



DuraSpace & Fedora Project Update

Valorie Hollister
Director of Community Programs

Washington D.C. Regional Fedora Users Meeting
October 14, 2011

Overview

- DuraSpace
- Selected 12 month highlights
- What's ahead for 2012
- Fedora

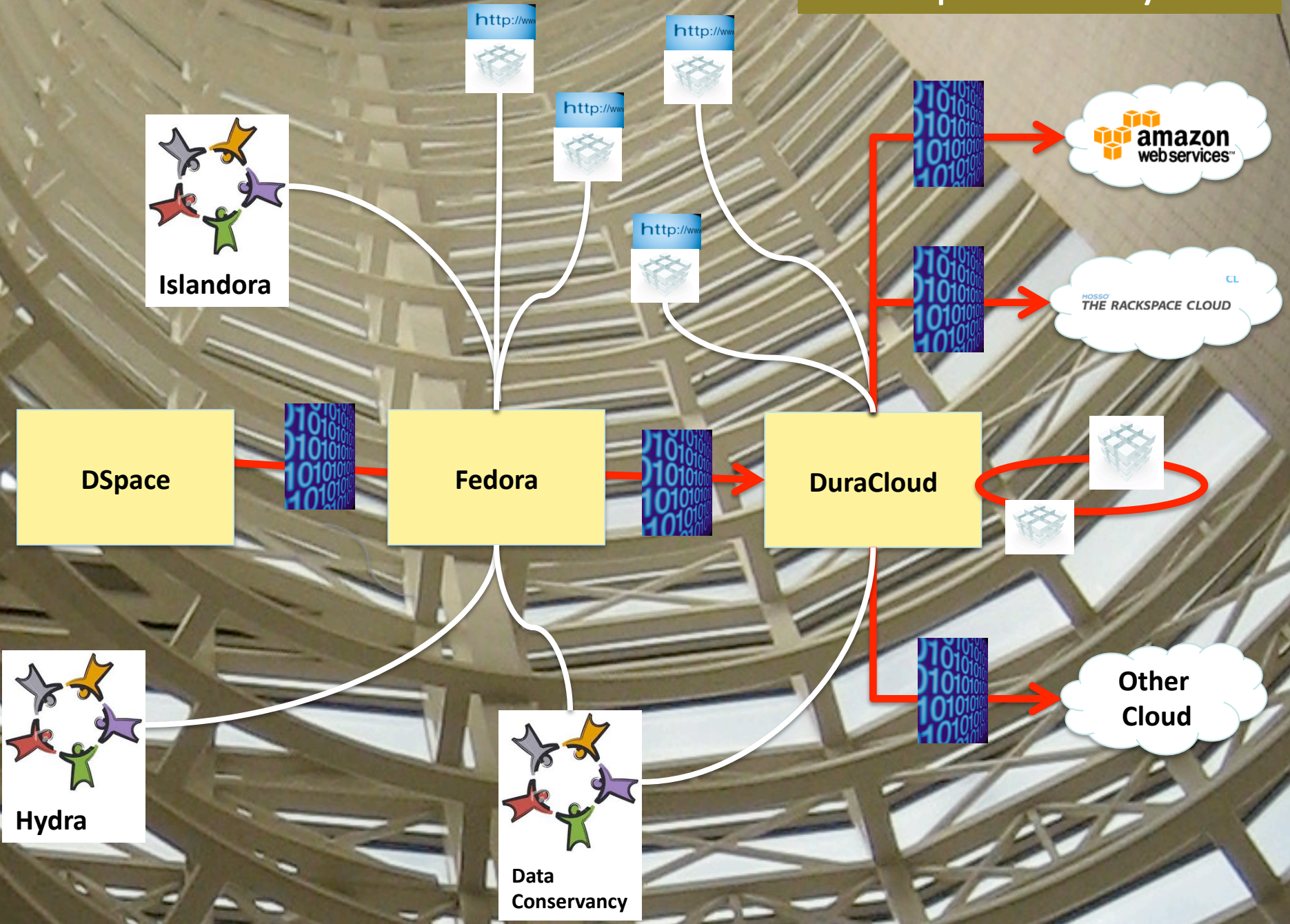
DuraSpace Organization

Open Source Portfolio

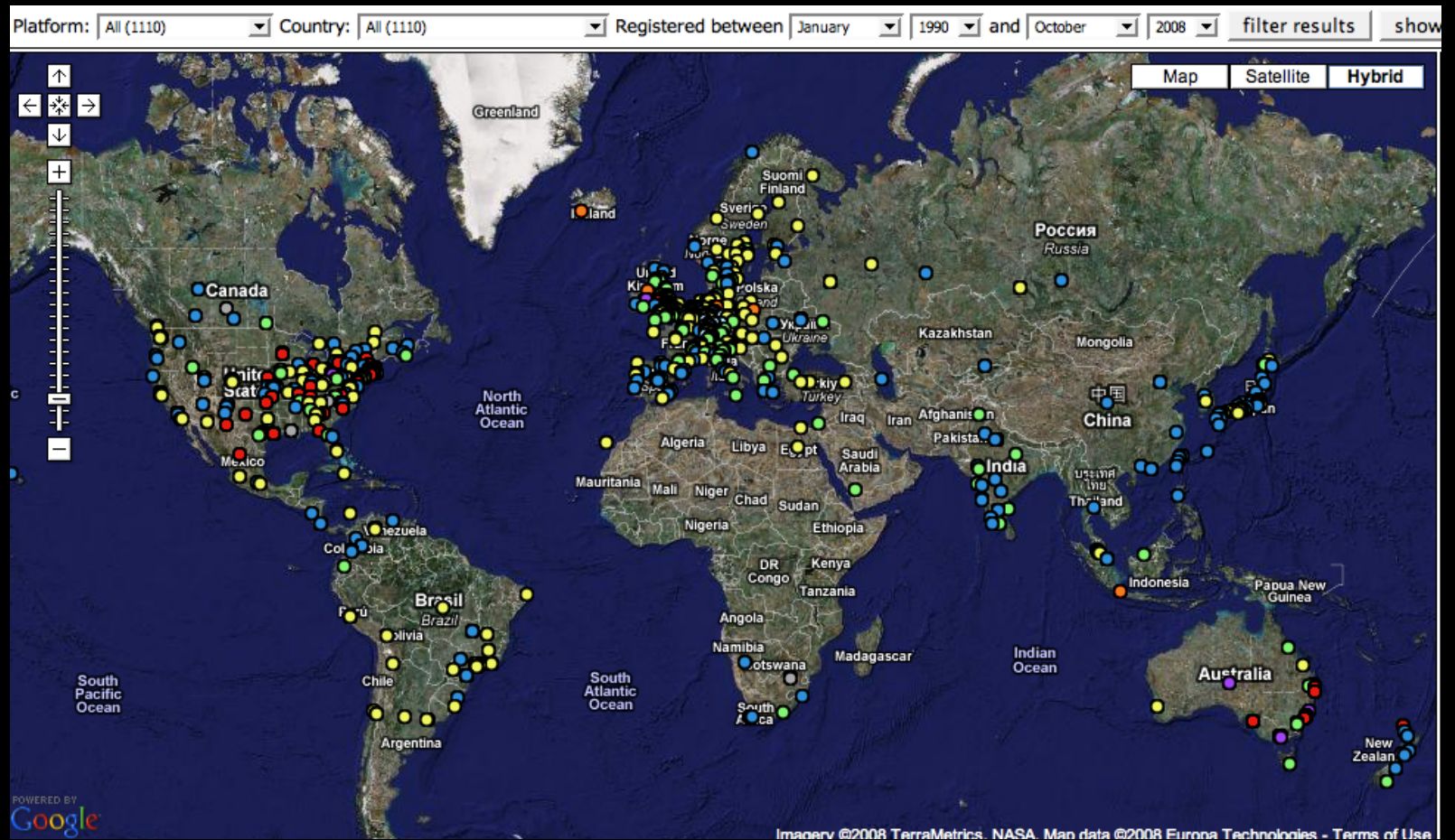


We are committed to providing open technologies and services that promote durable, persistent access to digital data.

DuraSpace Ecosystem



DuraSpace – large global network



Collaborators

Users

Partners

Funders

Librarians

Scholars

Scientists

Curators

Archivists

Technologists

DURASPACE™

DuraSpace is:



Jonathan Markow
Chief Strategy Officer



Michele Kimpton
Chief Executive Officer



Brad McLean
Chief Technology Officer



Carol Minton Morris
Marketing/Comm



Valorie Hollister
Community Outreach



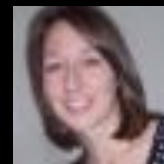
Tim Donohue
DSpace Tech



Chris Wilper
Fedora Tech



Bill Branan
Fedora/DuraCloud



Carissa Smith
Partner Specialist



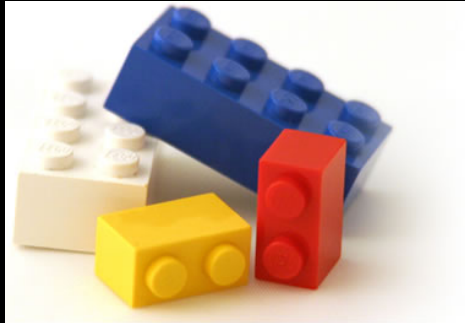
Andrew Woods
Fedora/DuraCloud



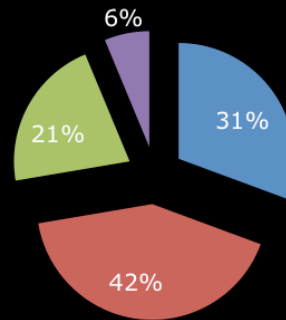
Sandy Payette
Advisor to Executive Team

Selected 12 month highlights

Selected 12-Month Highlights



Integrations on Technologies



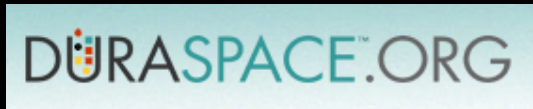
Turned the Corner on
Income Diversification Strategy



Successful
Sponsor Program



Completion of Pilot Program
and Launch Plan for Q3 2011



New Islandora Websites



Thriving Global
Repository Communities

Registered Service
Provider Program

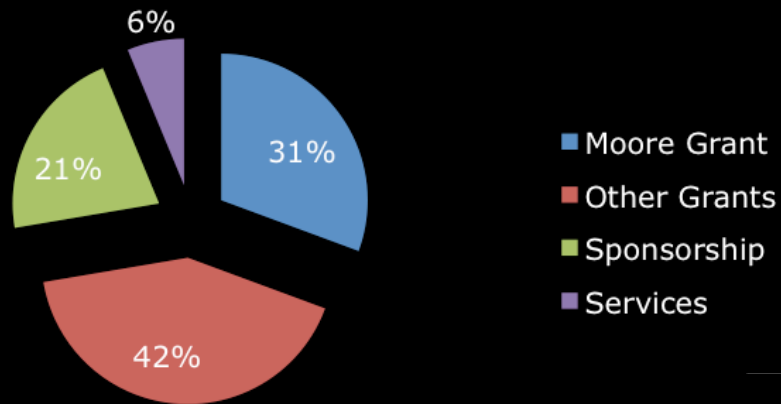


Education Program

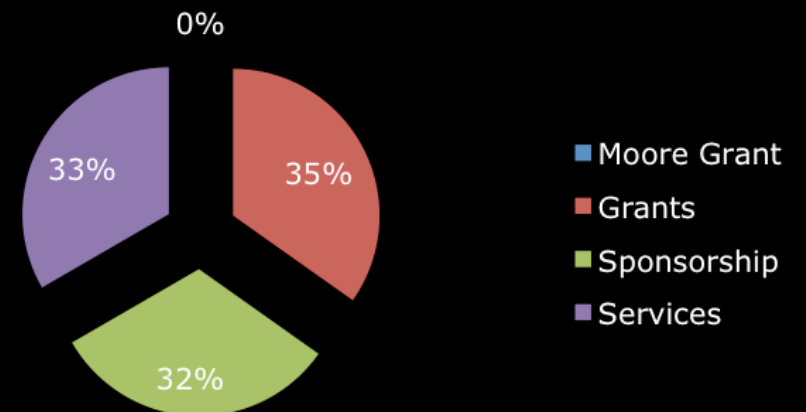


Funding Sources

Funding Sources 2011



Funding Sources 2014



Sponsorship 2011



Navigating your sea of data is a whale of a problem.

Good thing we're in this together.

DURASPACE™

OPEN TECHNOLOGIES FOR DURABLE DIGITAL CONTENT

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[Cornell University Library](#)



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[Inter-University Consortium for Political and Social Research \(ICPSR\)](#)



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[University Library, University of Illinois at Urbana-Champaign and University of Illinois at Chicago Library](#)



[University of Michigan Library](#)



[University Library System, University of Pittsburgh](#)



[University of Toronto](#)

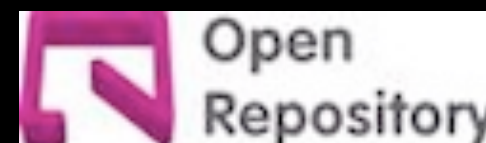


[University of Virginia Library](#)



[Virginia Tech Libraries](#)

Registered Service Provider Program



DuraSpace.org Site

The screenshot shows the DuraSpace.org website homepage. At the top, there is a navigation bar with the site logo, a teal gradient background, and links for 'BLOG | WIKI' along with social media icons for Twitter and RSS. Below the navigation bar is a secondary menu with links for 'About | Technologies | Community | Resources | FAQ'. The main content area features a large heading: 'We believe that preserving the world's intellectual, cultural and scientific heritage is vital.' This is followed by three columns of text: 'WE provide leadership and innovation in developing durable, open technologies.', 'Our COMMUNITIES share solutions in more than 90 countries.', and 'Our SPONSORS are committed to preserving the scholarly record.' To the right of this text is a framed image of a Chinese paper god with the text 'For your repository browsing pleasure... LEARN ABOUT CHINESE PAPER GODS'. Below the main heading is a section titled 'Our Projects' with a red background. This section lists three projects: 'DSpace' (a turnkey institutional repository application), 'Fedora Commons' (a framework for building digital repositories), and 'Duracloud' (a hosted service for managing content in the cloud). On the right side of the page, there are sections for 'ANNOUNCEMENTS', 'NEWS', and 'EVENTS', each with a list of recent posts and links to read more.

BLOG | WIKI |  

DURASPACE.ORG

About | **Technologies** | Community | Resources | FAQ

We believe that preserving the world's intellectual, cultural and scientific heritage is vital.

WE provide leadership and innovation in developing durable, open technologies.

Our COMMUNITIES share solutions in more than 90 countries.

Our SPONSORS are committed to preserving the scholarly record.



For your repository browsing pleasure...
LEARN ABOUT CHINESE PAPER GODS

Our Projects

 DSpace is a turnkey institutional repository application. ► [SITE](#)

 Fedora Commons™ Fedora is a framework for building digital repositories. ► [SITE](#)

 Duracloud is a hosted service for managing your content in the cloud. ► [SITE](#)

ANNOUNCEMENTS See all announcements
DuraSpace Announces New CEO and Chief Strategy Officer
Ithaca, NY... 11 weeks 5 days [Read Post](#)

NEWS See all announcements
"The Ivory Tower and the Open Web": Dan Cohen at CNI
... 18 weeks 16 hours [Read Post](#)

EVENTS See all announcements
CALL: Jasig's 2011 "Spotlight on Open Source"
... 17 weeks 6 days [Read Post](#)





A simple and scalable cloud-based solution to address the challenge of preserving digital content.

- **Strategic Significance**
 - Provide easy pathway into cloud
 - Support both preservation and access
 - Simple, practical and powerful
 - Our first move into services for revenue

Upcoming Launch

The screenshot shows the DuraCloud website homepage. At the top left is the DuraCloud logo, and at the top right are links for DOCUMENTATION, SUPPORT, and social media icons. Below the logo are navigation links for Overview, Solutions, Features, and Learn More, along with a Google Custom Search box. The main banner features a background of colorful books with the text "Store and do more ON-DEMAND STORAGE AND SERVICES FOR YOUR DIGITAL CONTENT" and a "WHAT USERS ARE SAYING" link. Below the banner are three call-to-action buttons: "FIND OUT MORE", "TRY IT", and "GET STARTED". To the right of these buttons is a video player with the DuraCloud logo and a 00:00 timer. The footer contains four columns of links: News and Events, Spotlights, Open Source Community, and Customer Help and Support. A page indicator "1 of 10" is visible at the bottom left.

DURACLOUD™

DOCUMENTATION | SUPPORT |

Overview Solutions Features Learn More

Store and do more
ON-DEMAND STORAGE AND SERVICES FOR YOUR DIGITAL CONTENT

WHAT USERS ARE SAYING

FIND OUT MORE

TRY IT

GET STARTED

DURACLOUD™
00:00 00:00

News and Events
Thank You to Our DuraSpace Community of Supporters
Backing Out of the Cloud: Report from Information Week Analytics

Spotlights
A 19th Century View of Shakespeare Through the Cloud
A Quick Analysis with a Side of Data
Easy Cloud Access for Collection Managers and Curators

Open Source Community
Why Open Source?
Discussion Forum
Documentation
Issue Tracker

Customer Help and Support
Contact Us
Pricing
Newsletter Sign-Up
Documentation

1 of 10 »

ASPACE™

Services at Launch



Duplication on ingest and synchronization



Image Viewing



Duplication on demand



Media Streaming



Bit Integrity Checking



Future: Image Transformation



Scalable

DURASPACE™

...more on roadmap

Fedora/DuraCloud Integration

- Command line sync piloted and proven
- “Fedora CloudSync” UI
 - Features granular backup/restore
- Mixed Mode local/cloud repositories under research

What about the DSpace & Fedora integration?

- Issued the proposal to the community
- Held panel discussion at OR12
- Exploring data model
- A few in the community interested in the effort

What else is ahead for 2012?

- Efforts on funding diversification
- Launch incubator program
- Catalyst for community groups
- Content development for educational program
- DuraCloud – DTR & even more simple

Fedora

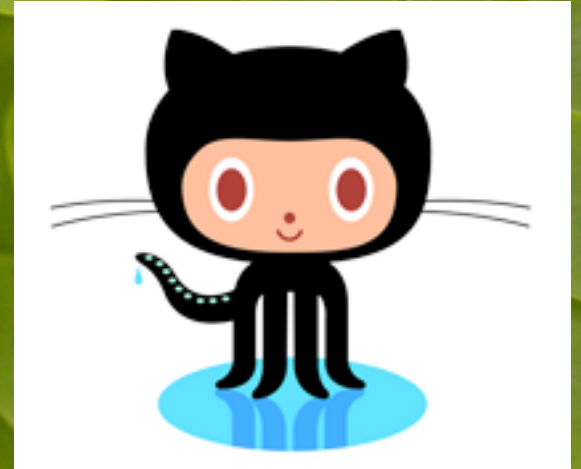
Where We've Been.

- August 2010 - 3.4
 - second community-managed release
 - Steve Bayliss, Acuity Unlimited
- October 2010 - 3.4.1
 - security release
- January 2011 - 3.4.2
 - bug fix release
- August 2011 - 3.5



Other Good Stuff

- Move to GitHub
 - Making developers' lives easier
 - Lowering barriers
- Growth
 - Now 12 Committers
 - Steady stream of contributors



A photograph of a baby sitting in a red chair outdoors. The baby is wearing a blue and orange striped shirt and is holding a large, colorful pinwheel on a white stick. The pinwheel has multiple blades in shades of yellow, orange, red, and blue. The background shows green foliage and a grey wall.

The Fedora Committers

Ben Armintor
Asger Askov Bleking
Steve Bayliss

Aaron Birklar
Bill Branan
Dan Davis

Gert Schmeltz
Pedersen
Scott Prater
Edwin Shin

Kai Strnad
Chris Wilper
Andrew Woods

Fedora 3.5: Current Release

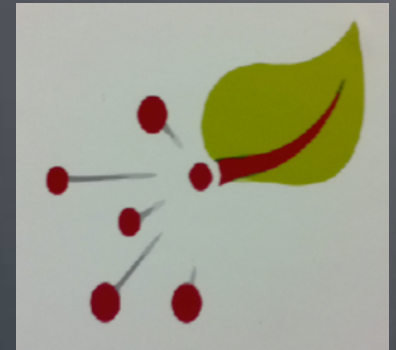
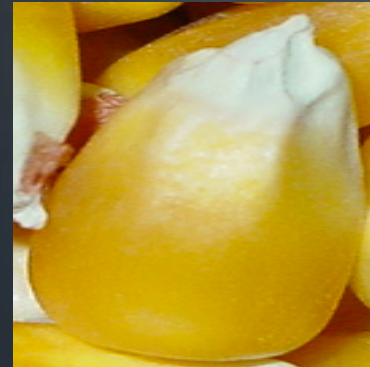
- Third Community-Managed Release
 - Aaron Birkland, Cornell University
- ~20 Features/Improvements, including:
 - stage-setting for full move to Spring
 - FESL no longer dependent upon DBXML
 - functional test improvements
- ~15 Bug Fixes
- Now working on a couple issues discovered in testing

Fedora 3.6: Early 2012



- Major Focus: Performance & Stability
 - bottleneck analysis
 - stress testing
 - performance improvements
 - *repeatable tests*
- Move to Modern Web Services Stack
 - CXF (GSoC Project)
- *Last 3.x Release*

4.0 Aspirations



- Kernelization of Fedora
 - Full move to Spring
 - Fedora as Spring Bean
 - Resource Index as Service
- High Level Storage
 - Storage Plugins at the *Object* level
- Messaging Improvements
 - Publish events at the data modification level
 - Complete enough to replay (e.g. for Journaling)

It's a Big World.

- Popular Front-Ends
 - Hydra Heads
 - Islandora
- New Integrations
 - DuraCloud: CloudSync
 - Hadoop FileSystem: Akubra-hdfs
- Many Others
 - See Fedora Create
- Growing community
 - Particularly in gov't: USGS, Goddard Space, NASA, NLM



Image credits

- Road to Uluru: <http://www.flickr.com/photos/joanet/2994421437/>
- Jindai botanical garden: <http://www.flickr.com/photos/61259390@N04/5579042364/>
- Octocat: <http://github.com/>
- Pinwheel Mo: Deb (of SmileyStuff fame)
- Finish Line: <http://www.flickr.com/photos/jayneandd/4450623309/>
- Lamborghini LP560-4: <http://www.flickr.com/photos/limlikwei/3269785875/>
- Field Corn: http://www.flickr.com/photos/alternative_heat/5640862933
- Fedora Springification: Ben Armintor (cleverly lifted from his OR11 Poster)
- This is not a social media megaphone: <http://www.flickr.com/photos/altemark/337248947/>
- Old Globe: <http://www.flickr.com/photos/toasty/1540997910/>

Thank you!

Valorie Hollister

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