

# 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-2988	Creating versions of containers containing tombstones issue		Feb 08, 2019	Feb 13, 2019		Unassi gned	Ben Pennell	⇩	Re ceive d	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 fails to resolve dependencies correctly		Dec 05, 2017	Nov 16, 2018		Ralf Claus nitzer	Ralf Claus snitzer	⇩	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 O-2607	Incorrect ldp:contains reference on versioned resources		Sep 14, 2017	Sep 14, 2017		Unassi gned	Ben Pennell	⇧	Re ceive d	Unre solv ed
FCREP	Namespaces not created correctly via PUT and		Aug 28,	Aug 29,		Unassi	Bethany	⇧	Re ceive	Unre solv

Showing 20 out of 46 issues

## 2. Tickets resolved this week:

▼ [Click here to expand...](#)

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
No issues found										

## 3. Tickets created this week:

▼ [Click here to expand...](#)

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREPO-2990	Update documentation of namespace registry		Mar 22, 2019	Mar 22, 2019		Unassigned	Ben Pennell	▼	Received	Unresolved

1 issue

# 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 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.