Fedora 4 Update

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DuraSpace
Fedora 4 project goals

• Improved performance
• Flexible storage options
• Research data management
• Linked open data support
• Improved platform for developers
Fedora 4: a year in review

- Fedora 4 Alpha released at OR2013
- Defined governance model
- Distilled feature list for Fedora 4.0
- Fedora 4 Beta released at OR2014
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!
Building sustainability

- We’re broadening the funding base
  - More members at lower funding amounts
  - Raising the overall level of funding
- We hired staff
  - David Wilcoxx is the Product Manager
  - Andrew Woods is the Tech Lead
- 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>
</tr>
</thead>
<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>
2014 Fedora Members (52)

- 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
- 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
- Yale University
Fedora 4.0 Beta is out!

We just released the Fedora 4.0 Beta

You can download it [here](#)

The Beta 4.0 feature set is the same as the Production 4.0 feature set.
The road to production

• Acceptance testing
• Beta pilots
• Community feedback
• Developer commitments
Developer Commitments

Alpha 3

Hackfest

Beta 1
What’s in the beta?

- Content modeling
- Authorization
- Durable Storage
- Versioning
- Scale (large files and many files)
- Linked data / RDF (and external triplestore)
- Internal & external search
- Transactions
- Locking
- Performance
- Clustering
Ease of installation

• Fedora 4 is simple to install
  • You can drop in the web application
• For testing, there is a one-click-run application
  • The only dependency is Java 7
A number of scalability tests have been run:
- We’ve pushed a 1 TB file via REST
- 16 million objects via Projection
- 5 million objects via REST
- Range requests are now supported
Fedora 4 roadmap

- Complete Beta pilots
- Release Fedora 4.0-Production
- Support Fedora 3.x to 4.x migrations
- Select key features for 4.1+
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