Update on DuraSpace and the Fedora Community

David Wilcox, Fedora Product Manager

DC Fedora User Group Meeting, 2014-03-10

DURA SPACE

"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."

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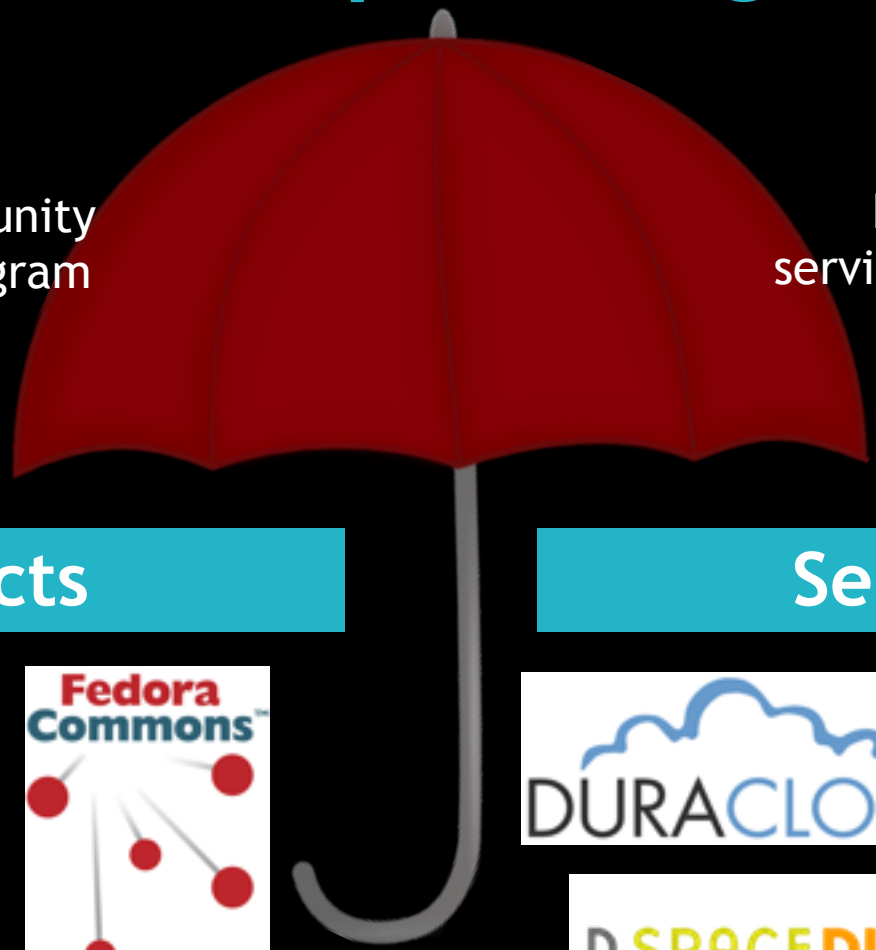
How is DuraSpace organized?



Funded through community sponsorship & RSP program

Funded through service revenue & grants

Projects

DSPACE

Fedora Commons

VIVO

Services

DURACLOUD

DSPACEDIRECT

EDUCATION

DURASPACE HOT TOPICS

e-science INSTITUTE

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DuraSpace Team

Michele Kimpton
Chief Executive Officer

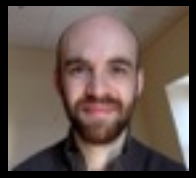
Jonathan Markow
Chief Strategy Officer

Carol Minton Morris
Marketing/Comm

Valorie Hollister
Community Programs

Tim Donohue
DSpace Tech Lead

Andrew Woods
Fedora Tech Lead



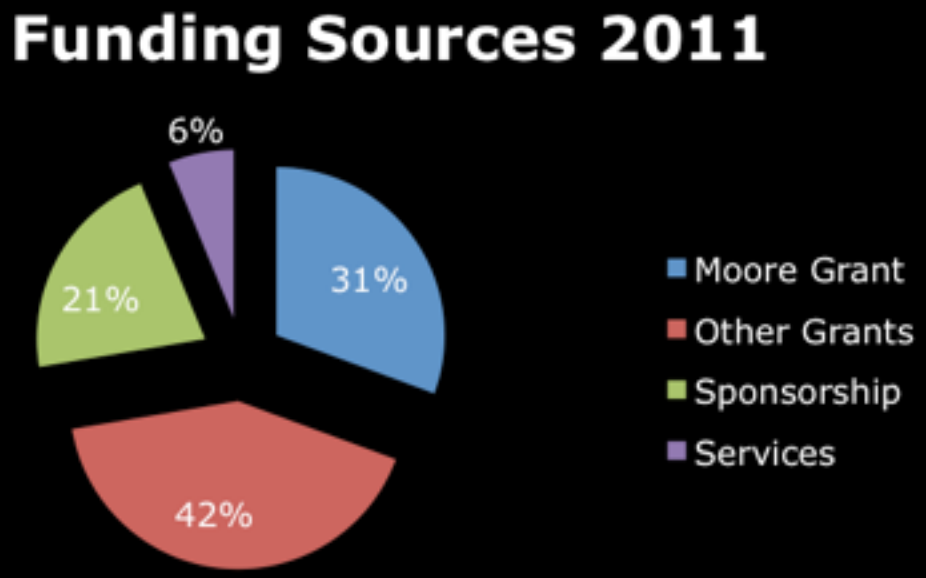
David Wilcox
Fedora Product Manage

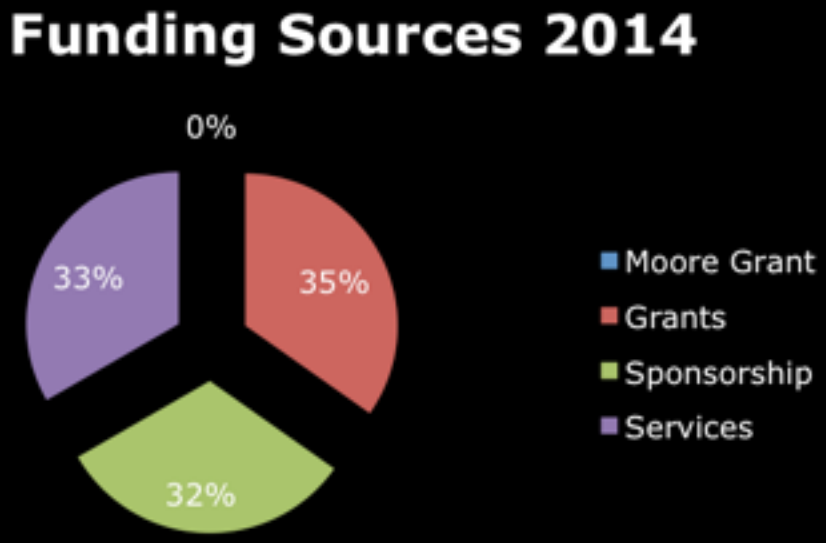
Bill Branan
DuraCloud Tech Lead

Erik Paulsson
DuraCloud

Carissa Smith
DuraCloud/DSpaceDirect

Funding Sources





DuraSpace and Fedora

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

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Fedora Community Update

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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

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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

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Organizational Goals

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

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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

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Project Steering Group

- Stanford University
- University of Virginia
- Columbia University
- Smithsonian Institution
- UPEI/Discovery Garden
- MediaShelf/Eddie Shin
- FIZ Karlsruhe
- Oxford University
- DuraSpace

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Project Advisory Group

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

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Fedora Community

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

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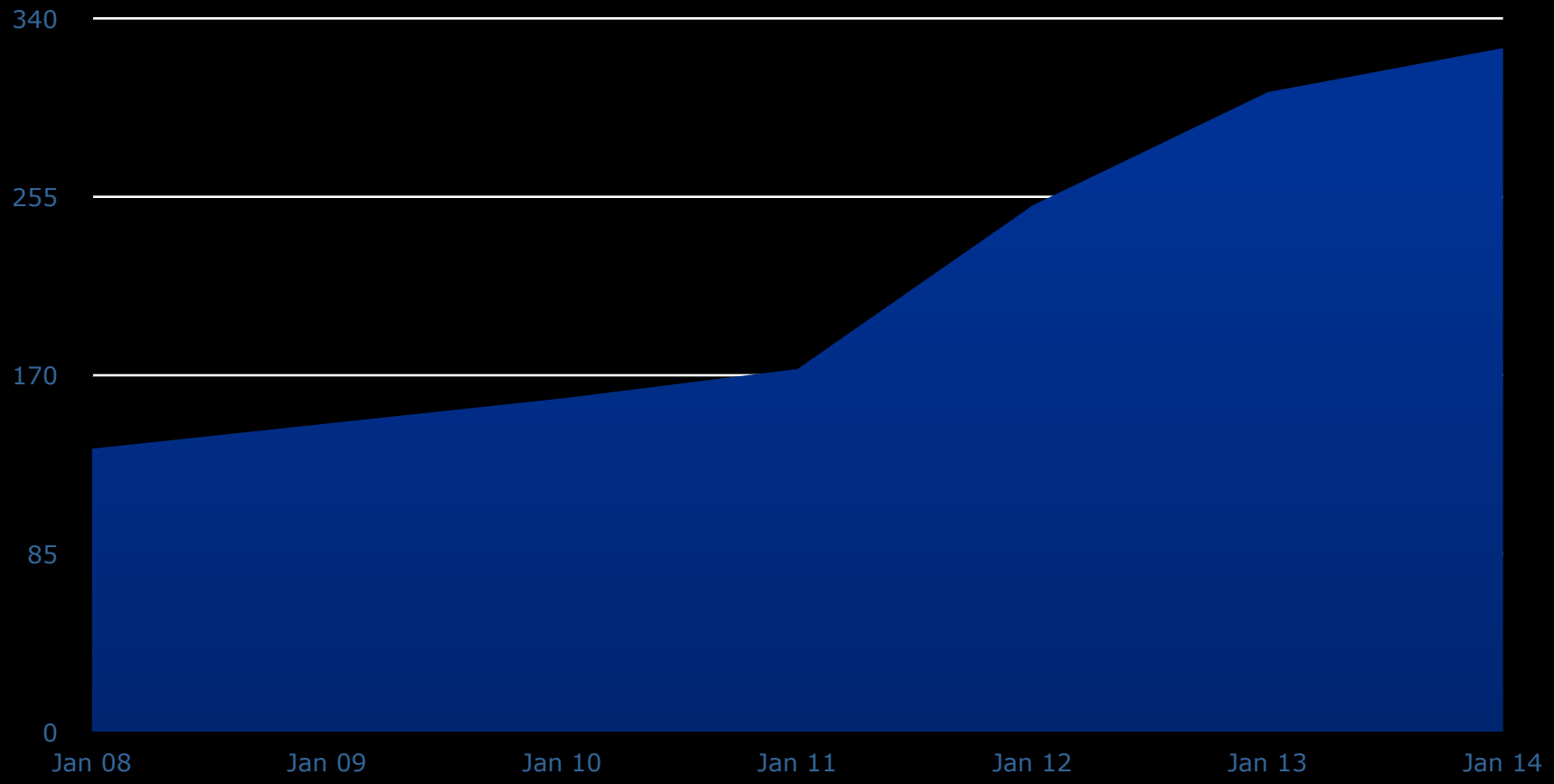
Registered Fedora Instances



21 new instances in 2013
326 instances to date

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Engaging the Community

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

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Fedora 4 Development

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

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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

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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

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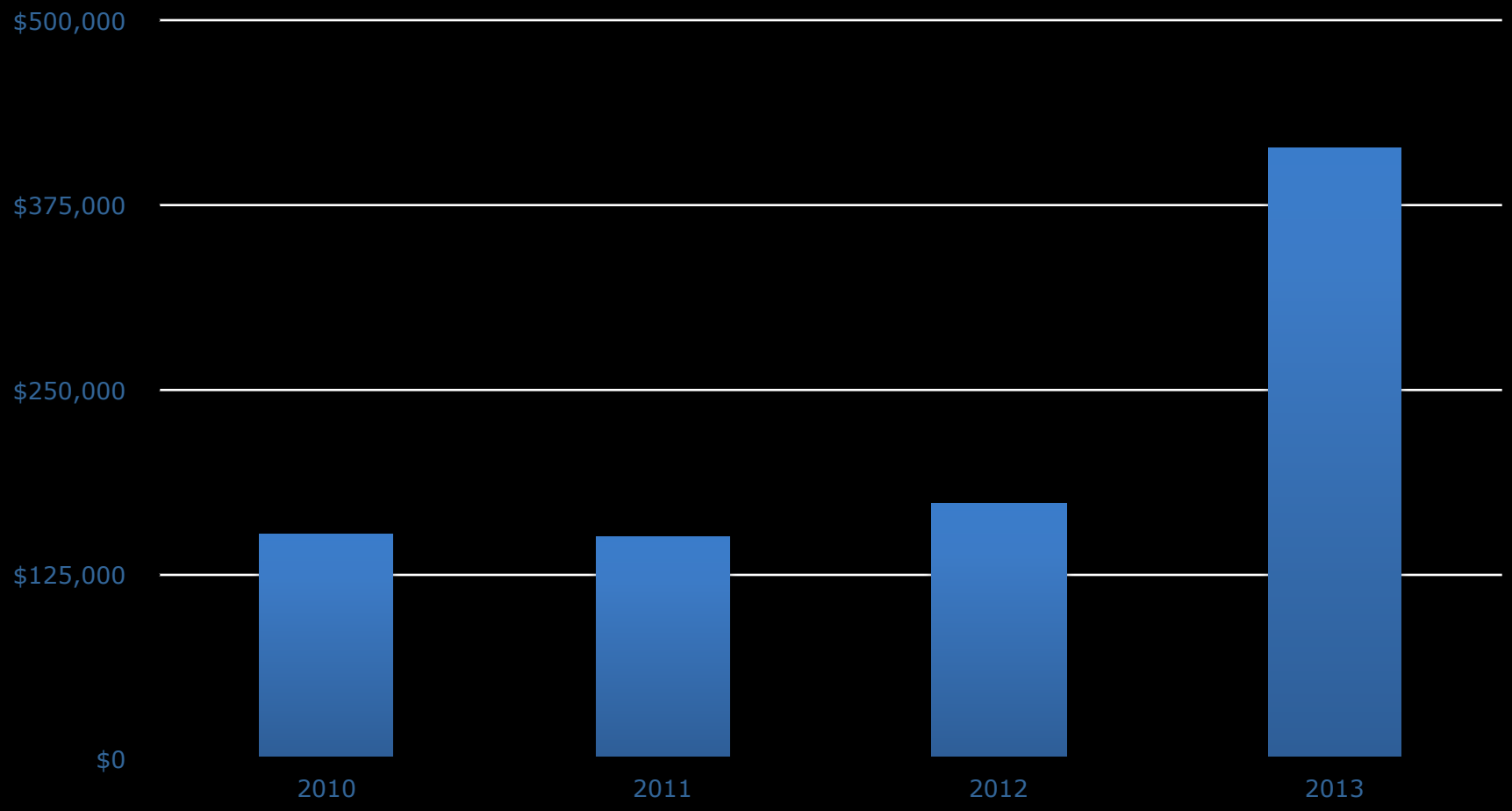
Fedora Community Sponsorship



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

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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

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Closing Comments

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

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