

2013-10-17 - Fedora Committer Meeting

Time/Place

This meeting is a hybrid teleconference and IRC chat. Anyone is welcome to join...here's the info:

- Time: [11:00am Eastern Daylight Time US \(UTC-4\)](#)
- ReadyTalk:
 - U.S.A/Canada toll free: 866-740-1260, participant code: 2257295
 - International toll free:
 - <http://www.readytalk.com/intl>
 - Use the above link and input 2257295 and the country you are calling from to get your country's toll-free dial-in number
 - Once on the call, enter participant code 2257295
- IRC:
 - [Join the #duraspace-ff chat room via Freenode Web IRC](#) (enter a unique nick)
 - Or point your IRC client to #duraspace-ff on irc.freenode.net

Attendees

- [A. Soroka](#)
- [frank asseg](#)
- [Greg Jansen](#)
- [Nigel Banks](#)
- [Ed Fugikawa](#)

Agenda

1. Review current fcrepo4 work
 - a. RDF iteration in the core
 - b. Simplified deployment
 - c. Islandora interoperability
 - d. Search
2. Profiling

Previous Actions

- [Michael Durbin](#) to create Pivotal tickets for UI polish
- [Benjamin Armintor](#) to send email for others to sign his and other committers' keys

New Actions

- [Greg Jansen](#) to check into possible cluster testing resource at UNC.

Minutes

Review current work for Fedora 4

- RDF iteration in the core. (Refactor of code, move away from models and towards an lazy iteration model)
 - Improved memory usage.
 - Apache Jena, stored RDF in memory, contained more than we needed, now using our own abstraction.
- Simplified Deployment. ([Osman Din](#), not present) Simplify configuration. Still in progress.
- Islandora Interoperability - Soon both Fedora 3 and Fedora 4 will share the same code base.
- Search ([Ye Cao](#), not present), Generic Search Solution for Fedora 4. Mulgara to be built upon existing indexer ([Nigel Banks](#)).

Fedora 3.7.1

- Bug fixes
- Speed improvements (Thanks [Benjamin Armintor](#)!)

Fedora Profiling ([frank asseg](#))

- Some results from the SCC cluster: <https://wiki.duraspace.org/display/FF/Performance+evaluation+on+the+SCC+Cluster>
- We are currently limited by our test platform.
- Currently working on getting physical nodes to test the platform on rather than shared VM's.
- Fedora 4 now has a greater throughput than Fedora 3, yeah!
- Increasing the number of threads didn't seem to improve performance.
- Tweaking configuration.
- Check out project on Github <https://github.com/futures/benchtool>
- Single Node performance is important.
- LevelDB NoSQL store may work with infinispan to dramatically increase performance (Chris Beer tested this in single node before, may not be able to use with cluster).
- Two kinds of metrics:
 - Load testing, this is what frank asseg is working on.
 - Internal Metrics which time operations inside the software, good for finding the source of problems.