

Update on DuraSpace and Fedora 4

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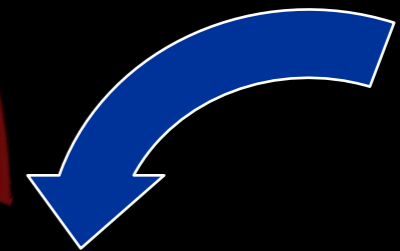
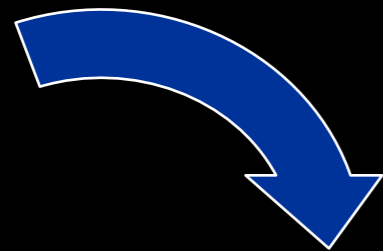
DURASPACE™

“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?

Funded through community sponsorship & RSP program

Funded through service revenue & grants



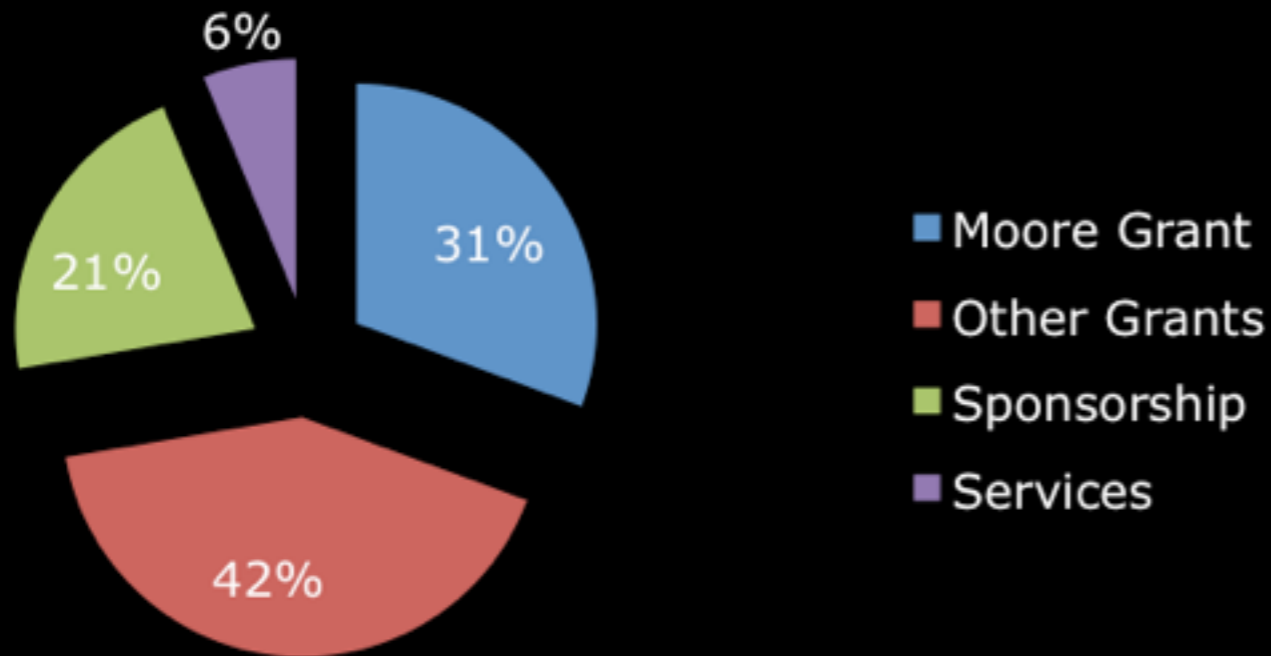
Projects

Services

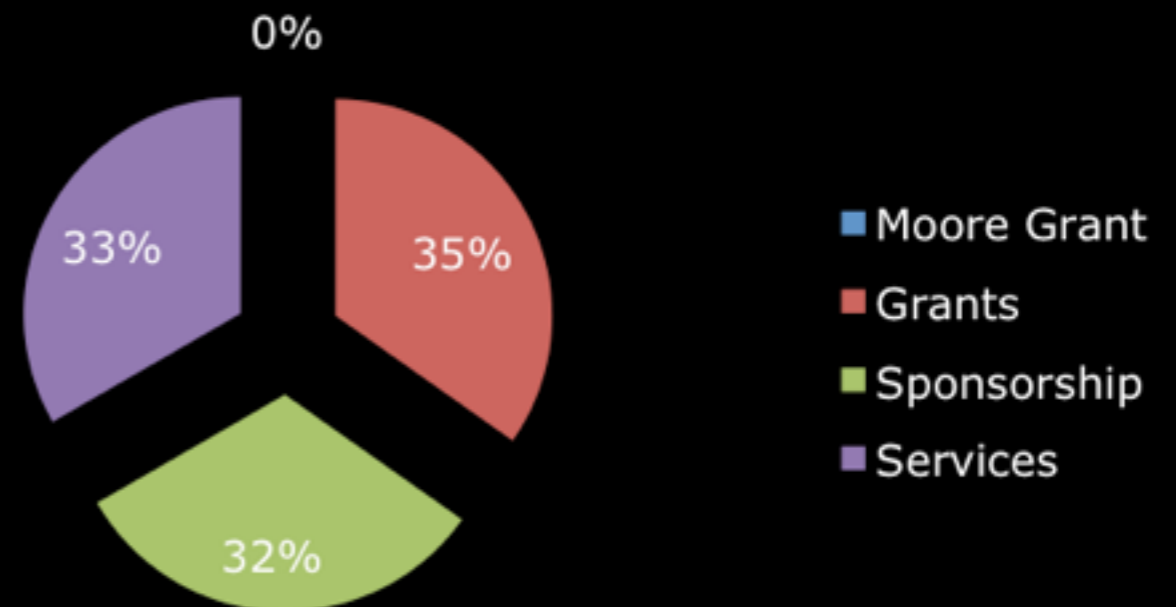


Funding Sources

Funding Sources 2011



Funding Sources 2014



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

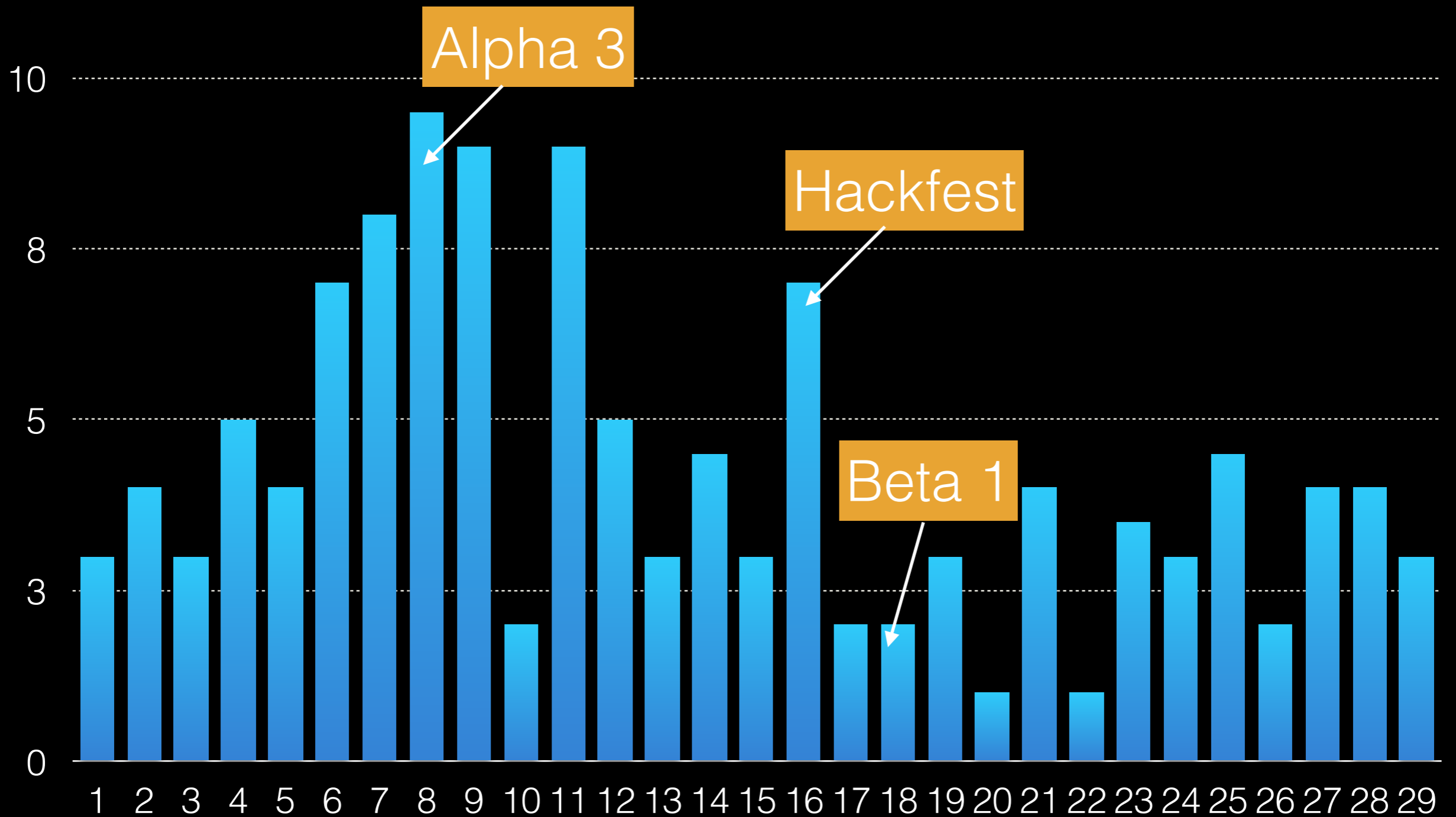
Community update

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

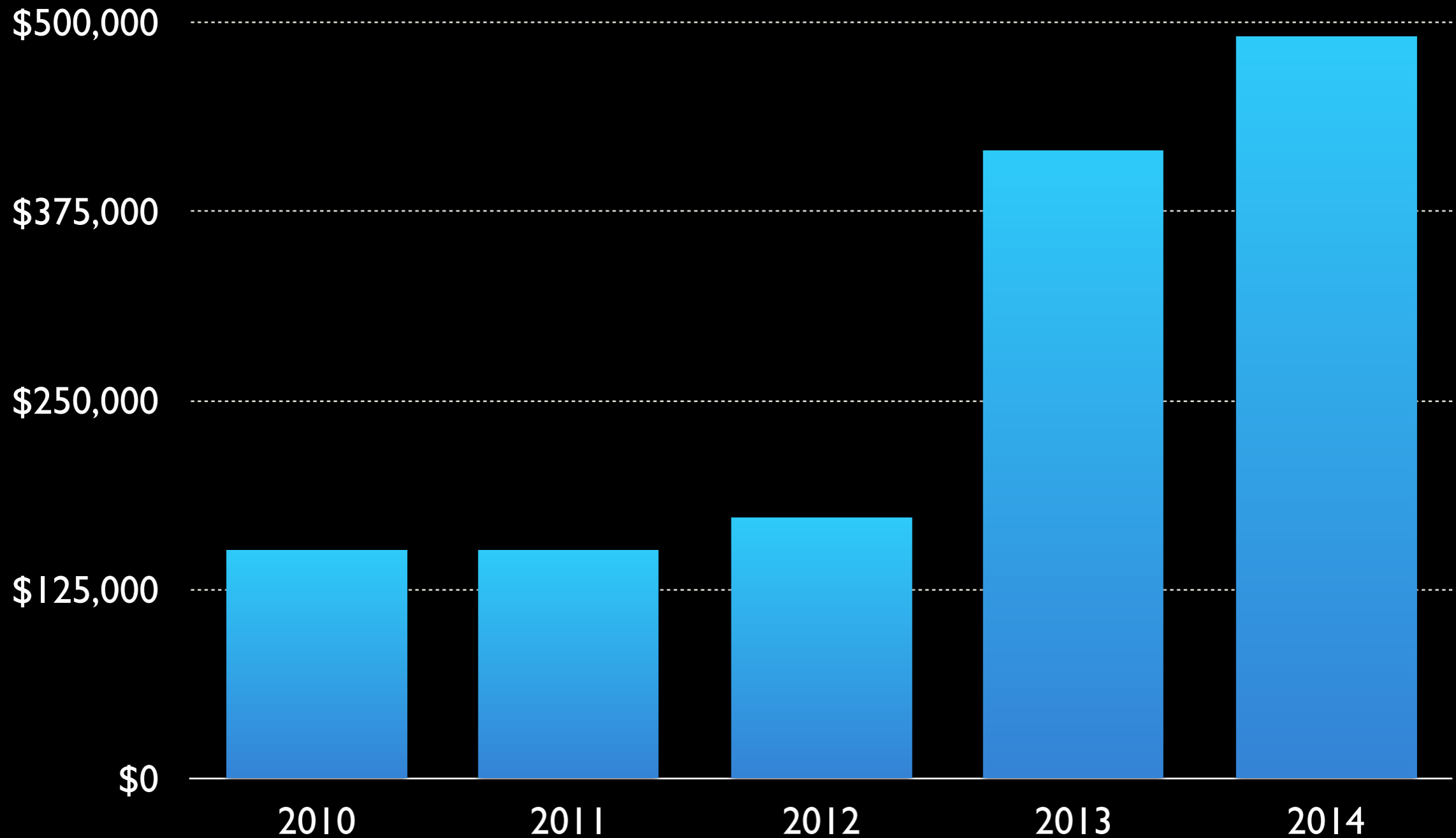
Stats for 2014:

- 52 Fedora members
- 17 active developers
- 18 leadership group members
- 10 steering group members

Developer Commitments



Membership is on the rise!



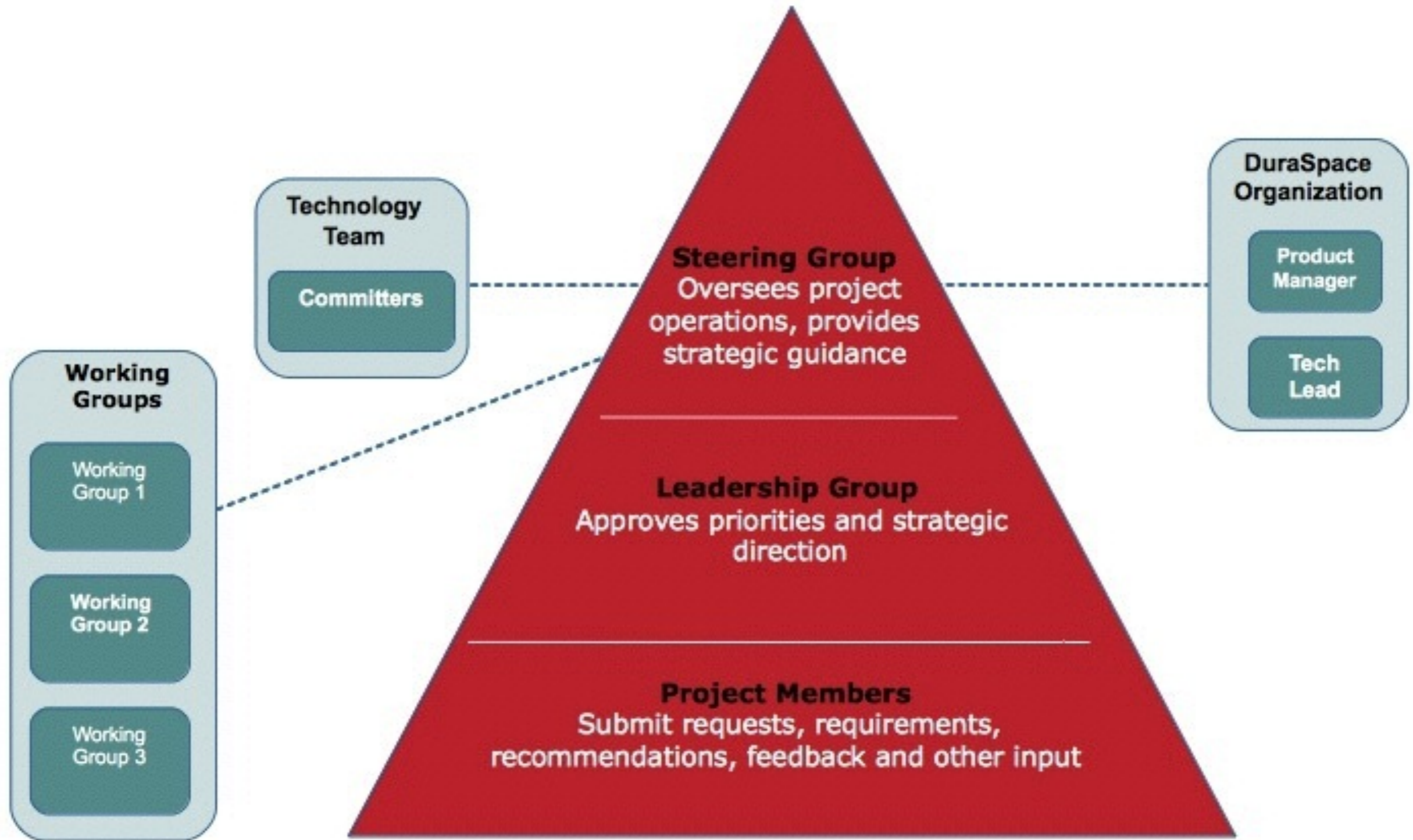
2014 Fedora Members (54)

- 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
- LYRISIS
- 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



Governance benefits

Level of contribution	Benefit
\$2,500	Contributors can nominate and elect one contributor at the \$2,500 tier to join the Leadership Group
\$5,000	Contributors can nominate and elect two contributors at the \$5,000 tier to join the Leadership Group
\$10,000	Contributors can nominate and elect four contributors at the \$10,000 tier to join the Leadership Group
\$20,000	Contributors guaranteed one seat on the Leadership Group
0.5 FTE Developer	Contributors guaranteed one seat on the Leadership Group

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*

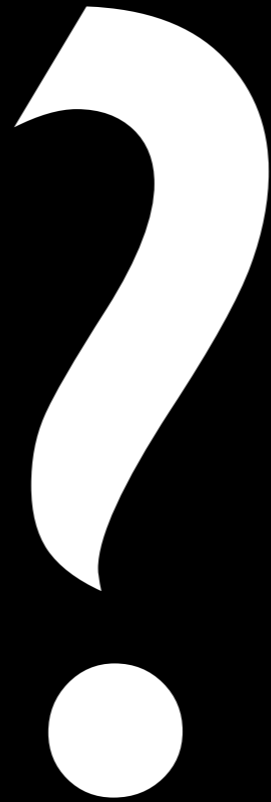
Community participation

- 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