

2018-06-21 - Fedora Tech Meeting

Time/Place

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



- Time: 11:00am Eastern Daylight Time US (UTC-4)
- Audio/Video Conference Link: <https://duraspace.zoom.us/my/fedora>
 - Dial-in:
 - +1 408 638 0968
 - +1 646 876 9923
 - +1 669 900 6833
 - Meeting ID:
 - 812 835 3771
- Join fedora-project.slack.com on the "tech" channel

Attendees





- [Peter Eichman](#)
- [David Wilcox](#)
- [Doron Shalvi](#) ★
- [Andrew Woods](#)
- [Yinlin Chen](#)
- [Joshua Westgard](#)

Agenda

1. [Upcoming Sprints](#)
 - a. Please sign up
 - b. Sprint 1: Release 5.0
 - i. Optimally we start Sprint 1 with a release candidate
 - ii. Complete documentation
 - iii. Wrap up the compatibility test kit
 - c. Sprint 2: Ecosystem Tools
 - i. Camel Toolbox
 - ii. Java Client
 - iii. Import/Export
 - d. What is the best way to prepare as a team?
2. Getting to 5.0 Release Candidate
 - a. [5.x Documentation Effort](#) matrix
 - b. In progress tickets

- i.  [FCREPO-2742](#) - Section 5: Allow single-document ACLs using hash URIs for authorizations. CLOSED
- ii.  [FCREPO-2774](#) - Mementos have incorrect subject returned CLOSED

c. Remaining external content (low-hanging: ie volunteers?, mini-sprint?) issues:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resoluti
FCREP O-2802	External Content Code Change to getContentSize		May 18, 2018	Oct 01, 2018		Ben Pennell	Bethany Seeger		CLOSED	Fixed
FCREP O-2801	Section 3.9: Ensure External Content responses include correct "constrained By" information		May 16, 2018	Oct 01, 2018		Bethany Seeger	Bethany Seeger		CLOSED	Done

FCREP O-2797	Split out External Content FedoraLdpIT tests into own file		May 11, 2018	Oct 01, 2018	Ben Pennell	Bethany Seeger		CLOSED	Fixed
FCREP O-2796	Fix External Content Fixity test in LocalFileBinaryIT		May 10, 2018	Oct 01, 2018	Ben Pennell	Bethany Seeger		CLOSED	Fixed
FCREP O-2776	Align external content documentation with the API Spec		Apr 25, 2018	Oct 01, 2018	Ben Pennell	Danny Bernstein		CLOSED	Fixed
FCREP O-2752	Section 3.9: Ensure that HEAD and GET to External Content Contain Required Headers		Apr 09, 2018	Oct 01, 2018	Longshou Situ	Danny Bernstein		CLOSED	Fixed

6 issues

d. All API Alignment Issues

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	FCREP O-2784	Document headers persisted for Mementos vs the OriginalResource	Unassigned	Jared Whiklo		OPEN	Unresolved	Apr 30, 2018	Nov 01, 2019	
	FCREP O-2092	Idp: isMemberOf Relation does not find reference property	Unassigned	Andrew Woods		OPEN	Unresolved	Jul 25, 2016	May 02, 2019	

2 issues

3. Fedora API Specification update
 - a. [Second Candidate Recommendation ready for publication!](#)
 - b. Sidecar specifications
 - i. One-step fixity check - [github issue](#) (create github repo in fcrepo4-labs)
 - ii. [Atomic operations](#) (move to fcrepo4-labs)
4. Moving python client code into fcrepo4-labs
5. <Add your agenda item here>

Ticket Summaries

1. Please squash a bug!

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
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FCREP O-3269	NonRdfSource descriptions are missing triples		Apr 02, 2020	Apr 02, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3261	404 should not include low-level response		Mar 26, 2020	Mar 26, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3257	PUT on existing container should be 409		Mar 20, 2020	Mar 26, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3256	Ghost nodes should be immutable		Mar 20, 2020	Apr 02, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3252	Disallow creating mementos within the same second		Mar 17, 2020	Mar 19, 2020	Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3244	Response triples should reference URIs and not internal IDs		Mar 09, 2020	Mar 09, 2020	Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3243	Fix concurrency issue when creating persistence sessions		Mar 09, 2020	Mar 09, 2020	Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3238	Address naming collisions for .fcrepo files		Feb 20, 2020	Feb 21, 2020	Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3234	PaxExam update needed to support Maven's HTTPS requirement		Feb 20, 2020	Feb 20, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3145	Fix migration-utils inline XML migration to not transform XML en route		Nov 25, 2019	Mar 02, 2020	Andrew Woods	Scott Prater		OPEN	Unresolved
FCREP O-3140	Implement disambiguation pattern for OCFL file naming collisions		Nov 21, 2019	Mar 20, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3139	Design a disambiguation pattern for the OCFL filenames		Nov 21, 2019	Apr 02, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3138	Test HTTP -> Service layer		Nov 21, 2019	Nov 22, 2019	Unassigned	Jared Whiklo		RECEIVED	Unresolved

FCREP O-3114	Unauthorized users can delete child resources		Nov 07, 2019	Nov 07, 2019	Unassigned	Danny Bernstein		RECEIVED	Unresolved
FCREP O-3070	Creating external binary with bad URI and digest blows up		Sep 24, 2019	Sep 24, 2019	Unassigned	Ben Pennell		OPEN	Unresolved
FCREP O-3037	Prefer header 'omit' containing 'PreferMinimalContainer' URL not honored		Sep 06, 2019	Nov 22, 2019	Unassigned	Bethany Seeger		OPEN	Unresolved
FCREP O-3022	Intermittent build failure		Jul 15, 2019	Jul 16, 2019	Unassigned	Aaron Birkland		OPEN	Unresolved
FCREP O-3005	GET and PUT on resource/fcr: metadata/fcr: acl and resource/fcr: versions/fcr: acl return 400		Jun 06, 2019	Jun 06, 2019	Danny Bernstein	Danny Bernstein		OPEN	Unresolved
FCREP O-3003	JSON-LD representation of rdf:Lists is incorrect		Jun 03, 2019	Jun 03, 2019	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-2998	Potential issue with namespace registry		May 22, 2019	Jun 21, 2019	Bethany Seeger	Anna Dabrowski		OPEN	Unresolved

Showing 20 out of 66 issues

2. Tickets resolved this week:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3263	NonRdfSource descriptions are missing headers		Apr 01, 2020	Apr 02, 2020		Jared Whiklo	Jared Whiklo		CLOSED	Fixed
FCREP O-3259	User provided RDF does not get the correct subject		Mar 26, 2020	Mar 31, 2020		Andrew Woods	Jared Whiklo		CLOSED	Fixed
FCREP O-3246	Cannot create binary resources with content types claimed by RDF sources		Mar 10, 2020	Apr 02, 2020		Jared Whiklo	Peter Winckles		IN REVIEW	Ready for Test

3 issues

3. Tickets created this week:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3269	NonRdfSource descriptions are missing triples		Apr 02, 2020	Apr 02, 2020		Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3268	Rebuild does not succeed for Binary resources		Apr 02, 2020	Apr 02, 2020		Jared Whiklo	Andrew Woods		IN PROGRESS	Unresolved
FCREP O-3267	Update SMT documentation for fcrepo6		Apr 02, 2020	Apr 02, 2020		Ben Pennell	Ben Pennell		OPEN	Unresolved
FCREP O-3266	Implement Transaction Expiration		Apr 01, 2020	Apr 01, 2020		Unassigned	Danny Bernstein		OPEN	Unresolved
FCREP O-3265	Implement cancel transaction on transaction endpoint		Apr 01, 2020	Apr 01, 2020		Unassigned	Danny Bernstein		OPEN	Unresolved
FCREP O-3264	Implement Start and Commit of multi-request spanning transactions		Apr 01, 2020	Apr 01, 2020		Unassigned	Danny Bernstein		OPEN	Unresolved
FCREP O-3263	NonRdfSource descriptions are missing headers		Apr 01, 2020	Apr 02, 2020		Jared Whiklo	Jared Whiklo		CLOSED	Fixed

[7 issues](#)

Minutes

1. Upcoming Sprints

- Still looking for contributors, please go ahead and add name to sprint.
- Sprints 1 and 2 are ambitious. It may be too ambitious to put out version 5.0 after sprint 1; more likely to have it after sprint 2.
- Need to bring other tools, such as camel-toolbox and java-client, into alignment.
- The Import-Export combinations to be supported in 5.0 needs to be defined.
- UMD to take lead on camel-toolbox work. Peter and Mohamed to support. Josh to support testing TCK.
- Test suite only tests CRUD portion of API, and still needs to be completed. Need tests for WebAC, others. Simeon using Test suite as a tool to test Python implementation.

2. Getting to 5.0 Release Candidate

- Timing
 - Possible to have a release candidate ahead of Sprint 1? May be difficult. Danny graciously put together this agenda, based on some notion of realism.
 - Sprint starts in September.
 - For community support, it helps to define in advance the work and timeframe involved.
- Release Priorities
 - Level 1: Get 5.0 out, get TCK out
 - Level 2: I/O export, toolbox, Java client
- Tickets
 - FCREPO-2742: FCR ACL - Peter working. Getting a HTTP 405 response. In progress. Andrew to look into hash resources, children as properties question.
 - External content - have a mini sprint to address?
 - FCREPO-2776 - Josh may investigate before sprint starts.

3. Fedora API Specification update

- [Second Candidate Recommendation ready for publication!](#) Will be posted to fedora.info.
- Not yet releasing as 1.0 spec until implementation and TCK is in place. Will send one email regarding spec and another regarding implementation.
- Other features may be added to a future version of spec, such as 1.1 or 2.0. The spec is intended to evolve to reflect the needs of the Fedora community. Until then, these new features will be defined in sidecar specs.
- Sidecar specifications known so far:
 - One-step fixity check - [github issue](#) (create github repo in fcrepo4-labs)
 - [Atomic operations](#) (move to fcrepo4-labs)

4. Fixity design, spec and implementation
 - a. Interest expressed in a one-step process, that does not require the client to have any responsibility to compute fixity. What would this look like?
 - b. Peter: we could hold an implementation in fcrepo-labs until there is broader community adoption, then move it to fcrepo GitHub. This could be similar to how PDPs get rolled into Python releases.
 - c. Currently there are three discussions regarding fixity:
 - i. Want-digest header-based
 - ii. LDP container focused, post to container, resources persisted there.
 - iii. implementation of current Modeshape functionality (even in a post-Modeshape world), alignment with a RESTful Fedora API.
 - d. Doron: Some fixity functionality could be better thought of as server configured functionality and not necessarily part of a client API. For example, configuration to specify frequency of routine fixity checks for all items, to be performed regardless of client invocation. A more turnkey solution would be nice.
 - e. UMD and NLM to collaborate on design ideas.
 - f. Andrew: This could also be a pluggable module delivered with core, or maybe an internal core module.
5. Moving python client code into fcrepo4-labs
 - a. At OR, interest was expressed to move this code into fedora-labs. What is this process?
 - b. Process: Do not fork or create a new repo, just transfer ownership to labs.

Actions

- Danny to explore inserting a macro into documentation for Fedora version.
- Send email to community seeing who is interested in reviving OAI