Rosetta Product Update

ELUNA 2019

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- Rosetta Community Updates
- r6.0 Overview
- Roadmap
Growing Number of Institutions Across all Regions

Serving more than 250 Institutions from 17 Countries
Installed Base Covering Various Institution Types

- National Libraries & Institutions
- State Libraries
- Academic Institutions
- Archives, Governmental, Public Libraries & Cultural Heritage
Please Welcome!

- Library of Virginia
- HEBIS
- La Sapienza
- RMIT
- National Geographic
Get to know the community.

When does the Virginia State Library date back to?

1. 1823

2. 1907

3. 2018
Get to know the community..

What is the meaning of the name Virginia?

1. Tribute to Virginia Woolf

2. Queen Elizabeth I of England, known as the Virgin Queen

3. Named after Virgil, the Roman poet
Get to know the community..

What is RMIT’s global ranking for Art and Design?

1. 35

2. 57

3. 11
Get to know the community..

Melbourne is the official world capital of which animal?

1. Porcupine

2. Fox

3. Bookworm
Get to know the community..

When was National Geographic Society founded?

1. 1888

2. 1956

3. 2001
Get to know the community..

Who was the 2\textsuperscript{nd} president of the NGS?

1. Halford Mackinder

2. Charles Darwin

3. Alexander Graham Bell
v6.0 Highlights

**Infrastructure**
- 3rd party upgrades
- Native SSL
- SAML – additional ID
- Access to system logs

**Preservation**
- Local risk management
- Validate DNX

**Data Management**
- File-level Access Rights

**Delivery**
- Mobile Support for IE Viewer

**Integrations**
- Add representation API
- SRU on file-level
- SRU reflect availability
- Google Cloud storage

**User Experience**
- User Preferences
- Free text in search
Upgrade Spring and Quartz

• Spring upgraded to version 4.1 as a preparation for Java upgrade expected in 6.1.

• Quartz was upgraded to 2.2.3
Native support for SSL communication

- Native SSL protocol is now supported, saving the need to install a load-balancer solely for that purpose.
- All HTTP endpoints of Rosetta are secured with HTTPS in order to ensure confidentiality, integrity and authenticity of transferred data.
- Blogpost [https://developers.exlibrisgroup.com/blog/native-support-for-ssl-communication/](https://developers.exlibrisgroup.com/blog/native-support-for-ssl-communication/)
SAML - support for additional unique ID

• Rosetta now supports additional unique ID for SAML authentication, beyond the existing user name.

• Any attribute can be used as a unique ID
Access to logs for Submission TA System Errors

• Error logs are now accessible from the System Errors tab of the TA workbench.
Improved Robustness

• Major emphasis on data inconsistency fixes

• Root cause analysis run for cases gathered by customers
## Risk management in the local format library

- A format risk can be added to the local format library.
- The locally defined risks will be retained during global format library updates.

<table>
<thead>
<tr>
<th>Active</th>
<th>Risk Name</th>
<th>Risk Identifier</th>
<th>Risk Type</th>
</tr>
</thead>
</table>

[Image of risk management interface]
Validate DNX during ingest

- DNX content validation during METS deposits, in addition to current METS validation.
- `validate_with_rosetta_mets` general parameter now covers DNX records too
- When enabled, an invalid DNX will cause the submission to fail to Deposit TA workbench and the validation error will be displayed to the TA.
- Rosetta will add METS and DNX namespaces and version information for validated files. This information can then be used by customers for validating METS files against the equivalent XSD of the same version, externally to Rosetta.
File-level Access Rights

• Access rights can be managed on the file-level.

• Customers can enable or disable the visibility of the restricted files in the viewer.

• Access rights are checked from IE to Representation to File
Mobile Support for the IE Viewer

• Responsive mobile design for the IE Viewer

• Swipe between files or browse multiple files in the content structure page.
User Preferences

• Favorites menu

• 3A Workbench

• Search Results
Free text in the search dropdowns list

• Search text in Rosetta UI can be provided as free text, in addition to existing option of selecting from an auto-completed dropdown list
API for Adding Representations of any type

• A new `addRepresentation` API enables adding representations to an IE in the permanent storage.

https://developers.exlibrisgroup.com/rosetta/apis/iewebservices/
SRU Request on the file level

• Support for SRU request on the file level

• Enables integrating with external systems which require searching for specific file PIDs and directly accessing the file
Distinguish fully and partially indexed results

- SRU responses now distinguish between full and partial query results due to unavailable index servers.

```xml
<records>
  <record>
    <recordSchemaInfo:schema/1.1/recordSchema>
    <recordPackaging>xml</recordPackaging>
    <recordData>
        <dc:identifier xsi:type="PID">FL25792183</dc:identifier>
        <dc:identifier xsi:type="stream">
        </dc:identifier>
      </dc:record>
    </recordData>
  </record>
</records>
<log>
  <flag diagnostic="true">
    <diagnosticInfo:diagnostic/1/10/</diagnosticInfo:diagnostic/>
  </flag>
  <logDetails>
    Result set created with valid partial results available.
  </logDetails>
  <logMessage>
    The following Solr servers are down: 11-perfrosettall.corp.exlibrisgroup.com. Search results may be partial. Please contact the System Administrator.
  </logMessage>
</log>
<searchRetrieveResponse/>
```
Permanent Storage plugin for Google

- Rosetta out-of-the-box set of permanent storage handler plugins was expanded to include Google Cloud, in addition to existing Amazon, Netapp and NFS storage handlers.
Coming Up Next!
6.1 Infrastructure

- Upgrade to SolrCloud
- Upgrade to Java 11
- Upgrade Universal Viewer
- Continue robustness improvements
6.1 Delivery

• Single File Download
• Add OOTB AV viewer
• Universal Viewer to download hi-res
• IE Viewer Enforced Download
• Download-all in IE viewer to reflect structmap
• IE Viewer - enhance configuration options
• IIIF API v3 research
6.1 Data Management

• Get SIP Status API to return number of Ies
• Possibility to abort a running Ingest
• Enable 3As to unassign SIP assigned to another staff member
• XSLT 2.0 in OAI transformation xsl
6.1 User Experience

• Simplify material flow setup
• Expand OOTB setup
• User Preferences – cont.
• Expand color scheme
6.1 Preservation

• Display deployed date against format library releases

• Display title of manually uploaded Format Libraries
Simplifying the Solution

Workflow Oriented UX

Workflow Oriented Training

Easy to use

Rich OTB Setup

Clean Workflows
Non-Functional Roadmap

Deployment
- Feature Preview

Documentation
- Update
- Workflow Oriented
- DB

Robustness
- RCAs
- Infrastructure
Delivery

Audio/Video Streaming

3D

IIIF – V3, IxIF
**6.X – 2019 / 2020**

### Preservation
- Simplified preservation planning
- Nested IEs
- Multiple Format Identification
- AIP Update enhancements
- AIP Export

### Data Management
- Multiple Storage plugin
- Video Streaming
- IxIF
- Integrations – Esploro and more
- Delete Reps
- SRU to include suppressed IEs

### Infrastructure
- SW Upgrades
- Improved Reports
- Improved Robustness
Rosetta Community

- Delivery & Integrations
- Digital Preservation
- Format Library
- System Operations
Rosetta Community

Rosetta WGs enhancement requests

Campfire

Chat casually with the group, ask random questions, and share stuff without ceremony.

Message Board

- DI05 - Include Suppressed IEs in SRU response when
- DP04 AIPExport
- DPHWG — DP04
- SG12 - RIP ID cleanup
- SOWWG — Enhancement
- SO11 - Multiconfig Storage Plugin
- SO10 - Enhance Rosetta load balancing behavior

To-dos

6.0 Planned WG features

6.1 Planned WG Features

- SO01 Consistency Checks #1
- SO02 Reliable Indexing #1, #3
- DI03 IE Viewer Enhancements
- SO07 Monitoring Logging and Indexing
- DI01 Enforce download

6.2 Planned WG Features

Schedule

- Mon, Jul 1
  Release 6.1
- Tue, Oct 22
  WG to submit 6.3 ERs
- Tue, Dec 31
  Release 6.2
- Jun 29, 2020
  Release 6.3

Automatic Check-ins

Create recurring questions so you don’t have to pester your team about what’s going on.

Docs & Files
Rosetta @ Preservation Community

Jhove Hack Week

WDPD

SCAPE

PASIG 2019

iPRES 2018