



Rosetta and the SCAPE Platform

Opher Kutner

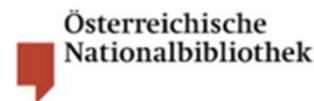
Rosetta Business Analyst, Ex Libris

Rosetta Advisory Group Meeting

Jerusalem, June 18, 2014

A few numbers...

- February 2011 – September 2014 (44 calendar months)
- 1,384 person months (Ex Libris: 31 PMs)
- 20 partners, 10 countries



This work was partially supported by the SCAPE Project.
The SCAPE project is co-funded by the European Union under FP7 ICT-2009.4.1 (Grant Agreement number 270137).

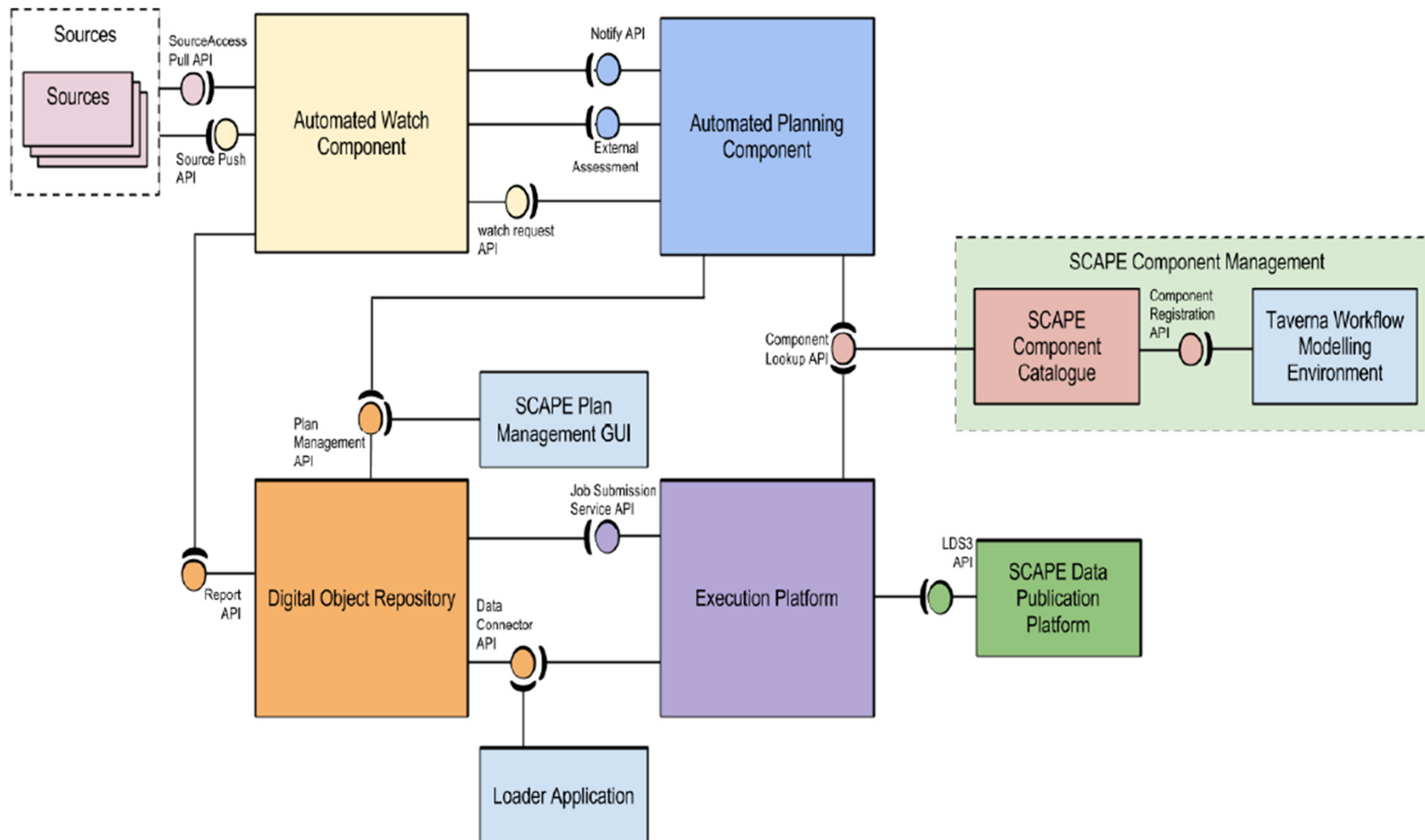


- Develop infrastructure and tools for scalable preservation actions
- Provide a framework for automated, quality-assured preservation workflows
- Integrate these components with a policy-based preservation planning and watch system

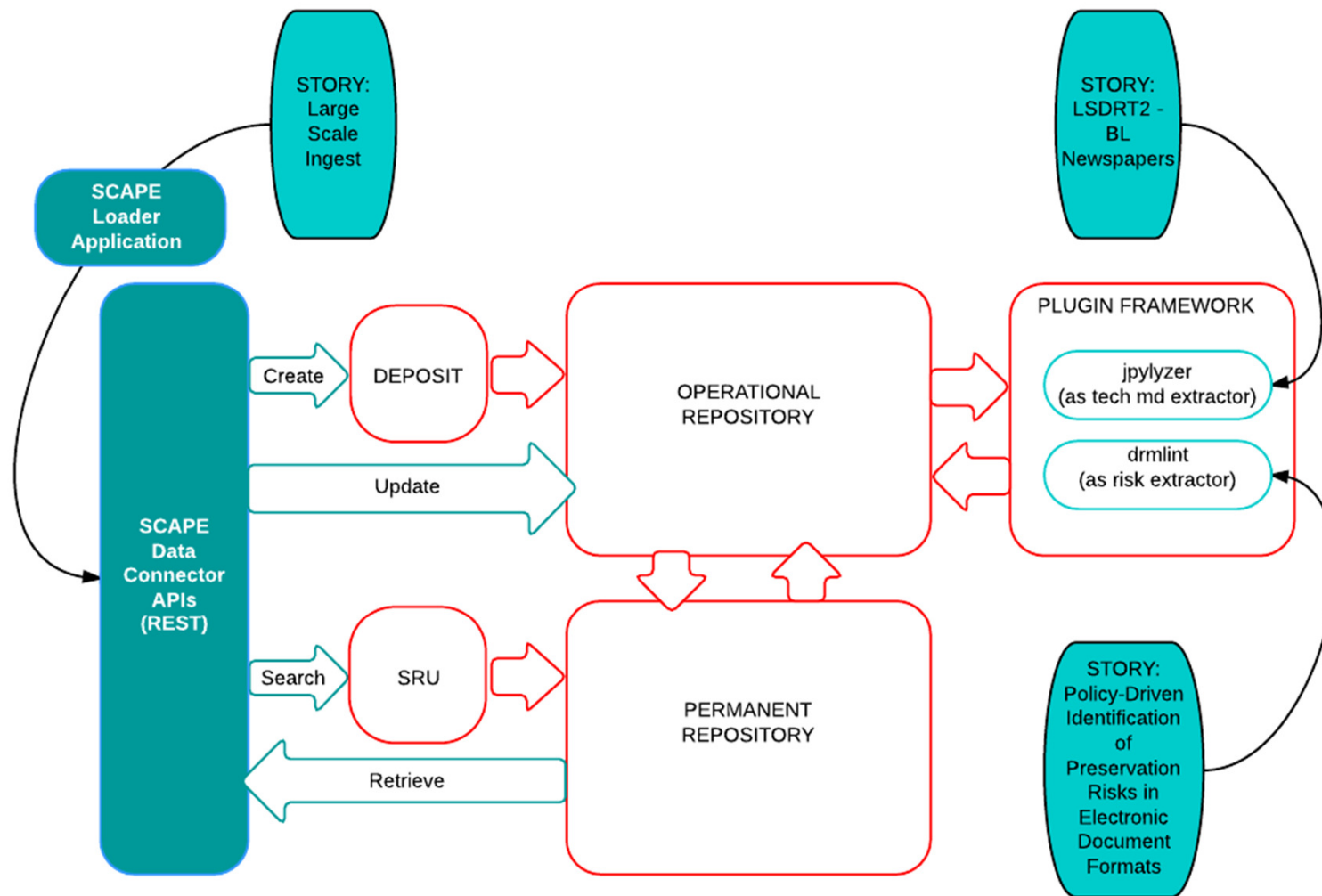
From the DOW:

“Ex Libris brings extensive experience of large projects to the SCAPE consortium, including the successful implementation of its own open-architecture digital preservation system, Rosetta. The company will contribute to integration of SCAPE with Rosetta, will be involved in the testbed implementation... and play a key role in the project’s take-up and sustainability activities.”

SCAPE Ecosystem



SCAPE-Rosetta Integration: Overview



SCAPE Repository: Data Connector RESTful APIs



- Ingest an Intellectual Entity synchronously
- Ingest an Intellectual Entity asynchronously*
- Retrieve an Intellectual Entity*
- Retrieve a version list for an Intellectual Entity
- Retrieve a File*
- Retrieve named bit streams
- Retrieve a metadata record*
- Retrieve a set of Intellectual Entities
- Retrieve the lifecycle status of an entity*
- Retrieve a Representation
- Update an Intellectual Entity
- Update a Representation of an Intellectual Entity*
- Update the metadata of an Intellectual Entity*
- Search Intellectual Entities in a collection
- Search Representations in a collection
- Search Files in a collection

* General availability planned for Rosetta 4.1.



*This work was partially supported by the SCAPE Project.
The SCAPE project is co-funded by the European Union under FP7 ICT-2009.4.1 (Grant Agreement number 270137).*



SCAPE-Rosetta Integration: Jpylyzer



- JP2000 validator and metadata extractor
- Home page: <http://openplanets.github.io/jpylyzer/>
- Implemented in Rosetta as technical metadata extractor plugin
- Full details on Developer Network:
<https://developers.exlibrisgroup.com/blog/Jpylyzer-Technical-Metadata-Extractor-Plugin>

SCAPE-Rosetta Integration: DRMLint



- Checks for format validity and detect DRMs in PDF and EPUB files
- Home page: <https://github.com/openplanets/drmlint>
- Implemented in Rosetta as risk extractor plugin (PDF only)
- Full details on Developer Network:
<https://developers.exlibrisgroup.com/blog/drmlint-risk-extractor>

How Rosetta Benefited

- Expansion of Rosetta functionality
- Collaboration discussing new use cases, challenges, and best practices
- Experimentation with innovative technology
- Interaction with key players in the digital preservation community

<http://www.scape-project.eu/>

<https://twitter.com/SCAPEproject>