Update on DuraSpace and the Fedora Community

David Wilcox, Fedora Product Manager
DC Fedora User Group Meeting, 2014-03-10
“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
- DSpace
- Fedora Commons
- VIVO

**Services**
- Funded through service revenue & grants
- DuraCloud
- DSpace Direct
Funding Sources

Funding Sources 2011

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

Funding Sources 2014

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

- Leadership and planning
- Budgeting - planning, support, administration
- Staffing - hiring, oversight, coordination
- Outreach, marketing, advocacy
- New Web site:
  - http://fedorarepository.org
Fedora Community Update
Fedora 4 Genesis

- Fedora 4 started with meeting of stakeholders at Open Repositories 2012
- Decision to form a project around moving Fedora technology to next stage
- 2nd meeting in DC, Sept 17-18
- Decision to launch a Pilot to determine interests and use cases
Technical Goals

- Performance
- Horizontal and Vertical Scalability
- Flexible file system
- Support for Research Data Management
- Streamlined codebase
- Hydra and Islandora integrations
- Good test coverage
- Native RDF support
- Clear upgrade path from F3 to F4
Organizational Goals

- Revitalized pool of contributors
- Well-documented, accessible codebase
- Increase the level of community involvement, support & governance in Fedora
Use Cases

- F4 Steering Group and F4 Tech Group identified some 30 use cases

- Large overlap - four major topics
  - manage research data
  - improve administrability
  - handle heterogenous data more efficiently
  - interact with linked open data/semantic web
Project Steering Group

• Stanford University
• University of Virginia
• Columbia University
• Smithsonian Institution
• UPEI/Discovery Garden
• MediaShelf/Eddie Shin
• FIZ Karlsruhe
• Oxford University
• DuraSpace
Project Advisory Group

- University of New South Wales
- University of North Carolina
- Yale University
- Brown University
- Northeastern University
- University of California – San Diego
Fedora Community

- 326 Registered Fedora Implementations
- [fedora-community@googlegroups.com](mailto:fedora-community@googlegroups.com) (858 members)
- 40 Fedora Sponsors
- 19 Active Developers
- 17 Members of Fedora Advisory Group
- 10 Members of Fedora Steering Group
Registered Fedora Instances

21 new instances in 2013
326 instances to date
Engaging the Community

- Full-Time Product Manager
- Multiple in-person meetings, conferences
- Mailing lists
- Quarterly updates
- Web site redesign
- Gather new use cases
Fedora 4 Development

- Full-Time Tech Lead: Andrew Woods
- Developers from the community
- Use-case driven development
- Frequent releases & acceptance testing
Development Commitments

- Columbia University
- discovery garden inc.
- FIZ Karlsruhe
- Max Planck Digital Library
- Media Shelf
- Stanford University
- University of California, Los Angeles
- University of California, San Diego
- University of New South Wales
- University of North Carolina, Chapel Hill
- University of Prince Edward Island
- University of Texas, Austin
- University of Virginia
- University of Wisconsin
- Virginia Tech
- Yale University
Building Sustainability

- Grow the funding base
- 40 total Fedora sponsors
- Staffing - two full-time staff members
- Governance & Oversight
- Create Fedora Advisory Group
- Review membership model
Fedora Community Sponsorship

- $0 in 2010
- $125,000 in 2011
- $250,000 in 2012
- $500,000 in 2013
The Past Year

- June 2013 - Andrew Woods hired as Tech Lead
- July 2013 - Fedora 4 Alpha Release
- August 2013 - Fedora 4 Beta Development Begins
- October 2013 - Fedora 3.7.1 Released
- January 2014 - Fedora 4.0 Alpha Release
- February 2014 - David Wilcox hired as Product Manager
- Summer 2014 - Planned Fedora 4.0 Release
2014 Goals

- Release Fedora 4.0
- Expand pool of developers
- Support Fedora 4 beta testers
- Refine Fedora governance model
- Establish membership program
- Expand membership
- Attain $500,000/year funding level
Closing Comments

How to get involved:
- Email us:
  - David Wilcox - dwilcox@duraspace.org
  - Andrew Woods - awoods@duraspace.org