

# 2017-04-20 - 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
- Yinlin Chen
- Andrew Woods
  
- Joshua Westgard 
- Nick Ruest
- Aaron Birkland
- Daniel Lamb
- Danny Bernstein
- Bethany Seeger
- Unknown User (acoburn)
- Esmé Cowles
- Longshou Situ
- Kieran Etienne

## Agenda

1. API Specification
  1. Diagram of specification dependencies
  2. Outstanding issues
  3. Benjamin Armintor: Input re:external-content from LDCX
2. Implications of blank node redesign:  **FCREPO-2408** - Skolemize to hash-URIs, not /.well-known/genid/ **CLOSED**
  1. Based on community input 4.7.3 is reasonable
  2. Need upgrade utility:  **FCREPO-2423** - Migration tool: Skolem resources to Hash-URIs **OPEN**
3. Suggestions from recent Fedora Leaders meetings
  1. Have an elected Fedora Committer join Fedora Leaders calls
  2. Have DuraSpace-hosted release testing infrastructure
  3. Interest in tighter alignment of effort and priorities between Islandora/Hydra/Fedora
4. Upcoming meetings
  1. 2017-06-12 Performance - Scale meeting
  2. 2017-04-27 - Import - Export Planning Meeting
5. ...
6. Status of "in-flight" tickets

[Click here to expand...](#)

## Ticket Summaries

1. Please squash a bug!  
[Click here to expand...](#)

Key	Summary	T	Cr eated	U pdated	D ue	Ass ignee	Repor ter	P	S tatus	R esol ution
FCREP O-2938	remove fedora:writable triple?		Nov 12, 2018	Nov 12, 2018		Unassi gned	Bethany Seeger	⇩	Op en	Unre solv ed
FCREP O-2931	TimeMap (LDPCv) rel should advertise the application/link-format type		Nov 02, 2018	Nov 08, 2018		Bethan y Seeger	Danny Bernstein	⇩	Op en	Unre solv ed
FCREP O-2841	Vulnerability on the commons-httpclient-3.1 dependency of fcrepo-integration-rdf		Aug 06, 2018	Aug 06, 2018		Unassi gned	Peter Eichman	⇩	Re ceive d	Unre solv ed
FCREP O-2800	Issues running Fedora multi-threaded		May 14, 2018	May 14, 2018		Unassi gned	Harsha Ummerpill ai	⇩	Re ceive d	Unre solv ed
FCREP O-2790	Using a hash URI as a ldp:membershipResource doesn't work		May 04, 2018	May 04, 2018		Unassi gned	Esmé Cowles	⇧	Op en	Unre solv ed
FCREP O-2780	GET inbound refs incomplete response		Apr 26, 2018	Apr 30, 2018		Unassi gned	Kevin Ford	⇩	Op en	Unre solv ed
FCREP O-2746	Failed to reset the input stream when not accessing s3 directly or s3 compatible gateway		Apr 06, 2018	Apr 06, 2018		Unassi gned	Thomas Schneider	⇩	Op en	Unre solv ed
FCREP O-2739	Server returns an error after inserting a particular triple syntax		Mar 17, 2018	Mar 19, 2018		Unassi gned	Stefano Cossu	⇧	Op en	Unre solv ed
FCREP O-2712	GET with Prefer=InboundRefs on /fcr:metadata does not include InboundRefs		Mar 09, 2018	Mar 09, 2018		Unassi gned	Kevin Ford	⇩	Re ceive d	Unre solv ed
FCREP O-2670	baseURI incorrect for audit JMS messages		Feb 02, 2018	Feb 05, 2018		Unassi gned	Bethany Seeger	⇩	Op en	Unre solv ed
FCREP O-2666	HTML UI does not update properly after binary resource reversion		Jan 23, 2018	Feb 01, 2018		Unassi gned	Danny Bernstein	⇩	Op en	Unre solv ed
FCREP O-2665	Integration tests flap on non-virtualized windows 10 machines.		Jan 23, 2018	Jan 24, 2018		Unassi gned	Danny Bernstein	⇩	Op en	Unre solv ed
FCREP O-2663	MOVE - Cannot delete Solr index		Jan 16, 2018	Jan 17, 2018		Unassi gned	Ferdinand o Terranova	⇧	Op en	Unre solv ed
FCREP O-2662	Sparql Delete works inconsistently in transaction		Jan 03, 2018	Jan 04, 2018		Unassi gned	Ben Pennell	⇧	Op en	Unre solv ed
FCREP O-2659	Maven Enforcer Plugin `bannedDependencies` rule failes to resolve dependencies correctly		Dec 05, 2017	Oct 04, 2018		Ralf Clauss nitzer	Ralf Claussnit zer	⇩	Op en	Unre solv ed
FCREP O-2658	Invalid ebucore:hasMimeType value inhibits access to content		Dec 01, 2017	Dec 01, 2017		Unassi gned	Kevin Ford	⇩	Re ceive d	Unre solv ed
FCREP O-2650	MD5s not being stored in transaction		Oct 24, 2017	Aug 02, 2018		Unassi gned	Ben Pennell	⇧	Op en	Unre solv ed
FCREP O-2648	Tomcat stuck threads during object ingest into Fedora with fcrepo-audit module enabled		Oct 19, 2017	Nov 29, 2017		Unassi gned	Peter Eichman	⇧	Op en	Unre solv ed
FCREP O-2635	binaries accepted by fcrepo did not arrive at final Modeshape storage location		Sep 29, 2017	Sep 29, 2017		Unassi gned	Joshua Westgard	⇧	Re ceive d	Unre solv ed
FCREP	Incorrect ldp:contains reference on versioned		Sep 14,	Sep 14,		Unassi	Ben	⇧	Re ceive	Unre solv

Showing 20 out of 47 issues

## 2. Tickets resolved this week:

[Click here to expand...](#)

Key	Summary	T	Cr eated	U pdated	D ue	As signee	Re porter	P	S tatus	R esol ution
FCREP O-2950	Update maven dependencies for fcrepo-java-client		Nov 14, 2018	Nov 14, 2018		Ben Pennel l	Ben Pennel l	⬆️	Cl osed	Fixe d
FCREP O-2939	Update GET Prefer header listing		Nov 13, 2018	Nov 14, 2018		Andre w Woods	Ben Pennel l	⬇️	In Revie w	Rea dy for Test
FCREP O-1889	Direct/Indirect Containers allow writing arbitrary triples to any resource, despite access controls		Feb 04, 2016	Nov 12, 2018		Jared Whiklo	Rob Sander son	⬆️	In Revie w	Fixe d

3 issues

## 3. Tickets created this week:

[Click here to expand...](#)

Key	Summary	T	Cr eated	U pdated	D ue	As signee	Re porter	P	S tatus	R esol ution
FCREP O-2955	Provide constants to assist with Fedora concepts		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬆️	Op en	Unre solv ed
FCREP O-2954	Support adding non-specification headers		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬇️	Op en	Unre solv ed
FCREP O-2953	Add flag to allow the client to follow redirects		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬇️	Op en	Unre solv ed
FCREP O-2952	Support webac changes in client		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬆️	Op en	Unre solv ed
FCREP O-2951	Add support for State tokens		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬆️	Op en	Unre solv ed
FCREP O-2950	Update maven dependencies for fcrepo-java-client		Nov 14, 2018	Nov 14, 2018		Ben Pennel l	Ben Pennel l	⬆️	Cl osed	Fixe d
FCREP O-2949	Support providing memento-datetime header		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬆️	Op en	Unre solv ed
FCREP O-2948	Allow PATCH to specify any Content-Type		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬇️	Op en	Unre solv ed
FCREP O-2947	Support providing ACL on POST/PUT		Nov 14, 2018	Nov 14, 2018		Unassi gned	Ben Pennell	⬆️	Op en	Unre solv ed
			Nov	Nov						Unre

FCREP O-2946	Support setting of interaction model		14, 2018	14, 2018	Unassigned	Ben Pennell		Open	solved
FCREP O-2945	Support Accept-Datetime header on HEAD/GET		Nov 14, 2018	Nov 14, 2018	Unassigned	Ben Pennell		Open	Unresolved
FCREP O-2944	Support Want-Digest on GET/HEAD		Nov 14, 2018	Nov 14, 2018	Unassigned	Ben Pennell		Open	Unresolved
FCREP O-2943	Add methods for creation of external content to POST /PUT		Nov 14, 2018	Nov 14, 2018	Unassigned	Ben Pennell		Open	Unresolved
FCREP O-2942	Deprecate MOVE and COPY related code		Nov 14, 2018	Nov 14, 2018	Unassigned	Ben Pennell		Open	Unresolved
FCREP O-2941	Aligning the fcrepo-java-client with the fedora specification and fcrepo5		Nov 14, 2018	Nov 14, 2018	Unassigned	Ben Pennell		Open	Unresolved
FCREP O-2940	Deprecate MOVE/COPY in documentation		Nov 13, 2018	Nov 13, 2018	Unassigned	Ben Pennell		Received	Unresolved
FCREP O-2939	Update GET Prefer header listing		Nov 13, 2018	Nov 14, 2018	Andrew Woods	Ben Pennell		In Review	Ready for Test
FCREP O-2938	remove fedora:writable triple?		Nov 12, 2018	Nov 12, 2018	Unassigned	Bethany Seeger		Open	Unresolved
FCREP O-2937	Section 3.1.3: Add Default Idp: insertedContentRelation Indirect Containers		Nov 09, 2018	Nov 12, 2018	Unassigned	Danny Bernstein		Open	Unresolved
FCREP O-2936	Sections 3.1.2 and 3.1.3: Add Default Idp: hasMemberRelation to Direct and Indirect Containers		Nov 08, 2018	Nov 11, 2018	Unassigned	Danny Bernstein		Open	Unresolved

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## Minutes

### API Specification

- Andrew: Recently, there have been some challenges to the completion of the first working draft of the specification as a result of differing opinions about the goals of the effort among those working on the draft.
- Andrew: It seems clear that there is a continuum of opinions about what the purpose should be.
- The following document put together by [Simeon Warner](https://wiki.duraspace.org/display/FF/2017-04-20+-+Fedora+Tech+Meeting?preview=/83237409/83237410/2017-04_fedora_dependencies.pdf) served as a guide for much of the discussion that ensued: [https://wiki.duraspace.org/display/FF/2017-04-20+-+Fedora+Tech+Meeting?preview=/83237409/83237410/2017-04\\_fedora\\_dependencies.pdf](https://wiki.duraspace.org/display/FF/2017-04-20+-+Fedora+Tech+Meeting?preview=/83237409/83237410/2017-04_fedora_dependencies.pdf)
- Andrew: It seems clear that testability is an important characteristic that we are striving for in the specification.
- Andrew: The idea of having an "other behaviors" document (reflecting choices made by community implementation, but not required by the core) seems inevitable in order to document the community implementation.
- Esmé (responding to a question about Derby, which appears on the above document): Derby is a pure Ruby LDP implementation primarily used for testing in Hydra development.
- Esmé: I hope that the list of items in "other behaviors" box (examples include slug use and URI patterns) would shrink over time.
- Esmé: But would the community implementation ever move away from its Single Subject Requirement? That is perhaps doubtful, but other implementations might choose not to require this.
- Esmé: Having space for both innovation and evolution in the spec is OK.
- Esmé: Batch Atomic lends itself to being broken out as a separate document, but Fixity might not be so easy or appropriate to break out.
- Aaron C.: The origin of the discussion of fixity was around the use of HTTP Expect headers. [Secretary's note: There seemed to be general agreement that this use of expect headers was correctly removed from the specification since it was in conflict with the latest version of an underlying specification].
- Jared: Achieving swappability may well require work on the part of those making the swap (it's not just a matter of firing up the new implementation and done).
- Jared: Lack of DELETE in the spec is another example where swappability is complicated. Some implementations may allow it, but it is not guaranteed that all will, so clients that support that feature will not achieve swappability.

- Aaron C.: There is a lot of room for interpretation in any specification, and there are inevitably going to be cases where this leads to differences.
- Aaron C.: The more you limit your Fedora-specific assumptions, the more you'll be able to rely upon clients and tools created for the underlying specifications.
- Jared: Tying down to common specifications is good, but without forcing positions on some of the more questionable features. Realistically, a user is going to switch implementations only when there's a very good reason (when the alternative is clearly superior for a particular use case).
- Aaron C.: The reason for an alternative implementation is the ability to make different choices about things that are left open in the underlying specifications.
- Esmé: But even short of pure swappability, the specification could have the effect of easing the transition between implementations. Making multiple implementations available is also a good thing. But alternate implementations are not exclusively for the purpose of making different choices – having the specification will also make it possible to create what are in effect clones that make the same choices. One clone could show itself to be a superior implementation of the same set of features, even while making all the same choices on issues left open by the underlying specifications (the community implementation and Cavendish will likely be very close in this way).
- Jared: More specificity will also make it easier for clients to maneuver around changes as they come in the future.
- Nick: Most of what Fedora does is LDP. If swappability is a goal, then Fedora needs to take a stance on whether Single Subject is required (LDP is silent on this).
- Andrew: We need to move out of stalemate mode and go forward. Perhaps a call specifically for discussion of the spec with a process for resolving differences of opinion would allow us to take it forward. This group could also hash out the "other" behaviors document.
- Josh: We have needs and plans regarding completion of the WebAC implementation that are going to be difficult in the Modeshape version and which are held up by the lack of resolution on the API specification.
- Aaron C.: Perhaps a way forward would be to limit the number of editors, but with lots of contributors (this limits the number of folks who need to come to consensus, and is a model commonly used in other specifications in the wider community).
- Andrew: We didn't get to any of the other agenda items besides the API specification effort, but it is an important topic and this was a productive discussion.