and all intellectual property rights that Ex Libris Ltd. or its affiliates have established in any of its products, features, or service names or logos.

Trademarks of various third-party products, which may include the following, are referenced in this documentation. Ex Libris does not claim any rights in these trademarks. Use of these marks does not imply endorsement by Ex Libris of these third-party products, or endorsement by these third parties of Ex Libris products.

Oracle is a registered trademark of Oracle Corporation.

UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Ltd.

Microsoft, the Microsoft logo, MS, MS-DOS, Microsoft PowerPoint, Visual Basic, Visual C++, Win32,

Microsoft Windows, the Windows logo, Microsoft Notepad, Microsoft Windows Explorer, Microsoft Internet Explorer, and Windows NT are registered trademarks and ActiveX is a trademark of the Microsoft Corporation in the United States and/or other countries.

Unicode and the Unicode logo are registered trademarks of Unicode, Inc.

Google is a registered trademark of Google, Inc.

Copyright Ex Libris Limited, 2021. All rights reserved.

Document released: January 2021

Author: Daniel Greenberg, Rosetta Product Manager

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

Table of Contents

Table of Contents

Infrastructure **4**

1.1 Performance for large scale archives 4

1.2 Reporting Improvements 4

1.3 Upgrade to Tomcat 9.0.37 5

1.4 Preservation Planning Robustness 5

Data Management **6**

2.1 Institution-level Publishing 6

2.2 Enhanced S3 storage management 6

User Experience **7**

3.1 Simplified Material Flow Setup 7

3.2 Accessibility - WCAG 7

Integrations **8**

4.1 REST APIs – Deposit and SIP Processing 8

Delivery **9**

5.1 IIIF Support for non-image files 9

Preservation **10**

6.1 Events for DNX Validation 10

1

Infrastructure

1.1 Performance for large scale archives

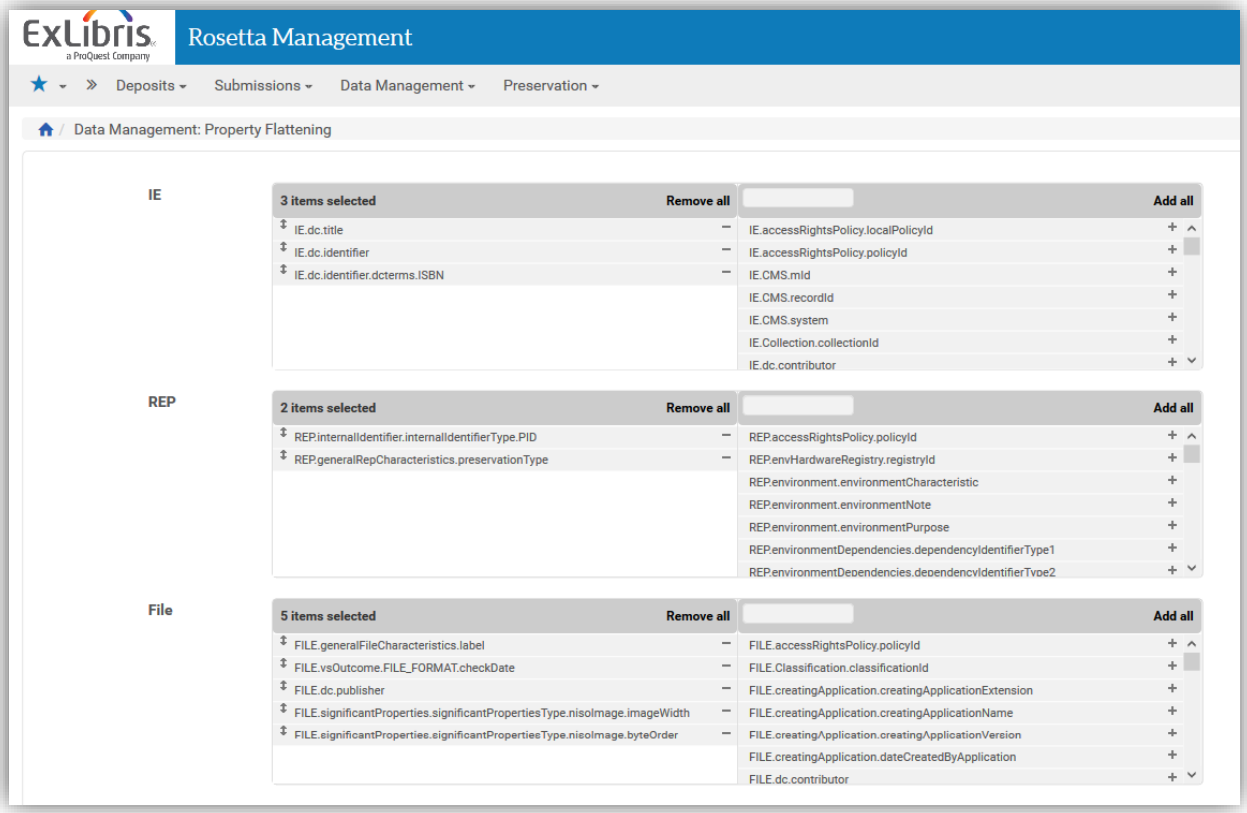
Unique local test environment setup at Ex Libris to simulate repositories of over 1bn files of diverse types and structures. Designated at identifying and remediating any issues encountered and providing preemptive fixes before customers reach such scales of content.

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.



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.

2

Data Management

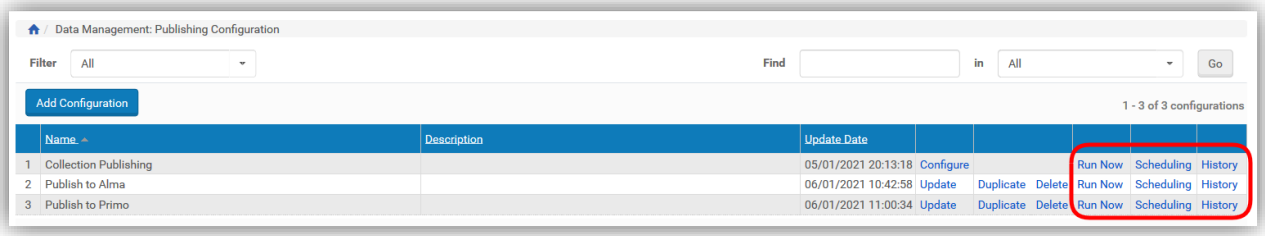
2.1 Institution-level Publishing

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.



2.2 Enhanced S3 storage management

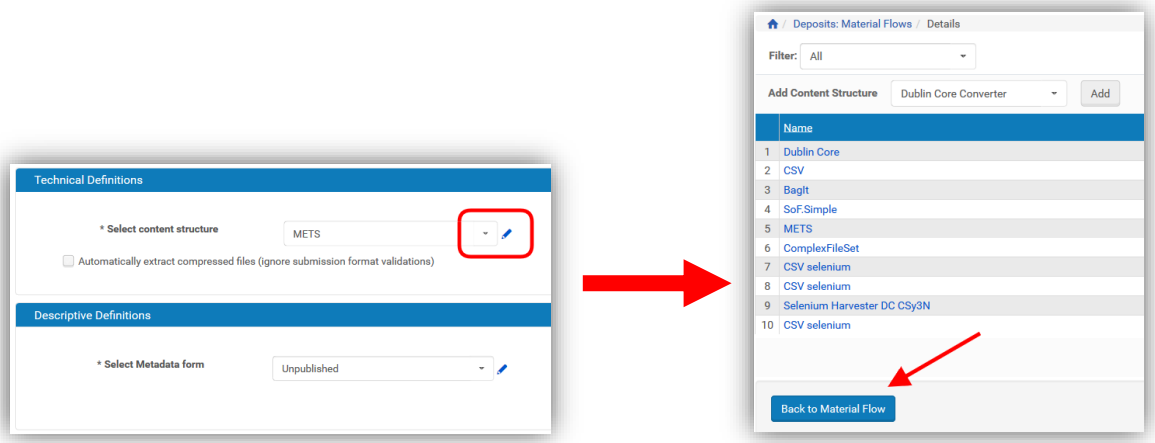
Storage plugin upgraded to use AWS SDK version 2, and now includes validation of MD5 checksum value retrieved from S3 storage against preserved value.

3

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.

4

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

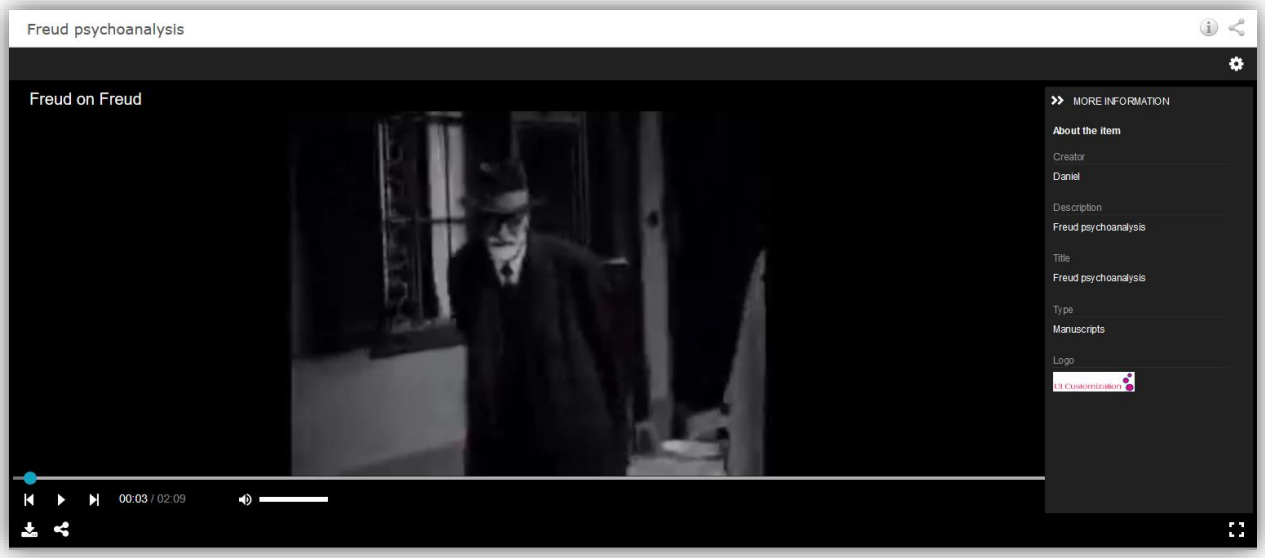
5

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.



6

Preservation

6.1 Events for DNX Validation

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