Repository Software
Technical Update

May 2009

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Fedora 3.2 Highlights
Welcome to the Fedora Repository Web Administrator

You are connected to the following repository:

- Repository Name: **Fedora Repository**
- Repository Version: **3.2**
- Repository Base URL: **http://localhost:8080/fedora**
    <dc:title>Coliseum in Rome</dc:title>
    <dc:creator>Thornton Staples</dc:creator>
    <dc:subject>Architecture, Roman</dc:subject>
    <dc:description>Image of Coliseum in Rome</dc:description>
    <dc:publisher>University of Virginia Library</dc:publisher>
    <dc:format>image/jpeg</dc:format>
    <dc:identifier>demo:5</dc:identifier>
</oai_dc:dc>
Label: Thorny's Coliseum medium jpg image
Control Group: Managed Content (M)
MIME Type: image/jpeg
State: Active (A)
Created: 2008-07-02T05:09:43.375Z
Versionable: Updates will create a new version
Format URI: 
Alternate IDs: 
Access URL: http://localhost:8080/fedora/objects/demo:5/datastreams/MEDRES_IMG/content
Checksum: Disabled
New Storage Abstraction: Akubra

- Store files by ID
- Pluggable
- Stackable
- (Multiplexing)
More Improvements

- Out-of-box Derby Support

- Run Fedora at arbitrary paths e.g. http[s]://host/repository

- Proven SWORD 1.3 Integration
25 bugs put out to pasture...
Special Acknowledgements

- **New Committers:**
  - Kai Strnad (FIZ Karlsruhe)
  - Andrew Woods (DuraSpace)

- **Other Contributors:**
  - Pradeep Krishnan and Ronald Tschalar (Topaz)
  - McClain Looney (MediaShelf)
  - Ross Wayland (Retired!)
  - Many others in the user/developer community
Where are we headed?

- Themes First
- Then Priorities
Theme: Semantic Web

- RELS-INT
- More control of what's indexed
- Improved SPARQL support
Theme: Content Modeling

- Incremental Improvements (ranges, etc)

See Also:
- Enhanced Content Models
- Active Fedora
Theme: Disseminators

- Improved ease-of-setup
- Support for PUT/POST/DELETE
Theme: Lightweight Interfaces

- AtomPUB
- ORE
- WebDAV
- FedoraFS (FUSE)

- Simple queue service supporting ingest/workflow
Theme: Storage Pluggability

- Transition to Akubra
- DuraCloud Plug-in
- Replication
- Migration
Ongoing Themes

- Security:
  - Fedora Enhanced Security (Eddie 3:30-5)

- Scalability and Performance:
  - Ongoing contributions from FIZ Karlsruhe
  - Dan Davis & Sun Storage Team
Theme: Improved Modularity

- Modern builds: Maven2
- Modern plugin architecture: OSGi / Spring DM
Theme: Fedora-DSpace

- Support Dspace-on-Fedora efforts
  - Google Summer of Code
  - DSpace 2
- DSpace-Fedora replication back-and-forth
Are we really community driven?
Yes! Help Us Define Priorities

- Use the tracker (It's our inbox)
- Report bugs/feature requests
- Good: Sign up and vote on issues
- Even better: Vote with code.
[Thank You]