AtoM and Archivematica

Use Cases

Some examples of how AtoM and Archivematica are used by our global communities
AtoM Use Cases

Medium to Large Deployment Model (Artefactual):

- ES and MySQL deployed on separate server
- Internal read/write and testing webservers
- Separate public read-only front-end web server – content proxied via firewall and replication script
Welcome to the online catalogue for the BC Archives. This catalogue contains the archival descriptions of government and private records that are of enduring value to the province of British Columbia. New information is continually added, including some digital copies of records, giving ever growing access to the archival materials.

Access and Search Tips

To begin accessing the descriptions, explore the records by using the search box or advanced search options above. Alternatively, use one of the browse options to access records by title or associated authority (people/organizations, places or subjects).

For precise searching, use the search operator AND (must be in uppercase) in any given search box (e.g. Begbie AND Douglas; Esquimalt AND Macaulay, etc.). Quotation marks should be used when searching for phrases and/or numbers (e.g. "Denman Island", Princeton AND "coal mine", "E-07403", "GR-1372.1 Bar", "CM/B1560", etc.). You can also use the * and ? symbols as multiple and single character wildcards (e.g. parade*, legislat*, m?crae). For more detailed information about searching, please visit our brief or extended search guides.

To search within a particular type of record, please see the links below.

Cartographic records

Visual records

Moving image records

http://search-bcarchives.royalbcmuseum.bc.ca/
AtoM Use Cases

Using TRIM as the EDRMS System of Record with AtoM for archival access:

• TRIM CSV export
• Custom transformation script of TRIM CSV to AtoM-compatible format
• Import into AtoM
World Bank Group Archives Holdings

Welcome

WORLD BANK GROUP Archives

The World Bank Group Archives Reading Room will be closed December 19, 2016 to January 6, 2017 inclusive.

https://archivesholdings.worldbank.org/
Welcome to the United Nations Archives Search Engine

The archives of the United Nations cover four broad areas: the Secretaries-General, Secretariat Departments, Peacekeeping Missions, and Predecessor Organizations. The archives are arranged into Series which fall under larger archival groups (or “Fonds”) that are derived from the particular office or agency that created them. The creating agency can be a United Nations department, mission, panel or body, Secretary-General, or other United Nations functional unit. You can do a keyword search (above), or click the links below to browse through the Fonds and Series. Some of our records are digitized, and so, these items can be viewed online and/or downloaded.

Whether you are a writer or graduate student, genealogist or historian, successful use of archives depends on a carefully planned research strategy. The strategy should allow adequate time for background research, establish which collections hold relevant archives, and include a work schedule which takes into account the extent of the material to be consulted. If you would like to make an appointment to conduct on-site research, please visit our Contact page.

Secretaries-General
- Ban Ki-Moon (South Korea) Term of Office: 2007-present
- Kofi A. Annan (Ghana) Term of Office: 1997-2006
- Dag Hammarskjöld (Sweden) Term of Office: 1953-1961

Secretariat Departments
- UN Registry (1946-1983)
- Department of Economic and Social Affairs: DESA
AtoM Use Cases

Details – see AtoM Roadmap: https://wiki.accesstomemory.org/Releases/Roadmap#import-and-export
Welcome to the Archives Society of Alberta’s online portal to archival collections in Alberta. *Alberta on Record* gives access to collections preserved in many archives throughout the province. You can search thousands of descriptions of archival records, photographs, and textual records held in Alberta’s archives. The database also hosts records from Yukon archival collections.

Use the search box with names or keywords to find particular records or use the browse option to discover the memory and evidence of Alberta.

For access to holdings or for reproduction information, please contact the archival institution that is responsible for the records you are interested in.

https://albertaonrecord.ca/
AtoM Use Cases

Access to Memory (AtoM) command-line interface tutorials

This series of tutorial videos will introduce AtoM users to some... more

https://www.youtube.com/playlist?list=PLZiwlG5eSMeyeETe15EsEBSu5htPLK-wm
Welcome to Seneca College Archives

The Archives identifies, preserves, and makes available for use the documentary heritage of Seneca College.

We collect in-active records of long-term value produced by the departments and faculties of Seneca College (College Records), as well as the records of individuals and organizations closely associated with the College (Private Records).

Records in our collection include, but are not limited to the following formats: textual, moving image, sound, graphic, architectural drawings, publications, and artifacts.

Our resources are open to all members of the College community for the purposes of research, teaching, publication, television and radio programmes, and for general interest.

Reproduction or referral to the Archives’ holdings must be cited accurately. For more information on citation contact the Archivist.
Create a custom theme

In most cases, it's probably enough to build a custom theme upon an existing one and preferably to use one that relies on our base theme Dominon, so you don't have to get your hands too dirty. It's in the details where most of the complexities are found. Dominon is the result of a cyclic process of testing and refining by a large community of users, try not to underestimate that!

AtoM bundles two themes: arDominonPlugin and arArchivesCanadaPlugin. Their names follow the naming convention of Symfony 1.x plugins, because that is how themes are implemented in AtoM. You may want to read more about Symfony plugins later following one of their guides.

arDominonPlugin is the default theme, i.e. the theme that will be used in a fresh installation.
arArchivesCanadaPlugin was developed as an extension of the former and the following instructions will show you how to create your custom theme as we did with arArchivesCanadaPlugin.

Assuming that you already have AtoM installed in your development environment (you can use our Vagrant box), let's start building the plugin structure from the command line. Our theme is going to be called Corcovado (arCorcovadoPlugin). We are going to track its contents with git and publish them in a remote repository hosted by GitHub so we can enable others to contribute in the development. The repository is open source so you can use it for your own reference. see https://github.com/artefactual-labs/atom-theme-corcovado. You can also create your own repository.

Let's begin to do some real work:

```
$ cd ~/atom/plugins
$ mkdir arCorcovadoPlugin
$ git init
$ echo "# Corcovado theme" > README.md
$ git add README.md
$ git commit -m "Initial commit"
$ git remote add origin git@github.com:artefactual-labs/atom-theme-corcovado.git
$ git push
```

We've created an empty directory where our plugin is going to be. Our first file and published our work to GitHub! However, our plugin is now waiting for AtoM to recognize it and allow us to enable it. Let's make that happen:

```
$ cd ~/atom/plugins/arCorcovadoPlugin
```
Archivematica Use Cases

Building a Digital Repository with Archivematica and AtoM

SFU AtoM
Your portal to SFU’s archival holdings

Browse by
- Archival descriptions
- Person/Organizations
- Repositories
- Functions
- Subjects
- Places
- Digital objects

Popular this week
- Course outlines database export: 69 visits
- Desiderata.pdf: 24 visits
- Simon Fraser University Archives and Records Management Department: 22 visits
- Women’s movement collection (Anne Roberts collector): 19 visits
- Mark Winston fonds: 17 visits
- Pestology Centre: 14 visits
- Convocation June 2016: 13 visits
- W.A.C. Bennett fonds: 11 visits
- Patrick McTaggart-Cowan fonds: 11 visits
- Apiculture (beekeeping) collection: 11 visits

SFU AtoM (Access to Memory) is a collaborative venture of SFU Archives and SFU Library’s Special Collections and Rare Books.

SFU AtoM provides a single interface for searching the archival holdings of both repositories. The database contains descriptions of records existing in many media and formats; where digital copies are available, they are accessible directly from the description. Over time, we will be increasing the digital content available through the site.

To get started, use the search box or select a browse option.

Search tips

Copyright policy

Image source:
F.211, Simon Fraser University poster collection
File F.211-6-00-1. Campus and event posters

http://atom.archives.sfu.ca/
Digital Preservation at SFU

In 2016, SFU launched its digital repository for archival materials. This enables the Archives and Records Management Department to acquire, preserve and provide access to important digital records created by the university, as well as privately donated digital archival materials.

Digital preservation goes beyond simple storage. It means preserving the ability to access authentic and reliable digital records over time and across changes in computing technology, as the hardware and software environments in which records were originally created become obsolete. There is still much work in front of us, but the Archives and Records Management Department is now positioned to carry its mandate into the digital world of modern records.

UNIVERSITY RECORDS

Digital records of the university are scheduled under Records Retention Schedule and Disposal Authorities (RRSDAs).

- Digital records with an archival disposition (i.e. final disposition = Selective Retention or Full Retention by the Archives) may be transferred to the digital repository at the end of their total retention period.

Contact the Archives and Records Management Department for more information.

http://www.sfu.ca/archives/digital-repository.html
Technical Overview

SFU Archives' digital repository is built on the Archivematica platform, an open-source software application developed by Artefactual Systems Inc. Archivematica transforms digital objects transferred to the repository into OAI-AS-compliant Submission Information Packages (SIPs) and processes them through a series of micro-services provided by Archivematica scripts and a suite of integrated, open-source tools bundled in the Archivematica system. Micro-services unpack all zipped files, assign unique IDs and checksums to each object, run virus checks, extract and record technical metadata, identify file formats, and normalize files (make copies) to preservation and access formats based on rules codified in the Archives’ Format Policy Registry (FPR).

At the end of the micro-services “pipeline,” Archivematica produces two OAI-AS-compliant outputs. The Archival Information Package (AIP) contains the original object, plus a copy normalized to the preservation format, plus all the associated metadata wrapped together as a single object using the METS, PREMIS, and BagIt standards. The AIP is sent to archival storage for long-term preservation. In addition, Archivematica outputs a Dissemination Information Package (DIP), containing an access copy plus minimal descriptive metadata. Archivematica sends the DIP to the repository's access system, SFU AtoM, for further description by an archivist, following which it can be made available for public access.

SFU AtoM

SFU AtoM is the public access component of the Archives' digital repository and runs on AtoM (Access to Memory), an open-source, web-based application for archival cataloging that integrates with Archivematica and allows digital materials to be directly linked to their archival descriptions.

SFU AtoM implements the Canadian descriptive standard used for the University of Ottawa at Arrival of Digital Archive (RAD), and it is shared by both SFU Archives and SFU Library’s Special Collections and Rare Books division. AtoM is a highly customizable system that enables SFU Archives to track and manage its digital holdings. It supports collaboration among archivists and researchers by integrating with other tools such as digital repositories, authoring systems, and social media platforms.

What is an archival digital repository?

The Archives’ digital repository implements the functional requirements of the Open Archival Information System (OAIS), an ISO standard and reference model. The project is guided by Trusted Digital Repository (TDR) best-practices and professional standards to ensure the long-term accessibility, usability, and authenticity of digital archival records, a vital resource for administrative continuity and planning, legal compliance, and historical research.

System architecture

The system architecture of the digital repository is designed to be flexible and scalable, supporting a wide range of digital objects and media types. It consists of interconnected components that interact to provide a comprehensive solution for managing digital archives. The architecture includes modules for data ingestion, processing, storage, access, and preservation, ensuring that all digital objects are properly identified, described, and accessible for long-term use.

http://www.sfu.ca/archives/digital-repository/dr-overview.html
Archivematica Use Cases

Simon Fraser University
Building a Digital Repository with Archivematica and AtoM

SFU Archives Digital Repository Infrastructure (v10) – Oct 9, 2015

- Archivematica pipelines
- AM Storage Service
- SFU AtoM

http://www.sfu.ca/content/dam/sfu/archives/DigitalPreservation/DRArchitecture.png
Questions?

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