Update on DuraSpace and Fedora 4

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Andrew Woods
“DuraSpace is an independent 501(c)(3) not-for-profit organization providing leadership and innovation for open technologies that promote durable, persistent access to digital data. We collaborate with academic, scientific, cultural, and technology communities by supporting projects and creating services to help ensure that current and future generations have access to our collective digital heritage.”
Projects accomplishments

• Released Fedora 4.0
• Released DSpace 5.0
• Increased membership dollars & participation
• Established steering and leadership groups
• Created strategic plan for VIVO and held inaugural conference
Services accomplishments

• Successful public launch of DSpaceDirect
• Successful launch of ArchivesDirect
• Continued growth and adoption of DuraCloud
• Continued partnership with Chronopolis/DPN
2014 project expenses

- Staff: 75%
- Travel: 8%
- Admin: 8%
- Marketing: 6%
- Indirect: 3%
DuraSpace and Fedora

- Leadership and planning
- Budgeting - planning, support, administration
- Staffing - hiring, oversight, coordination
- Outreach, marketing, advocacy
community
There are over 320 Fedora installations (that we know of!)

Stats for 2014:

- 63 Fedora members
- 22 active developers
- 28 leadership group members
- 8 steering group members
2014 Fedora Members (63)

Arizona State University Libraries
Brown University Library
Case Western Reserve University Libraries
Charles Darwin University
Colorado Alliance of Research Libraries (CARL)
Columbia University Library
Cornell University
Docuteam GmbH
Durham University
Emory University
FIZ Karlsruhe
George Washington University
Ghent University Library
Gothenburg University Library
Indiana University
ICPSR
Johns Hopkins University Libraries
La Trobe University
London School of Economics & Political Science
LYRASIS
Macquarie University

National Library of Medicine
National Library of Wales / Llyfrgell
Genedlaethol Cymru
National Research Council of Canada
Northeastern University Libraries
Northwestern University Libraries
Ohio State
Oregon State
Pennsylvania State University
Princeton University
Rutgers University Libraries
Smithsonian Institution, Office of Research Information Services
Stanford University
State and University Library of Denmark
Technical University of Denmark
The Art Institute of Chicago
Tufts University
University of Alberta
University of California, Los Angeles
University of California, Santa Barbara
University of Cincinnati
University of Connecticut Libraries
University of Hull

University of Lausanne
University of Manitoba
University of Massachusetts Amherst Libraries
University of New South Wales
University of Notre Dame
University of North Carolina
University of Oklahoma
University of Pittsburgh
University of Oxford
University of Prince Edward Island
University of Rochester Libraries
University of Texas Libraries Austin
University of Toronto
University of Virginia
University of Western Sydney
University of Wisconsin
University of York
Uppsala University
Yale University
York University
Membership is on the rise!
Sustainability
We’re broadening the funding base

• More members at lower funding amounts
• Raising the overall level of funding

We’ve established a governance model

• Fedora is governed by a Leadership group and a Steering group
Fedora Governance Model

Steering Group
Oversees project operations, provides strategic guidance

Leadership Group
Approves priorities and strategic direction

Project Members
Submit requests, requirements, recommendations, feedback and other input

Technology Team
Committers

Working Groups
- Working Group 1
- Working Group 2
- Working Group 3

DuraSpace Organization
- Product Manager
- Tech Lead
## Governance benefits

<table>
<thead>
<tr>
<th>Level of contribution</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>$2,500</td>
<td>Contributors can nominate and elect one contributor at the $2,500 tier to join the Leadership Group</td>
</tr>
<tr>
<td>$5,000</td>
<td>Contributors can nominate and elect two contributors at the $5,000 tier to join the Leadership Group</td>
</tr>
<tr>
<td>$10,000</td>
<td>Contributors can nominate and elect four contributors at the $10,000 tier to join the Leadership Group</td>
</tr>
<tr>
<td>$20,000</td>
<td>Contributors guaranteed one seat on the Leadership Group</td>
</tr>
<tr>
<td>0.5 FTE Developer</td>
<td>Contributors guaranteed one seat on the Leadership Group</td>
</tr>
</tbody>
</table>
New Developments
Migration tools

Tools for migrating from Fedora 3 to 4

- migration-utils (generic + Islandora)
- fedora-migrate (Hydra)

We need community input, testing, and validation
Portland Common Data Model

Flexible, extensible data model
• Defines collections, objects, and files
• Encourages linked data best practices

Promotes interoperability
• Currently being adopted by Hydra and Islandora
Audit Service

Maintains a history of events for each repository resource

- Uses existing event system and an external triplestore

Designed and implemented via community participation
1. Complete Upgration pilots by end of April
2. Release next major 4.x by OR2015

Release focus:

- Support Fedora 3.x to 4.x migrations
- Polish Fedora 4.0 edges
One-day workshops

3 successful workshops in October 2014

More one-day workshops in 2015

• DC Fedora User Group
• Northeast Fedora User Group
• Texas Conference on Digital Libraries

All workshop materials available online
Fedora camp

Three-day workshop planned for Fall 2015
Curriculum development is underway
  • All workshop materials available on the wiki
Focus on reusable materials and training
new trainers
Community participation

Fedora 3 to 4 migrations
- Participate in data modeling discussions
- Test migration utilities and report issues

Maintenance sprints
- Fix bugs and improve the codebase
- Need at least 2 developers per sprint
Questions?
Useful links

• Fedora 4 wiki
  • https://wiki.duraspace.org/display/FF

• Fedora mailing lists
  • https://wiki.duraspace.org/display/FF/Mailing+Lists
  +etc

• Contact
  • dwilcox@duraspace.org
  • awoods@duraspace.org