Rosetta as the Institution Digital Repository Backbone

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Rosetta is a complete digital asset management and preservation solution that addresses the ever-growing need to collect, archive and preserve the digitally-born and digitized materials stored at academic institutions, research organizations, and government institutions, ensuring data integrity and access over time.
SELECTED BY LEADING INSTITUTIONS WORLDWIDE

Major Religious Institution

Saxon State & University Library Dresden

German National Library of Science and Technology

TIB

Landesamt für Archäologie
sachsen.de

ETH-Bibliothek
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Binghanton University
State University of New York

University of Nebraska Lincoln

University of Utah

Gettysburg College

Byu

Memorial University of Newfoundland

Rosetta
ROSETTA AS THE INSTITUTION DIGITAL REPOSITORY BACKBONE

- IT Department
- Legacy DAM Systems
- Research Groups
- University Heritage Centers
- Institutional Repositories
- University Archives
- University Libraries
THE NEED TO SHARE SERVICES IS ALSO CROSS-INSTITUTIONAL
The Consortium Model
Highly Configurable Workflows
Open, Extendable and Integrative
THE CONSORTIUM STRUCTURE
Shared Services Leveraging the Economies of Scale

Central Management
- Preservation Planning
- System Configuration
- Tools & Integration Management

Consortium

Institutions
- Institution A
  - Local Storage
  - Local Data
  - Local Staff
  - Local Processes
  - Local Depositors
- Institution B
  - Local Storage
  - Local Data
  - Local Staff
  - Local Processes
  - Local Depositors
- Institution C
  - Local Storage
  - Local Data
  - Local Staff
  - Local Processes
  - Local Depositors

Departments

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EXAMPLE - THE GOPORTIS CONSORTIUM

Consortium

Institutions
- TIB (Hannover)
- ZB Med (Köln/Bonn)
- ZBW (Kiel/Hamburg)

Departments
The Consortium Model

Highly Configurable Workflows

Open, Extendable and Integrative
Multiple Workflows

- **Manual Workflow**
  - Out-of-the-box web-based user interface

- **Semi-automatic Workflow**
  - Bulk upload from FTP sites, an NFS storage, with a CSV or XML file or using an OAI-PMH harvester

- **Automatic Workflow**
  - Using Rosetta’s submission jobs or using Rosetta’s APIs for building your own submission applications for large, frequent deposits
Rosetta OAI-PMH Harvester scheduled job harvesting content from an ILS system. SIP harvesting web-based user interface. Desktop submission application using Rosetta's APIs.

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Automatic and Manual Processes

- Virus checks
- Checksums validation and generation
- Format identification
- Technical metadata extraction and validation
- Curatorial and accession processes
- Enrichment processes
**INGEST EXAMPLES**

- **Librarian**
  - Only automatic processes
  - No need for manual curation processes
  - Creation of an access copy

- **Archivist**
  - Only a sample of 10% of the content will go through manual curation processes
  - No access copy as the content will be deposited to a dark archive

- **Researcher**
  - 100% of the content will go through manual curation processes so that a SME will manually add metadata
  - Create access copies only for some of the data
- DIP creation
- Resource discovery by external search engines
- Standard communication protocols for accessing data in the permanent repository:
  - OAI-PMH for Ex Libris Primo
  - Search/Retrieve via URL (SRU)
  - Search/Retrieve Web Service (SRW)
Delivery based on access rights policies
Out-of-the-box viewers such as:

- FlexPaper – Book/Document Viewer (PDF, DOC, XLS, PPT)
- JWPlayer – Audio/Video Viewer
- Photo Album/Image Collection
- Internet Archive Book Reader with METS ALTO Support

Additional viewers can be added as plug-ins
DELIVER EXAMPLES

Librarian

Archivist

Researcher

OOB Viewers

Dark Archive

Delivery Plug-ins
- Active preservation
- Risk analysis
- Migration tools
- Deletion policies; retention policies
- Full metadata representation on disk
- Periodical maintenance tasks such as virus and fixity checks
- METS profile stored publicly on the LOC website
The Consortium Model
Highly Configurable Workflows
Open, Extendable and Integrative
Rosetta connects your past, present and future. Learn how to connect to Rosetta using our APIs.

Learn
In depth documentation of our APIs:
- Collection Management
- Data Management
- Delivery
- Deposit
- IE Update
- Producer Management

Integrations
Rosetta integrates with Aleph, Primo, and Voyager via SRU, OAI-PMH, and specifically developed APIs. Learn more...
- Viewers
- Delivery (Deep Linking)
- Search (SRU)

SDK Projects

Share
Share your experience and read other success stories at the Rosetta Developers Blog

Latest entries:
- 07 Jul 2014
  Using the IA Book Reader to Deliver PDF Content
- 30 Jun 2014
  ExLibris Migration Tool Online
The ETH Case Study
Established in 1855

Serves as:

- The main Library of ETH Zurich - Swiss Federal Institute of Technology in Zurich
- National Center of Natural Sciences and Technology Information
• Old and rare books
• Images archive
• Graphic arts collection
• FocusTerra
• Prints and drawings
• University archives
• Maps
• Collection of materials
• Max Frisch archive
• Collection of cultural goods
• Thomas Mann archives
Formats in Use
Which formats do you and your research group work with?
HANDLING DIVERSE DATA TYPES

Data production and archiving

Researchers
- Measurement Calculation Interpretation
- Fileserver, application etc.
- Local storage? Deletion?

Administration
- Documents Records
- Fileserver, SAP usw.
- Auditable filing? Deletion?

Library
- Digitisation Licensing Deposit
- Fileserver, Online-platform
- Local storage? Deletion?

(Re-) Use

Knowledge portal et al.

Stable reference (eg. DOI)

Access according to producers’ choice

ETH Data Archive (Rosetta)
Hierarchical storage environment of ETH Zurich
THANK YOU!

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