Rosetta Product Update and Roadmap
Rosetta Advisory Group 2016

Adi Alter | Rosetta Product Manager
Dvir Hoffman | VP Product Management & Marketing
2015-2016 Main Focus Areas
Main Focus Areas Since the Last RAG Meeting

1. Enhance Core Functionalities
2. Increase Synergy with other Ex Libris Products
3. Streamline the Implementation Process
Enhance Core Functionalities

Digital Asset Management
- Content Delivery
- Data Management
- Collection Management

Preservation
- Community-driven Knowledge Base
- Content Migration
- Preservation Standards Support

Research Data
- Integration with Research Systems
- Deposit Tools
- Sharing and Publishing

Infrastructure
- User Experience
- Security
- Performance & Scalability

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The Power of the Best of Class Suite Approach

Market leading Discovery Solutions
Fully integrated with Rosetta – Digital collection browsing

Primo & Summon

Alma

Market Leading Library Management Solution
Fully integrated with Primo, Summon and Rosetta

Rosetta

Market Leading DAM and Preservation Solution
Integrated workflows with Alma and Primo
Two-way Metadata Synchronization

- Manage Digital Objects Metadata in Alma using the familiar Alma UI
- Seamlessly Preserve Objects’ Data and Metadata in Rosetta

Automatic Metadata Synchronization
Discover Digital Collections via Primo

Manage Digital Collections in Alma or Rosetta

Discover and Easily Navigate through Collections in Primo
Streamline the Implementation Process

- Newly-formed dedicated implementation team
- Revised all implementation processes and deliverables
- New recorded training materials
- Developments supporting implementation needs
From Leuven to New York: A Year in Numbers
2 Major Releases

Version 4.2
June 2015

Version 5.0
December 2015

* and 2 minor ones – 4.2.1 & 5.0.1
## Version 4.2 Highlights – June 2015

<table>
<thead>
<tr>
<th><strong>Infrastructure</strong></th>
<th><strong>Security</strong></th>
<th><strong>Developer Network</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>SIP processing throttling</td>
<td>SE Linux</td>
<td>Plug-ins examples</td>
</tr>
<tr>
<td>Improved memory handling</td>
<td>OWASP HTML Sanitizer</td>
<td>Examples of OAI-PMH harvesting from DigiTool, DSpace, DigitalCommons &amp; ContentDM</td>
</tr>
<tr>
<td>In-place storage</td>
<td>Solr service authentication</td>
<td>BIRT report building description</td>
</tr>
<tr>
<td>Oracle 11.2.0.4, Solaris 11, Aurigma JS</td>
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<td>REST APIs documentation</td>
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<tr>
<td>Improved plug-ins deployment</td>
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</table>
# Version 5.0 Highlights – December 2015

<table>
<thead>
<tr>
<th>Preservation</th>
<th>Research Data</th>
<th>Infrastructure</th>
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</thead>
<tbody>
<tr>
<td>Format Identification Auto Correction Rules</td>
<td>CRUD Access Rights and Virtual Reading Room APIs</td>
<td>Support for Oracle 12c &amp; Red Hat 7</td>
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<tr>
<td>Index Technical Analyst Rules Events</td>
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<td>Preservation Plan Format ID Validation</td>
<td>Google Scholar Integration</td>
<td>Enhanced Security Performance Improvements</td>
</tr>
<tr>
<td>Droid 1.6</td>
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</tbody>
</table>

- **Data Management**
  - Two-way Metadata Synchronization over OAI-PMH
  - Publish Digital Collections to Primo
  - Improved Collection Management
  - CSV Deposit Enhancements

- **Data Management**
  - Index Technical Analyst Rules Events
  - Preservation Plan Format ID Validation
  - Droid 1.6

- **Infrastructure**
  - Format Identification Auto Correction Rules
  - CRUD Access Rights and Virtual Reading Room APIs
  - Support for Oracle 12c & Red Hat 7
  - Upgrade to Java 8, BIRT 4.5, JQuery 2.1.4, Solr 5.2.1, Tomcat 7.0.65
  - Enhanced Security Performance Improvements
4 Major Conferences

iPRES 2016 Chapel Hill Nov. 2-6

DCDC Conference
Discovering Collections Discovering Communities

Preservation and Archiving Special Interest Group 2016 Meeting - Prague

* + a couple of more regional ones
8 New Customers

- Shanghai Library
- ASU
- University of Minnesota
- OhioLINK
- Center for Jewish History
- UAB
- Oklahoma State University
Deposit Module

16 New Training Sessions Available on the Knowledge Center

This course includes the following sessions:

- Producers and Producer Agents
- Managing Material Flows 01 – Introduction
- Managing Material Flows 02 – Metadata Form
- Managing Material Flows 03 – Submission Formats
- Managing Material Flows 04 – Content Structure
- Managing Material Flows 05 – Access Rights and Retention Periods
- Managing Material Flows 06 – Putting Together the Components
- Managing Deposits – Rosetta Deposits for Staff Users
32 Code Examples Uploaded to GitHub

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access Rights</td>
<td>ARPlugin</td>
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<tr>
<td>Archive Decomposer</td>
<td>DecomposerPlugin</td>
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<tr>
<td>Converter (Book)</td>
<td>ConverterRegistryPlugin</td>
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<tr>
<td>Custom Fixity</td>
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<tr>
<td>Field Validator</td>
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<td>Persistent Identifier</td>
<td>PIGenerator</td>
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<td>Start-up Check</td>
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<td>Storage Handler</td>
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<td>Technical Metadata Extractor</td>
<td>MDExcatorPlugin</td>
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<tr>
<td>Viewer Pre-Processor</td>
<td>VPPPlugin</td>
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<tr>
<td>Virus Check</td>
<td>VirusCheckPlugin</td>
</tr>
</tbody>
</table>
> 64 Surveys with a Positive Score (86% Positive Rate)

Dear [Name],

Your case "[Case ID]" (#00 [Case ID]) is now closed. We would be very grateful to hear how satisfied you were with the way Ex Libris handled this case. This will only take a moment of your time. Please choose one of the ratings below:

- Very Satisfied
- Satisfied
- Dissatisfied
- Very Dissatisfied

Your feedback is very important to us. Thank you for helping us to improve the support Ex Libris provides to our customers.

Thank you,
Ex Libris
> 128 Enhancements and New Features

Enhanced Viewers Customization
Scheduled Reports Sending
CRUD Access Rights APIs
Improved Collection Management
Two-way Metadata Synchronization
Format Identification Auto Correction Rules
OWASP HTTP-S SAMBA New Features
Infrastructure upgrades
TA Rules Sharing
SIP processing threshold Creation Ordering
Improved memory handling
New XML Editor
Deposit Prioritization
Enhanced Search
Plug-ins examples
Index TA Rules Events
Improved UI
Primo Collections
Tracking Changes to AR Policies
Enhanced Cleanup Processes
CSV Deposit Enhancements
Virtual Reading Room APIs
Google Scholar Integration
Consistency Checks
Preservation Plan for more than One Format
256 Daily Standup Scrum Meetings

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... Ensuring an Exciting Roadmap
Roadmap Overview
Rosetta Roadmap Schedule

Version 5.0
- December 2015
- SP 5.0.1 April 2016

Version 5.1
- August 2016

Version 5.2
- December 2016
- SP 5.2.1 April 2017

Version 6.0
- August 2017

Version 5.0
- December 2015

Version 5.1
- August 2016

Version 5.2
- December 2016

Version 6.0
- August 2017
SIP Deposit Prioritization

Enable fast deposit of content with higher priority
Improved deposit tools providing better control on the deposit process

- Enable bulk operations on the SIPs deposit workbench
- Edit submissions via the web deposit UI
- Improved submission job history management
Ingest

**Validation Stack Enhancements**

### Technical Analyst Workbench
- Improved design
- Technical Analyst rules export to enable sharing rules within institutions

### Virus Check Plug-in
- Multiple exit codes enabling error differentiation
- Rules for automatic handling of virus check errors

### Fixity Checks
- OOB support for SHA-256
Duplicates Management

1. Define criteria for duplicates
2. Identify duplicates on deposit
3. Remove duplicates from the system
Enhanced Search

- Support NOT in SOLR queries
- Improved smart-search for all controlled-vocabulary fields
- Improved indexing and search performance
New Text / XML Editor

Easy editing of text and XML files using a graphical XML editor:

- Structmaps
- Source metadata
- Configuration files
- XSL files
Enhanced Source MD Support

- Edit Source MD using a graphical XML editor
- Index Source MD elements
- Enable searching through source MD elements
Improved Collection Management

Collection Management UI

- Collection ordering
- New collection history tab

Automatic Collection Management

- Create and update collections thumbnails via APIs
- Collection ordering API
- New task to assign collection by METS
- Automatically unassign IEs from sub-collections

Collection Discovery

- Discover collections in Primo based on the given order
New plug-in to automatically determine the quality of migration plans by comparing between files pre- and post-migration.
Preservation Enhancements

Consistency Checks
- New report for retrieving objects’ full storage path
- New plug-in for identifying missing files

Simplified Preservation Planning
- Enable creating a preservation plan from more than one file format

Custom Events Support
- Enable depositing of provenance events into Rosetta
- Custom events will be searchable, publishable, and exportable

Tracking Changes to Access Rights Policies
- New AR policy audit trail page that will track policy changes
- Provide APIs for tracking changes
Enable publishing of derivative copies - and not only preservation representations - to external discovery systems using OAI-PMH
Enhanced Viewers

New Viewers

- New JWPlayer with support for HTML5
- New FlexPaper with support for HTML5
- New REP viewer supporting native HTML5 players
- Additional viewers are currently under review

Viewers Customization

- Enable setting any viewer parameters from within Rosetta
- Allow external viewers to be called outside of Rosetta’s delivery page context
New Viewers

- New JWPlayer with support for HTML5
- New FlexPaper with support for HTML5
- New REP viewer supporting native HTML5 players
New APIs

IE Update
- Add derivative copies
- Update representation's non-physical StructMap
- Get file physical location
- CRUD access rights on access copies

Deposit
- Get SIP Status by External ID
- SIP Status for List of SIPS

Collection Management
- Create and update collection thumbnail
- Collection ordering
SWORD and BagIt Support

- Support depositing data from SWORD repositories into Rosetta
- Support depositing BagIt "bags" into Rosetta
- Support exporting BagIt "bags" from Rosetta
Performance Improvements

- Deposit and Ingest
- Data Processing
- Search and Indexing
- Publishing
Improved User Experience

Multiple UI and UX changes throughout the system

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</table>
Support Single Sign-on (SSO) over SAML (Security Assertion Markup Language)

- SAML Identity Provider (Customer Hosted)
- User
- Rosetta - SAML Service Provider
Documentation and Training

• New training videos

• Improved plug-ins and APIs documentation

• Load Balancer documentation

• Revised Rosetta-Primo Integration Guide

• Provide documentation for all Rosetta’s events

• Provide documentation for email notifications mapping
Version 5.1 Highlights – August 2016

Enhanced Viewers Customization
New Viewers
Enhanced Search
Collection Ordering
SIP Deposit Prioritization
Improved Deposit Management
Derivative Copies Publishing and Creating
New XML Editor
Improved Collection Management

Create a Preservation Plan for more than One Source Format
Share Technical Analyst Rules between Institutions
File Comparison Plug-in
Consistency Checks
Tracking Changes to Access Rights Policies
Validation Stack Enhancements

Deliberative Processes Audit Trail

Performance Improvements
Enhanced Clean-up Processes
Enhanced Indexing
Improved UI
New APIs
THANK YOU
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Dvir.Hoffman@exlibrisgroup.com