

2019-09-19 - 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://lyrasis.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

Part 1:

1. [Danny Bernstein](#)
2. [Andrew Woods](#)
3. [Peter Winckles](#)
4. [Jared Whiklo](#)
5. [Bethany Seeger](#)
6. [Youn Noh](#)
7. [Thomas Bernhart](#) ★
8. [Daniel Lamb](#)
9. [Aaron Birkland](#)
10. [Ben Pennel](#)
11. [Rosie Le Faive](#)

Part 2:

- Cancelled for today due to sprint activities

Agenda

1. Highlights from last week
2. Tomorrow's meeting
3. Sprint Update:
 - a. design discussions
 - i. [Transaction Aware Persistent Storage Layer](#) (diagram)
 - ii. [Flow Diagram Adding Binary to Existing AG](#)
 - iii. [Transaction Aware Persistence Layer with tx header](#)
 - iv. [Transaction Aware DB/FS Persistence Layer](#)
 - v. [Other use cases](#)
 - b. core development gateway tickets:
 - i. [FCREPO-3046](#) - Create Fedora Transaction Interfaces and classes CLOSED
 - ii. [FCREPO-3047](#) - Create PersistentStorage Interfaces CLOSED
 - c. Fedora 3.6 Migration work
 - d. documentation review
 - e. Java 11 issues?
4. Your topic

Tickets

1. 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			Ready for Test	Jan 27, 2020	Feb 13, 2020
	FCREP O-3184	Import export utility validate BagIt Profile on import	Michael Ritter	Michael Ritter			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			Ready for Test	Jan 06, 2020	Feb 21, 2020
	FCREP O-3066	Design simple search functionality	Danny Bernstein	Danny Bernstein			Fixed	Sep 23, 2019	Nov 22, 2019
	FCREP O-3035	Add RDFSource updates to OCFL impl	Andrew Woods	Andrew Woods			Ready for Test	Aug 01, 2019	Feb 13, 2020
	FCREP O-3026	Fix javadoc warnings in fcrepo-auth-webac	Jon Roby	Danny Bernstein			Ready for Test	Jul 29, 2019	Feb 03, 2020
	FCREP O-3020	Fix Direct and Indirect Container Import	Danny Bernstein	Danny Bernstein			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			Fixed	Jun 27, 2019	Jul 12, 2019
	FCREP O-3013	Content-Disposition header not mentioned in PUT docs	Jared Whiklo	Daniel Lamb			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			Fixed	Mar 27, 2018	May 30, 2018

12 issues

2. 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			Unresolved
FCREP O-3234	PaxExam update needed to support Maven's HTTPS requirement		Feb 20, 2020	Feb 20, 2020		Unassigned	Jared Whiklo			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 disambiguatio n pattern for OCFL file naming collisions		Nov 21, 2019	Nov 22, 2019	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3139	Design a disambiguatio n pattern for the OCFL filenaming		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 'PreferMinima IContainer' 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 representatio n 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:membership Resource 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

3. 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 ContainmentIndex		Nov 05, 2019	Feb 20, 2020	Peter Eichman	Danny Bernstein		CLOSED	Fixed

10 issues

4. 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

Notes

The participants decided to cancel the second tech meeting from today, as there is an ongoing sprint.

1. Highlights from last week:
2. Tomorrow's meeting between Fedora and OCFL team regarding possibly large inventory files in OCFL
 - a. regarding fedora implementation of OCFL persistency: no decision has been made so far regarding unversioned content/modifiable head
 - b. Idea from [Andrew Woods](#): instead of writing new OCFL version for every change, write all changes to head until explicit Fedora version is created

- i. would mean OCFL versions and Fedora versions are aligned again
 - ii. no head version, treat latest version as head (no extra directories)
 - iii. squashing would be possible
 - iv. [Peter Winckles](#) : with this approach it could get tricky to implement updates as atomic operation (create v1, copy to v2, write update to v2); but approach could work
 - v. Fedora Leaders and OCFL editors must be contacted to check if this approach is feasible
 - c. Do we need to support deleting of mementos if we implement a squashable HEAD?
 - 3. Sprint Update:
 - a. design discussions
 - i. Presentation of [Flow Diagram Adding Binary to Existing AG](#) by [Ben Pennell](#)
 - b. core development gateway tickets
 - i. FCREPO-3046: should be done later this day(?)
 - ii. Review of <https://github.com/fcrepo/fcrepo-specification-atomic-operations/pull/8>
 - 1. no need to limit transactions to single resources
 - 2. keep a lot of existing approach for transactions if possible

Actions

- [Aaron Birkland](#) to look explore notion of OCFL client with database as authoritative metadata source + asynchronous writing of the inventory.json file
- [Peter Eichman](#) and maybe [Ben Pennell](#) to make recommendations re transaction side car specification. - <https://github.com/fcrepo/fcrepo-specification-atomic-operations/pull/8>
- [Andrew Woods](#) will look into java 11 transition
- [David Wilcox](#) will review the NDSA matrix and pull out the concrete technical requirements that could be considered during the Fedora 6 development.
- [Jared Whiklo](#) will try to do some work on the PersistentStorage Interface. - <https://github.com/fcrepo4/fcrepo4/pull/1542>