Hands-On with
Archivematica and AtoM

Sara Allain and Dan Gillean
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Who are we?

Sara Allain, MI
Systems Archivist

Dan Gillean, MAS, MLIS
AtoM Program Manager
Today’s Agenda

1. Introduction
2. Artefactual and Open Source
3. Coffee Break
4. Introduction to Archivematica
5. Archivematica Demonstration
6. Lunch
7. Introduction to AtoM
8. AtoM Demonstration
9. Break
10. Use Cases – Archivematica and AtoM
11. Final Questions and Conclusion
Artefactual Systems
and
Open Source Development
Our Team, Our Philosophy, Our Vision
What is Open Source?

Open Source Software (OSS) is computer software with its source code made available with a license in which the copyright holder provides the rights to study, change, and distribute the software to anyone and for any purpose.

What is Open Source?

1. Free redistribution
2. Source code
3. Allows derived works
4. Maintains author’s source code integrity
5. No discrimination against persons or groups
6. No discrimination against fields of endeavor
7. Distribution of license
8. License must not be specific to a product
9. License must not restrict other software
10. License must be technology-neutral

Open Source Initiative
https://opensource.org/osd
Open Source vs Free Software?

"The two terms describe almost the same category of software, but they stand for views based on fundamentally different values. Open source is a development methodology; free software is a social movement."

-- Richard Stallman, “Why Open Source misses the point of Free Software.”
A program is free software if the program's users have the four essential freedoms:

1. The freedom to **run the program as you wish, for any purpose** (freedom 0).
2. The freedom to **study how the program works, and change it** so it does your computing as you wish (freedom 1). Access to the source code is a precondition for this.
3. The freedom to **redistribute copies** so you can help your neighbor (freedom 2).
4. The freedom to **distribute copies of your modified versions to others** (freedom 3). By doing this you can give the whole community a chance to benefit from your changes. Access to the source code is a precondition for this.
What is Freedom?

Free as in...

Beer?

Speech?

Kitten?

https://commons.wikimedia.org/wiki/File:Beer_mug_transparent.png

http://www.freedstockphotos.biz/stockphoto/9343
What is Freedom?

It’s all 3
Artefactual Systems is dedicated to producing standards-based open source web applications for digital preservation, description, and access. We are the lead developers of AtoM (for archival description and access) and Archivematica (for managing digital preservation workflows).
We are archivists, librarians, system administrators, and developers that are passionate about open-source and standards-based systems. We are also one of the most hard-working and respected technical crews in the archives and library community. We put out and support several Archivematica and AtoM releases a year and deliver technical services to a growing list of satisfied clients.
Our Development Priorities

Open Source

Standards-based

Generalized for broad use
Our Development Approach

- Standards-based / follows best practices
- Open source / Creative Commons
- Multilingual support whenever possible
- Generalize specific use cases
- Include all features in public release
- Iterative development via multiple contributions over subsequent releases

Community-based Development
Our Business Model

The “Bounty Model” of Open Source Business

- Maintain our applications under A-GPLv3 licenses
- Provide and maintain the documentation under CC-BY-SA licenses
- Produce additional resources (e.g. videos, presentations, webinars) whenever possible
- Participate actively in the user forums
- Offer additional paid services
- Always include development in public project
Our Services

- Hosting
- Remote technical maintenance
- Consultation
- Data migration
- Training
- Application theming
- Software development

Artefactual Systems is proud to develop free and open software made available under the AGPLv3 open-source software license. We support this software and our user community through release management, public technical and user documentation, and community forum support. To pay the bills, and to continue to develop and update the software, we also offer paid services as outlined below.

These prices effective January 1, 2015

<table>
<thead>
<tr>
<th>Service</th>
<th>Description</th>
<th>Rates</th>
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<tbody>
<tr>
<td>Software development</td>
<td>Requirements analysis and documentation, architecture and application design, coding, QA, AtOM theming, deployment, technical and user documentation. More info</td>
<td>$150 per hour fixed fee contracts / $130 per hour time &amp; materials contracts</td>
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<tr>
<td>Data migration (AtOM)</td>
<td>Get your legacy descriptions into AtOM; data analysis and mapping, migration scripts, test import, QA, production import. More info</td>
<td>$150 per hour fixed fee contracts / $130 per hour time &amp; materials contracts</td>
</tr>
<tr>
<td>Consulting</td>
<td>Capacity assessment, repository planning, digital preservation and access, workflow planning, strategy documents, business cases, project scoping, pilot projects. More info</td>
<td>$150 per hour fixed fee contracts / $130 per hour time &amp; materials contracts</td>
</tr>
<tr>
<td>Hosting</td>
<td>Full-service packages including remote hosting, data backup, technical support, software upgrades, software patches. AtOM hosting / Archivematica hosting</td>
<td>AtOM training / Archivematica training</td>
</tr>
<tr>
<td>Installation and technical support</td>
<td>Local Archivematica and/or AtOM installation, technical support, software patches and upgrades. AtOM tech support / Archivematica tech support</td>
<td>AtOM training / Archivematica training</td>
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</tbody>
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https://www.artefactual.com/services/
Our Applications

- **atom**
  - Web based application for standards-based description and access in a multilingual, multi-repository environment
  - [https://www.accesstomemory.org](https://www.accesstomemory.org)

- **archivematica**
  - Web based application to support digital preservation workflows based on the OAIS reference model
  - [https://www.archivematica.org](https://www.archivematica.org)
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Because the code is open to inspection, any member of the community can fix problems, or develop new features and contribute code back. For any given problem, the community can troubleshoot it together.
Questions?

info@artefactual.com