Fedora 4 Update

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Fedora Facts

- Managed by DuraSpace (not-for-profit)
- Funded by The Community*
- Developed by The Community*
- Supported by 2 full-time staff members (not developers)

*The Community = You
Our community

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

Stats for 2015 (so far):

- 68 Fedora members
- 15 active developers
- 28 leadership group members
- 8 steering group members
Fedora committers

• Ben Armintor, Columbia University
• Chris Beer, Stanford University
• Aaron Coburn, Amherst College
• Osman Din, Yale University
• Mike Durbin, University of Virginia
• Adam Soroka, University of Virginia
• Esmé Cowles, University of California, San Diego
• Andrew Woods, DuraSpace
2015 Fedora Members (68)

Arizona State University Libraries
Brown University Library
Case Western Reserve University Libraries
Charles Darwin University
Columbia University Library
Cornell University
Denmark's Electronic Research Library
Docuteam GmbH
Duke University
Durham University
Emory University
Galter Health Sciences Library
George Washington University
Ghent University Library
Indiana University
ICPSR
Johns Hopkins University Libraries
Lafayette College
La Trobe University
London School of Economics & Political Science
LYRASIS
Macquarie University
McMaster University
National Library of Medicine
National Library of Wales / Llyfrgell
Genedlaethol Cymru
National Research Council of Canada
Northern Illinois University
Northwestern University Libraries
Ohio State
Oregon State
Pennsylvania State University
Princeton 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
University of Houston
University of Hull
University of Lausanne
University of Manitoba
University of Maryland
University of Massachusetts Amherst Libraries
University of New South Wales
University of North Carolina
University of Notre Dame
University of Oklahoma
University of Oregon
University of Oxford
University of Pittsburgh
University of Prince Edward Island
University of Rochester Libraries
University of Texas Libraries Austin
University of The Sunshine Coast
University of Toronto
University of Virginia
University of Wisconsin
University of York
Yale University
Members over time
Active developers over time
New Developments
Core releases

Fedora 4.0 (Nov. 27/14): First production release

Fedora 4.1 (Feb. 4/15): Camel Component

Fedora 4.1.1 (Mar. 27/15): Released by Mike Durbin

Fedora 4.2 (May 19/15): Audit Service

Fedora 4.3 (July 24/15): Released by Nick Ruest
Migration tools

Tools for migrating from Fedora 3 to 4

• migration-utils (generic + Islandora)
• fedora-migrate (Hydra)

We need more community input, testing, and validation
Portland Common Data Model

Flexible, extensible data model

• Defines collections, objects, and files
• Encourages linked data best practices

Promotes interoperability

• Currently being adopted by Hydra, Islandora and custom installations
WebAccessControl

Optional authorization delegate

Implements **W3C WebAC** standard

Designed and (will be) implemented via community participation
Production Implementations

Focus on **upgration from Fedora 3 to 4**

Looking for institutions implementing Fedora 4 in production

Aim to complete by early 2016
Feature development

Focusing on features with stakeholder support

Asynchronous Storage
Transparent File-system
API Extension Architecture
Long term

1. Closer alignment with LDP
   Working with W3C LDP working group

2. Identifying and aligning with community standards

3. Focusing on sustainability
   Shrinking and maintaining the codebase
Training
One-day workshops

One-day workshops in 2015

• DC Fedora User Group
• Texas Conference on Digital Libraries
• Northeast Fedora User Group
• University of Tennessee, Knoxville
• RDA Plenary, Paris
• eResearch Australasia
• iPRES

All workshop materials available online
Future workshops

Both single day and multi-day training available

Fedora Camp prototype in November

Looking for good locations/dates in Europe in 2016
Developer Camp

Training event for new Fedora 4 developers

Classroom-style, focus on improving Java/Fedora 4 skills

Homework component: work on Fedora 4!
Community participation

Fedora 3 to 4 upgrations
- Test migration utilities and report issues

Feature sprints
- Use cases, testing, and developer effort needed

Maintenance sprints
- Fix bugs and improve the codebase
- Need at least 2 developers per sprint
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
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