

2019-03-14 - 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

1. [Andrew Woods](#)
2. [Danny Bernstein](#)
3. [Ben Pennell](#)
4. [Jared Whiklo](#)
5. [Aaron Birkland](#)
6. [Bethany Seeger](#)
7. [Peter Eichman](#) ★
8. [David Wilcox](#)

Agenda

1. Announcements
 - a. Fedora Leaders update
 - b. [LDP - OCFL Not-A-White paper](#)
2. Sprint Planning Update
3. Happy camel toolbox news
4. Import Export "mini-sprint"
5. For consideration: two-layer architectural approach - refactoring the persistence layer
6. <your discussion point here>
7. In Review

T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	FCREP O-3205	Import serialized Bags	Michael Ritter	Michael Ritter		IN REVIEW	Ready for Test	Feb 03, 2020	Feb 18, 2020	
	FCREP O-3195	Rebuild on start	Peter Winckles	Danny Bernstein		IN REVIEW	Ready for Test	Jan 30, 2020	Feb 18, 2020	
	FCREP O-3187	migration-utils 4.4.1 does not complete specified limit during testing	Unassigned	Calvin Xu		IN REVIEW	Ready for Test	Jan 27, 2020	Feb 13, 2020	
	FCREP O-3184	Import export utility validate BagIt Profile on import	Michael Ritter	Michael Ritter		IN REVIEW	Ready for Test	Jan 24, 2020	Feb 17, 2020	
	FCREP O-3161	REST API should translate internal fedora Identifiers to external http resources by default	Jared Whiklo	Danny Bernstein		IN REVIEW	Ready for Test	Jan 06, 2020	Feb 21, 2020	
	FCREP O-3066	Design simple search functionality	Danny Bernstein	Danny Bernstein		IN REVIEW	Fixed	Sep 23, 2019	Nov 22, 2019	

	FCREP O-3035	Add RDFSource updates to OCFL impl	Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test	Aug 01, 2019	Feb 13, 2020
	FCREP O-3026	Fix javadoc warnings in fcrepo-auth-webac	Jon Roby	Danny Bernstein		IN REVIEW	Ready for Test	Jul 29, 2019	Feb 03, 2020
	FCREP O-3020	Fix Direct and Indirect Container Import	Danny Bernstein	Danny Bernstein		IN REVIEW	Fixed	Jul 08, 2019	Jul 12, 2019
	FCREP O-3017	Align External Content Handling in import export tool for 5.x roundtripping.	Danny Bernstein	Danny Bernstein		IN REVIEW	Fixed	Jun 27, 2019	Jul 12, 2019
	FCREP O-3013	Content-Disposition header not mentioned in PUT docs	Jared Whiklo	Daniel Lamb		IN REVIEW	Ready for Test	Jun 10, 2019	Jun 10, 2019
	FCREP O-2740	Float value not updated when current value rounds to the new one	Yinlin Chen	Kevin Ford		IN REVIEW	Fixed	Mar 27, 2018	May 30, 2018

12 issues

8. Please squash a bug!

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
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	Feb 13, 2020		Andrew Woods	Scott Prater		OPEN	Unresolved
FCREP O-3140	Implement disambiguation pattern for OCFL file naming collisions		Nov 21, 2019	Nov 22, 2019		Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3139	Design a disambiguation pattern for the OCFL filenames		Nov 21, 2019	Feb 21, 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
FCREP O-2988	Creating versions of containers containing tombstones issue		Feb 08, 2019	Feb 13, 2019	Unassigned	Ben Pennell		RECEIVED	Unresolved
FCREP O-2841	Vulnerability on the commons-httpclient-3.1 dependency of fcrepo-integration-rdf		Aug 06, 2018	Aug 06, 2018	Unassigned	Peter Eichman		RECEIVED	Unresolved
FCREP O-2800	Issues running Fedora multi-threaded		May 14, 2018	May 14, 2018	Unassigned	Harsha Ummerpillai		RECEIVED	Unresolved
FCREP O-2790	Using a hash URI as a ldp:membershipResource doesn't work		May 04, 2018	May 04, 2018	Unassigned	Esmé Cowles		OPEN	Unresolved
FCREP O-2780	GET inbound refs incomplete response		Apr 26, 2018	Apr 30, 2018	Unassigned	Kevin Ford		OPEN	Unresolved

FCREP O-2746	Failed to reset the input stream when not accessing s3 directly or s3 compatible gateway		Apr 06, 2018	Apr 06, 2018	Unassigned	Thomas Schneider		OPEN	Unresolved
FCREP O-2739	Server returns an error after inserting a particular triple syntax		Mar 17, 2018	Mar 19, 2018	Unassigned	Stefano Cossu		OPEN	Unresolved

Showing 20 out of 59 issues

9. Tickets resolved this week:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3236	Add Windows build to Travis		Feb 20, 2020	Feb 20, 2020		Aaron Birkland	Aaron Birkland		CLOSED	Fixed
FCREP O-3235	Remove prerequisite block from fcrepo-parent		Feb 20, 2020	Feb 20, 2020		Jared Whiklo	Jared Whiklo		CLOSED	Fixed
FCREP O-3217	IT: Enable working tests		Feb 13, 2020	Feb 18, 2020		Andrew Woods	Andrew Woods		CLOSED	Fixed
FCREP O-3208	Import use available BagIt manifests		Feb 03, 2020	Feb 17, 2020		Michael Ritter	Michael Ritter		CLOSED	Fixed
FCREP O-3205	Import serialized Bags		Feb 03, 2020	Feb 18, 2020		Michael Ritter	Michael Ritter		IN REVIEW	Ready for Test
FCREP O-3204	Verify bag profiles conform to bagit profiles spec		Feb 03, 2020	Feb 17, 2020		Michael Ritter	Michael Ritter		CLOSED	Fixed
FCREP O-3195	Rebuild on start		Jan 30, 2020	Feb 18, 2020		Peter Winckles	Danny Bernstein		IN REVIEW	Ready for Test
FCREP O-3184	Import export utility validate BagIt Profile on import		Jan 24, 2020	Feb 17, 2020		Michael Ritter	Michael Ritter		IN REVIEW	Ready for Test
FCREP O-3161	REST API should translate internal fedora Identifiers to external http resources by default		Jan 06, 2020	Feb 21, 2020		Jared Whiklo	Danny Bernstein		IN REVIEW	Ready for Test
FCREP O-3106	Implement ContainmentIn dex		Nov 05, 2019	Feb 20, 2020		Peter Eichman	Danny Bernstein		CLOSED	Fixed

10 issues

10. Tickets created this week:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3239	Support creation of external binaries		Feb 20, 2020	Feb 20, 2020		Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3238	Address naming collisions for fcrepo files		Feb 20, 2020	Feb 21, 2020		Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3237	List resource versions		Feb 20, 2020	Feb 20, 2020		Peter Winckles	Peter Winckles		OPEN	Unresolved
FCREP O-3236	Add Windows build to Travis		Feb 20, 2020	Feb 20, 2020		Aaron Birkland	Aaron Birkland		CLOSED	Fixed
FCREP O-3235	Remove prerequisite block from fcrepo-parent		Feb 20, 2020	Feb 20, 2020		Jared Whiklo	Jared Whiklo		CLOSED	Fixed
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-3233	Extract bagit support code		Feb 18, 2020	Feb 18, 2020		Michael Ritter	Michael Ritter		RECEIVED	Unresolved

7 issues


Minutes

1. Fedora Leaders Update:
 - a. Document's purpose is to provide a clear description of how LDP and RDF fit into Fedora 5 and 6 respectively.
 - b. Not a debate, but an attempt to describe so that we can all be on the same page when we talk about the future of Fedora.
2. fcrepo-camel-toolbox build is failing on travis only due to excessive logic output due to a Shiro bug and one test is failing due to camel dependency update.
3. LDP and RDF in Fedora document
 - a. comes from Fedora leaders call
 - b. questions the degree of influence that RDF has on Fedora architecture
 - c. purpose of document is not to debate issues
 - d. purpose IS to describe where RDF concepts fit in the Fedora architecture
 - e. looking to come to a consensus about what is true
 - f. use for guidance for Fedora 6 implementation
 - g. hoping to clear up some basic misconceptions about impact of things like LDP
4. putting a halt on sprint planning until we get clarity and unity on Fedora 6 direction from leaders
5. camel toolbox
 - a. many dependencies, were confusing
 - b. message count expected was 2, now there are 3x messages due to versioning
 - c. upgrading to Camel 2.20 would get rid of security alerts
 - d. still failing on some seemingly basic tests
 - i. 2.18.2 would resolve all but 1 moderate severity
 - e. Travis is failing because of too many warnings from Jetty about Shiro
 - f. upgrading Vagrant shouldn't be too hard
 - g. 4.8.0 camel toolbox released
6. import-export "mini-sprint"
 - a. Danny has started working on export of versions for Fedora 5
 - b. looking for folks to join this work
 - c. objective get import/export working for Fedora 5
 - d. looking for volunteers for the next week, mostly to work on PRs
 - i. Bethany will be available for some PR review
7. two-layer architectural approach
 - a. good to see community to stating their needs
 - b. there is an opportunity to try to satisfy the various camps
 - i. current API, web standards-based, HTTP/LDP interaction
 - ii. folks that don't care about the HTTP layer, but DO care about repository and storage layer, transparent persistence, simple CRUD interaction

1. API for this layer TBD
- c. architecturally we are already positioned for a two-layer approach
 - d. what should an API at the bottom layer (persistence layer) look like?
 - i. no LDP
 - ii. should a low-level API be HTTP?
 - iii. or native or CLI APIs?
 - e. question of how much of the LDP relationships would get pushed into the persistence layer
 - f. bottom layer as a stateful service
 - g. support multiple simultaneous clients and be performant
 - i. horizontally scalable persistence layer
 - ii. state-token-based locking
 - h. is LDP the problem?
 - i. if we can get a performant non-Modeshape version using LDP, we could improve the perception of LDP
 - i. in Fedora 4, there was a perception that you MUST use RDF
 - j. go back to a model that actively supports storing XML
 - i. messaging, but also need more XML-based tooling to get people to accept storing XML into Fedora 6
 - ii. really looking at a model of Fedora 3 to Fedora 6
 - iii. the LDP aspect can more-or-less be ignored
 - k. use a minimalist two-level hierarchy where the top level is an object, next level is datastream
 - l. OCFL community meeting
 - i. discussion about an HTTP API for OCFL
 - ii. if it is possible, can LDP can be overlaid over OCFL?
 - iii. OCFL subset-of LDP subset-of Fedora API
 - iv. try to make this pattern (basic CRUD interactions with a repository) known and accepted
 - v. Fedora 3 mode that complies with Fedora 1.0 API but that can ignore the LDP stuff
 - vi. what would the ideal API for folks not interested in LDP
 1. folks want JSON
 2. better messaging around JSON-LD
 3. JSON merge patch for updates


[Peter Eichman](#) is planning to work on documenting UMD's fixity check system on the [Fedora in Production: Case Studies](#) wiki page.

[Peter Eichman](#) : will complete review of

 [FCREPO-4889](#) - Direct/Indirect Containers allow writing arbitrary triples to any resource, despite access controls CLOSED when [Jared](#)

[Whiklo](#) is finished with the above.

[Peter Eichman](#) : to review

 [FCREPO-4889](#) - Direct/Indirect Containers allow writing arbitrary triples to any resource, despite access controls CLOSED