



Fedora™

Fedora Overview

DuraSpace Sponsors Summit

March 11, 2014

Robert Cartolano, Columbia University
Chair, Fedora Steering Group

DURA
SPACE™

Agenda

- Introduction
- 2013 Accomplishments
- 2014 Goals
- DuraSpace & Fedora
- Questions



What is Fedora?

Flexible **E**xtensible **D**igital **O**bject **R**epository **A**rchitecture

- Open source digital repository software
- Internationally developed, supported, adopted
- Fedora Commons in 2007, DuraSpace project in 2009

Going forward:

- Preserve strengths of the architecture and community
- Address needs for robust and full-featured repository services
- Provide a platform in the repository ecosystem for the next decade



2013 Accomplishments

- Build Community
- Build Software
- Build Sustainability



DuraSpace Summit - One Year Later...

Fedora Futures = Fedora



Build Community

- 300+ Registered Fedora Implementations
 - fedora-community@googlegroups.com (858 members)
- 41 Fedora Sponsors
- 19 Active Developers
 - fedora-tech@googlegroups.com (493 members)
- 17 Members of Fedora Advisory Group
 - fedora-advisors@googlegroups.com
- 10 Members of Fedora Steering Group
 - fedora-steering@googlegroups.com
- DuraSpace



Fedora Steering Group

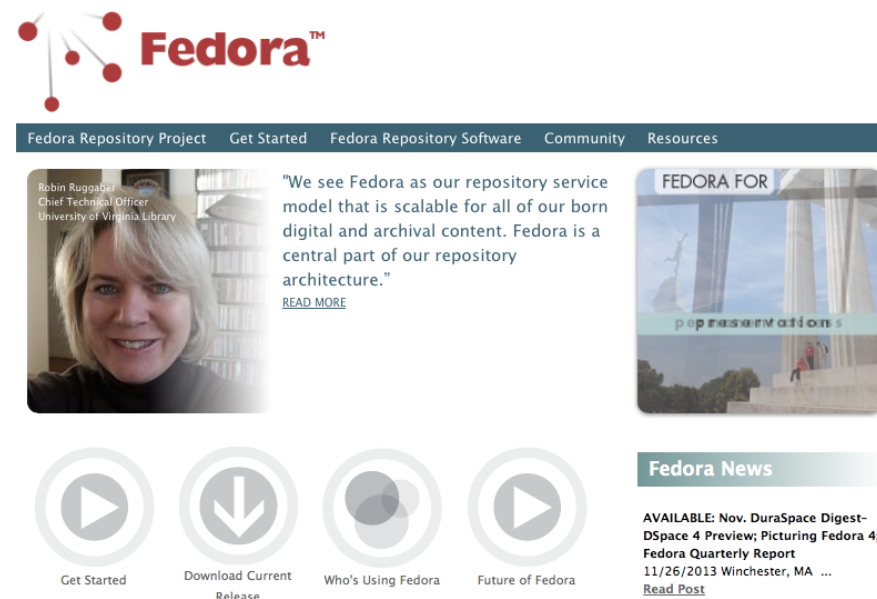
- Mark Leggott - University of Prince Edward Island
- Eddie Shin – MediaShelf
- Robert Cartolano - Columbia University
- Robin Ruggaber - University of Virginia
- Wolfram Horstmann - Bodleian Libraries, Oxford
- Thorny Staples - Smithsonian Institute
- Tom Cramer - Stanford University
- Matthias Razum - FIZ Karlsruhe
- Andrew Woods - DuraSpace
- Jonathan Markow - DuraSpace
- David Wilcox - DuraSpace



Engage Fedora Community

- Full-Time Product Manager: **David Wilcox**
- Multiple in-person meetings, conferences
- Scheduled phone calls
- Mailing lists
- Monthly Newsletter
- DuraSpace Digest
- Fedora webinars
- Quarterly updates
- Web site redesign
- Gather use cases

DuraSpace-designed web site:
<http://fedorarepository.org>



The screenshot shows the Fedora website interface. At the top is the Fedora logo. Below it is a navigation bar with links: Fedora Repository Project, Get Started, Fedora Repository Software, Community, and Resources. The main content area features a quote from Robin Ruggaber, Chief Technical Officer at the University of Virginia Library, stating: "We see Fedora as our repository service model that is scalable for all of our born digital and archival content. Fedora is a central part of our repository architecture." A "READ MORE" link is provided. To the right is a "FEDORA FOR" section with a "p preservation" tag. At the bottom, there are four circular icons: "Get Started" (play button), "Download Current Release" (download arrow), "Who's Using Fedora" (Venn diagram), and "Future of Fedora" (play button). A "Fedora News" section at the bottom right lists an available DuraSpace Digest and a quarterly report from 2013, with a "Read Post" link.



Build Software

- Fedora 4
 - Jan. 2013: Fedora 4 development begins
 - July 2013: Fedora 4 Alpha release at OR13
 - Aug. 2013: Fedora 4 Beta dev begins
 - Jan. 2014: Fedora 4 “pre-beta” release
 - Summer 2014: Planned 4.0 release
- Fedora 3
 - 3.7.0 (performance) and 3.7.1 (security) releases



Fedora 4 Development - 2013

- Full-Time Tech Lead: **Andrew Woods**
 - **Eddie Shin** - Nov. 2012 thru June 2013
- Community-sourced development
- Use-case driven
- Single product roadmap
- Frequent releases & acceptance testing



Key Features of Fedora 4

- Authorization
- Backup
- Clustering
- Content modeling
- Fixity services
- Linked data (native RDF support)
- Search (admin and external)
- SPARQL endpoints (admin and external)
- Advanced storage capabilities
 - Policy-driven, self-healing, very large files
 - External data source “projection” (aka “virtual ingest”)
- Transactions
- Versioning

As Open as Possible
Gather Use Cases
Everything posted on Wiki
Priorities set by community

- *Performance*
- *Simplicity*



Fedora In-Kind Contributors

- Columbia University
- discoverygarden 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

Teamwork!



Build Sustainability

- Finance - increase funding base, sponsors
 - Year-over-year growth - \$173,000 to \$414,833
 - 41 total Fedora sponsors
- Staffing - hire two full-time staff members
 - Full-Time Tech Lead - Andrew Woods
 - Full-Time Product Manager - David Wilcox
- Governance & Oversight
 - Create Fedora Advisory Group
 - Review possible membership model, benefits



41 Fedora Sponsors - Thank You!

3TU.Datacentrum / TU Delft Library
Arizona State University
Brown University
Charles Darwin University
Colorado Alliance of Research Libraries
Columbia University
Creighton University
FIZ Karlsruhe
Indiana University Bloomington / Indiana University
Purdue University
London School of Economics & Political Science
LYRISIS
National Library of Finland
National Library of Medicine
National Library of Wales
Northeastern University
Northern Illinois University
Northern Territory Library
Northwestern University
Oregon State University
Penn State
Rutgers University

Smithsonian Institution
Stanford University
Texas A&M Libraries
Texas Digital Library
Université de Liège
University of California Los Angeles
University of California San Diego
University of California Santa Barbara
University of Cambridge
University of Cincinnati
University of Hong Kong
University of Manitoba
University of New South Wales
University of North Carolina at Chapel Hill
University of Oxford
University of Prince Edward Island
University of Victoria
University of Virginia
University of Wisconsin
Vanderbilt University Library



FedoraTM

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Fedora Budget

	CY2013	CY2014
Staff	\$340,000	\$373,202
Travel	\$26,134	\$50,000
Admin/Infra	\$26,768	\$30,000
Indirect costs	\$7,719	\$8,000
Marketing/outreach	\$22,195	\$20,000
Total	\$422,816	\$481,202



2014 Goals

- Hire product manager - done!
- Release Fedora 4.0
- Expand developer commitment
- Support Fedora 4 early adopters
- Refine Fedora governance model
- Establish membership benefit model
- Expand membership
- Attain \$500,000/year funding level



DuraSpace & Fedora

- Executive Leadership
- Strategic planning
- Budgeting - planning, support, administration
- Staffing - hiring, oversight, coordination
- Membership drives
- Fundraising
- Outreach, marketing, advocacy
- New Web site! <http://fedorarepository.org>
- Administrative support



Questions

