Update on DuraSpace and Fedora 4

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“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.”
How is DuraSpace organized?

- **Projects**: Funded through community sponsorship & RSP program
- **Services**: Funded through service revenue & grants

Projects:
- DSpace
- Fedora Commons
- VIVO

Services:
- DuraCloud
- DSpace Direct
- e-Science Institute
- Education
Funding Sources

Funding Sources 2011
- Moore Grant: 31%
- Other Grants: 42%
- Sponsorship: 21%
- Services: 6%

Funding Sources 2014
- Moore Grant: 33%
- Grants: 35%
- Sponsorship: 32%
- Services: 0%
DuraSpace and Fedora

- Leadership and planning
- Budgeting - planning, support, administration
- Staffing - hiring, oversight, coordination
- Outreach, marketing, advocacy
Fedora 4 project goals

• Improved performance
• Flexible storage options
• Research data management
• Linked open data support
• Improved platform for developers
Community update

There are over 320 Fedora installations (that we know of!)

Stats for 2014:

• 52 Fedora members
• 17 active developers
• 18 leadership group members
• 10 steering group members
Membership is on the rise!
2014 Fedora Members (54)

- 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
- Durham University
- FIZ Karlsruhe
- 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 Canada
- Northeastern University Libraries
- Northwestern University Libraries
- Ohio State
- Oregon State
- Pennsylvania State University
- Rutgers University Libraries
- Smithsonian Institution, Office of Research Information Services
- Stanford University
- State and University Library 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 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 Wisconsin
- Uppsala University Library
- Yale University
Building 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
<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>
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Training

- 3 one-day workshops in October 2014
- Planning a three-day camp for 2015
- Need to “train trainers”
- Make the training portable
Fedora 4 roadmap

• Complete Beta pilots by end of October
• Release Fedora 4.0-Production in 2014
• Fedora 4.1 focus:
  • Support Fedora 3.x to 4.x migrations
  • Polish Fedora 4.0 edges
Getting to production 4.0

- Acceptance testing
- Beta pilots
- Technical Working Group
- Community feedback
- Developer commitments
What’s in Fedora 4.0?

- Content modeling
- Authorization
- Durable Storage
- Versioning
- Scale (large files and many files)
- Linked data / RDF (and external triplestore)
- External search
- Transactions
- Locking
- Clustering
Community participation

- Acceptance tests
  - Currently only 40% complete
  - Need 100% completion by end of October to release in 2014
- Adoption
  - How will you participate in the community after adopting Fedora 4?
Opportunities

• Asynchronous storage
• Semantic web integration
• OAI-PMH / ResourceSync
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