

2017-12-07 - Fedora Tech 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)
- Dial-in Number: (712) 775-7035
 - Participant Code: 479307#
 - International numbers: [Conference Call Information](#)
 - Web Access: <https://www.freeconferencecallhd.com/wp-content/themes/responsive/flashphone/flash-phone.php>
- IRC:
 - [Join the #fcrepo chat room via Freenode Web IRC](#) (enter a unique nick)
 - Or point your IRC client to #fcrepo on irc.freenode.net

Attendees

- [Jared Whiklo](#)
- [Peter Eichman](#) ★
- [Andrew Woods](#)
- [Carrick Rogers](#)
- [Bethany Seeger](#)
- [Aaron Birkland](#)
- [Yinlin Chen](#)
- [Seth Shaw](#)
- [Danny Bernstein](#)
- [Doron Shalvi](#)
- [Ben Pennell](#)

Agenda

1. Announcements
 - a. Oxford Common Filesystem Layout meeting [happened last Friday](#)
 - b. [Auto-invite form](#) for [fedora-project slack](#) now available (thanks [Michael B. Klein](#))
2. Needing volunteers
 - a. [New Fedora Clustering configuration](#) - [Carrick Rogers](#)?
3. 4.7.5 release - Planning for week of January, 15th 2018
 - a. Release manager - [Osman Din](#)
4. [Fedora API Test Suite](#)... needing:
 - a. Try the tool against an API implementation
 - b. Code reviewing the tool... lots of low-hanging fruit
5. Simple, synchronous query in Fedora
 - a. [Prior art](#)
 - b. Queries to support
 - i. select ?s where {?s ?p ?o}
 - ii. select ?s where {?s <some-pred> ?o}
 - iii. select ?s where {?s <some-pred> <some-object>}
6. Tickets re
 - a.

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 - [Bethany Seeger](#) to review?
 - b.

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 - [Ralf Claussnitzer](#) to explore?
 - c.

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 - [Ben Pennell](#) to explore?
 - d.

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 - on hold or close?
7. 5.0.0 release
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 - c.

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 - [Danny Bernstein](#) working
 - d.

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 - i.

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 - n.

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 - v.

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 - w.

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 - x.

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 - y.

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 - z.

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8. Beyond 5
 - a. Persistence?
 - b. Journaling?
 - c. Simple, synchronous query?
9. ...
10. Tickets In-Review

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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Ticket Summaries

1. Please squash a bug!

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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2. Tickets resolved this week:

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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3. Tickets created this week:

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution
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Minutes

Danny B will be hosting next week's call

1. OCFL
 - a. OCFL call
 - i. round robin survey of digital preservation at 6 institutions
 - ii. application independent disk/fs layouts
 - iii. [Danny B] key takeaways?
 1. covered tooling/specifications for standardizing file storage layouts
 2. effort from Stanford called "Moab" to group these tools, adds process as a layer on top, does versioning
 3. looking for common elements across institutions' digital preservation file storage strategies
 - iv. [Bethany] more "what are we doing" conversations useful
 - v. [Bethany] what about distributed setups for serving the data?
 - vi. assume we are writing to disk
 - vii. "disk" is not fully specified
 - viii. scale wrt lots of content but not performance issues
 - b. 1.b. think about using Slack more on the technical side of Fedora?
2. Clustering config
 - a. [Carrick] it is on DevOps TODO list, should happen in the next 2 weeks (11-22 Dec)
3. 4.7.5 release, scheduled Jan 15
 - a. aim to get a RC out soon (this week or next)
 - b. [Danny B] will review master on Monday for bugfixes that should be backported, cherrypick onto 4.7-maintenance
 - c. do release off 4.7-maintenance branch
 - d. look for unresolved bugfix tickets
 - e. [Peter] can do RC testing first week of January

- f. [Carrick] can also RC testing first week of January, w/Avalon & Hyrax
 - g. [Danny B] will put out RC next week
 - h. [Jared] will assist
 - i. will likely have to push out the Jan 15 release date
 - j. review tickets for anything you want in 4.7.5 that is not yet
4. UMD/NLM achitecture meetup
- a. [Doron] we hold DC Fedora Users Group twice a year
 - b. had a smaller meeting at UMD to focus on architecture needs, upcoming needs, and a discussion of community status
 - c. attendees: Doron, Esmé, Josh Westgard, Peter, Mohamed, Ben Wallberg
 - d. NLM is just beginning additional projects that require architecture buildout of enduser admin tools
 - i. currently on F3, want to migrate, ran into issues before
 - ii. discussed Hyrax, Figgy, Valkyrie
 - iii. IR vs. digital repository, CMS-like feature that we don't need
 - iv. current model is to have large files on fs, external links in F3, would like to continue this model in F4
 - v. would like F4 to support the "rebuild repo from fs" capability that OCFL promises
 - vi. NLM thinks F4 conceptually seems fine for modelling
 - vii. performance is still an issue in migration
 - b. [Aaron B] F4 is more akin to a resource store rather than an object store
 - i. provides primitives to model objects
 - ii. resources are managed and versioned individually
 - c. OCFL defining object repo in the filesystem
 - i. resembles the F3 object notion
 - d. F4 provides tools to model objects, but not persisted and managed as a unit
 - e. OCFL object members are collocated in some structure
 - f. can F4 provide guidance on structuring resources in the userspace level?
 - g. [Doron] looking for F4 to provide an object store
 - i. want to publish RDF on the web
 - ii. fine with using multiple tools for object store and object publishing
 - h. [Andrew] reflect on the API spec and imagine if your achitecture can use it
 - i. related to the question of what services should Fedora offer
 - ii. not ideologically bound to the single subject restriction
 - i. [Doron] where should LDP functionality live in the stack
 - j. Fedora is not a triplestore, its an object store
 - k. [Aaron B] "object store" is not defined anywhere
 - i. F4 API describes resources, not objects
 - ii. objects is a high-level concept that is constructed through relationships
 - iii. left as an exercise for the user to define objects in terms a of linked data
 - l. [Peter] F3 had built in object model
 - i. need to start object model sharing and reuse discussion?
 - ii. [Andrew] PCDM was the first attempt at object model consensus
 - iii. [Aaron B] F4 not opinionated wrt object models
 - iv. [Andrew] mapping flexibility of resources on F4 to OCFL will be an interesting exercise
5. encourage folks to run API test suite at various implementations
6. desire for very simple synchronous query in F4
- a. [Jared] are we putting query into F4?
 - b. [Andrew] this is just exploratory for now