Digital Preservation Tools: Open-source Archival Cataloging Software

Kurt Helfrich
Chief Archivist & Collections Manager
British Architectural Library
British Architectural Library Systems - an integrated future

Features:
- Integrated systems in the Collection Management System "Cloud"
- Metadata standards
- Single point of enquiry for digital resources
- Digital Asset Management System
- Retroconversion workflow into the CMS "Cloud"
- Secure data ESCROW storage
- Commercial presence in RIBApix.com

www.architecture.com
www.ribapix.com
http://riba.sirsidynix.net.uk/uhhtbin/webcat

RIBA Architecture.com
The Lutyens Family Papers

1.1 1926 September-October 6 letters L/B/1/1-6
Visits made: Lucinda House, Godalming, Surrey; Riza Gertrude Joyce (Sep. 24); [letter], Somerset (Oct. 5).

Other comments:

1.2 1927 January 3 letters L/B/1/3/1
Meetings with: Mr. G. A. Cook (Sellingstow, Sussex); Mr. and Mrs. J. H. Rainsford, Chief Secretary to the Governor (Feb. 19).

1.3 1927 February 38 letters L/B/1/3/28
Visits made: Brighton Mr. Wilcox, alterations at Holwood, London (Feb. 5); Woodside, Windermere, W. Sussex (Feb. 7); Millford House, Godalming, Mrs. Sarah Webb (Feb. 8); Trenchard House, Surtees (Feb. 11); Riza Gertrude Joyce (Feb. 12). Championship House, near Guildford, Hants: (Feb. 13).

Meetings with: Mr. Gerald Killew and Lord Edward, the Dowager of Kilshrew, alterations at Holwood, London (Feb. 5). Haverstock House (Feb. 19). Mrs. A. W. Chappell, Coxley (Feb. 23). Mr. and Mrs. Rainsford (Feb. 29). Lord and Lady Loddon: Lord Loddon was keen that he should do the Shell Margaret Harvest

Lutyens Family papers
ArchivesSpace 1.0 Features

- Accession management
- Multilevel archival description with rapid data entry, with drag and drop user interface
- Digital object metadata management
- Relationships between records
- Location management
- Event records for preservation /collection management actions
- Authority control for people, corporate bodies, families, subjects, classifications, software
- Public discovery interface
- Import and export of EAD and MARCXML; import of CSV; export of MODS, METS, & DC
- Support for multiple repositories and multi-tenancy
- REST API
- Full-text search
- Plugin architecture
- Controlled value lists
- Configurable permission “groups”
- LDAP authentication
We are the Archivematica and AtoM lead developers.

Archivematica is an open-source digital preservation system designed for standards-based, long-term access to digital material. It implements strategies that deal with technology obsolescence and incompatibility to ensure that digital objects remain authentic, accessible and usable into the future.

AtoM is fully web-based, multi-lingual, archival description software that was originally commissioned by the International Council on Archives to make it easy for archival institutions worldwide to put their archival holdings online using the ICA's descriptive standards.

News
- Digital preservation milestone: Rockefeller Archive Center at 3.5 TB and counting!
  - October 7, 2014
- AtoM 1.2 Released!
  - September 22, 2014

http://www.artefactual.com/
Archivematica + DuraCloud “Soup-to-Nuts” Preservation Service Beta Test launched

The Archivematica + DuraCloud hosted service has launched a beta test with pilot partners that will be ongoing from October 2014 to January 2015. The organizations participating in the pilot are:

Berea College (http://www berea edu)
The Huntington Library (http://huntington org)
Illinois Wesleyan University (http://www iwu edu)
Kansas State University (http://kou edu)
North Carolina Department of Cultural Resources State Archive and State Library (http://www ncdoe gov)
Pepperdine University (http://www pepperdine edu)
Phillips Academy (http://www phillipsacademy edu)
University of Texas at San Antonio (http://utsa edu)
University of Washington (http://www washington edu)

Ensuring that robust Archivematica Archival Information Packages (AIPs) have a secure long-term home is the idea behind the new Archivematica + DuraCloud hosted service. The new integrated service is designed to provide users with a robust preservation workflow plus long-term archiving in a single hosted solution.

The DuraCloud cloud-based archiving and preservation service platform manages and preserves digital objects. DuraCloud enables user management and preservation of content without locking into a single cloud provider. DuraCloud also features value-added services such as regular bit-level health checks for all content stored in DuraCloud. The platform is open-source and free to download, but also available as a hosted solution from DuraSpace.

Archivematica is an open-source tool for ingesting digital objects and preparing them for long-term preservation. Archivematica accommodates a variety of OAI-PMH digital curation workflows, and provides a flexible framework for normalizing ingested digital objects into durable, preservation-friendly formats. The system performs a series of preservation microservices and generates Archival Information Packages (AIPs) consisting of the ingested digital objects, any normalized preservation masters generated during processing, and detailed PREMIS metadata packaged into standard METS XML files.

The powerful combined Archivematica + DuraCloud service meets all 21 aspects of managing and preserving digital objects identified by the IMLS funded white paper “From Theory to Action”, which analyzes and compares digital preservation solutions for under-resourced institutions. The service will be launched to the general public early 2015, based on the completion of a successful pilot.

If your organisation is interested in learning more about the new Archivematica + DuraCloud service please contact Evelyn McLeish (evelyn artefactual com) or Michele Ginton (mginton dura space org), or complete the inquiry form at http://duracloud org/archivematica.
Systems for Managing Digital Media Collections

Everyone's collection and context is unique, so your choice of a system (or systems) for managing your digital media will require a careful assessment of your needs and resources and an evaluation of the available options. This paper provides an overview of a number of different approaches to media management, from some very cheap and 'low-tech' approaches to much more complex and specialised solutions.

Introduction

In many ways, creating digital media is the easy part of building a collection. What is often harder, but is certainly just as important, is to establish an effective way of storing and providing access to your collection.

We have given more than thirty examples of systems below, with links to further descriptions on JISC Digital Media's website or to external sites. These examples are not meant to be exhaustive or to imply any sort of endorsement or criticism. They are offered for information purposes only. This is a competitive and fast-changing environment, in which new versions are pushed out, new systems emerge, and last year's cutting-edge features become standard issue.

http://www.jiscdigitalmedia.ac.uk/guide/systems-for-managing-digital-media-collections/
Tool Grid

This tool grid is the product of researching digital preservation tools by Digital POWRR team members in early 2013. The information included is accurate to the best of our knowledge, but some information may be incorrect or have changed. We learned the information from various sources including tool websites, contacting the tool developers directly, discussion boards, and some direct tool testing. To learn more details about a tool click on the tool name. The categories and some cost cells will show more information if you hover your cursor over that cell. The dates in the additional information about each tool pertain to the most recent release of software if possible, websites and other information may be more recent.

The categories addressed are based on the OAIS Reference Model. We know not every tool will meet every part of the OAIS model, but we thought laying them out this way would help people see how they might fit together to do different steps needed for preservation and/or storage.

*The POWRR team is doing comprehensive testing of Archivematica, Curator’s Workbench, DuraCloud, Internet Archive, MetaArchive, and Preservica. The results of this testing process will be released in early Summer 2014. The tools that will be comprehensively tested are highlighted in blue and more information will be added about these tools at the end of the research process.

Have a question or comment? Please, Contact Us!

Download an Excel version of the Tool Grid

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<th>Digital POWRR</th>
<th>Ingest</th>
<th>Processing</th>
<th>Access</th>
<th>Storage</th>
<th>Maintenance</th>
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http://digitalpowrr.niu.edu/tool-grid/
The BitCurator initiative develops and supports open source digital forensics tools for use in libraries, archives, and museums. Follow the links below to find out more about our projects and community-building efforts.

**BitCurator Access Project (2014-2016)**
**BitCurator Project (2011-2014)**
**BitCurator Consortium**

Brief summaries of our past and ongoing efforts:

**BitCurator Access Project**

The BitCurator Access project will focus on technologies that simplify access to raw and forensically-packaged disk images, allowing collecting institutions to provide access environments that reflect as closely as possible the original order and environmental context of these materials.

**BitCurator Project**

The BitCurator project was a joint effort led by the School of Information and Library Science at the University of North Carolina, Chapel Hill (SILS) and the Maryland Institute for Technology in the Humanities (MITH) to develop a system for collecting professionals that incorporates the functionality of many digital forensics tools. The project was originally (2011-2014) funded by the Andrew W. Mellon Foundation. Community support and ongoing software development are managed by the BitCurator Consortium.

**BitCurator Consortium**

The BitCurator Consortium, supported by Educonda, provides ongoing support for BitCurator software products and the BitCurator community.

[http://www.bitcurator.net/](http://www.bitcurator.net/)
BORN-DIGITAL DESIGN DATA SPECIALISTS NETWORK

Join our network of those who produce, manage and archive design records/data and attend our inaugural meeting in London in early 2015.

Do you produce, manage, or ‘archive’ architecture and design records/data? Are you interested in participating in a UK network to develop shared methods to provide long-term access to these kinds of records? If so, please e-mail kurt.helfrich@riba.org to express your interest – we will be organising an inaugural meeting in London in early 2015.

kurt.helfrich@riba.org