

2019-12-05 - 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

1. [Danny Bernstein](#)
2. [Peter Winckles](#)
3. [Jared Whiklo](#)
4. [Bethany Seeger](#)
5. [Andrew Woods](#)
6. [Ben Pennell](#)
7. [Aaron Birkland](#)
8. [David Wilcox](#)
9. [Peter Eichman](#) ★
10. [Rosie Le Faive](#)
11. [Daniel Lamb](#)
12. [Ben Cail](#)

Agenda

1. Announcements
 - a. 2020 Q1 Sprint Doodle: <https://doodle.com/poll/es7nwdppt94rv2pz>
 - b. Fedora 6 Webinar Update
2. State of the development
 - a. code in progress
 - b. testing
3. Fedora 6 Demo
 - a. What
 - b. When
4. Open Questions
5. Fedora API Versioning
 - a. <https://docs.google.com/document/d/1eNtkWx1sANLuf07poayLFd-KovbPGJqMYKpQu6kXTVk/edit?usp=sharing>
 - b. any committers feedback before taking this to leaders?
6. <>

Tickets

1. In Review


T	Key	Summary	Assignee	Reporter	P	Status	Resolution	Created	Updated	Due
	FCREP O-3381	Refactored FedoraId	Peter Winckles	Peter Winckles		IN REVIEW	Ready for Test	Jul 10, 2020	Jul 10, 2020	
	FCREP O-3380	OCFL staging directory is not deleted after resource is created	Peter Winckles	David Wilcox		IN REVIEW	Ready for Test	Jul 10, 2020	Jul 10, 2020	
	FCREP O-3379	Detail Performance Test Plans	Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test	Jul 10, 2020	Jul 10, 2020	

	FCREP O-3357	Deleted ocfl IDs are not removed from the database	Jared Whiklo	Jared Whiklo		IN REVIEW	Ready for Test	Jun 22, 2020	Jul 09, 2020
	FCREP O-3343	Simple Search: Implement result ordering	Danny Bernstein	Danny Bernstein		IN REVIEW	Fixed	Jun 05, 2020	Jul 12, 2020
	FCREP O-3298	Document Search API	Danny Bernstein	Danny Bernstein		IN REVIEW	Fixed	May 06, 2020	Jun 23, 2020
	FCREP O-3233	Extract bagit support code	Michael Ritter	Michael Ritter		IN REVIEW	Fixed	Feb 18, 2020	May 06, 2020
	FCREP O-3035	Add RDFSource updates to OCFL impl	Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test	Aug 01, 2019	Mar 02, 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-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

11 issues

2. Please squash a bug!

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3377	migration utils needs to stage files with windows safe paths		Jul 09, 2020	Jul 09, 2020		Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3374	Catch PersistentStorageExceptions		Jul 09, 2020	Jul 09, 2020		Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3369	Trying to delete, purge and re-create an resource in a transaction causes error		Jul 08, 2020	Jul 09, 2020		Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3368	Stacktrace on webapp shutdown		Jul 08, 2020	Jul 09, 2020		Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3367	Stacktrace response on bad Link header		Jul 08, 2020	Jul 09, 2020		Unassigned	Andrew Woods		OPEN	Unresolved

FCREP O-3360	Square brackets in pairtree id cause WebAC exception		Jun 29, 2020	Jun 29, 2020	Unassigned	Ben Pennell		RECEIVED	Unresolved
FCREP O-3359	Concurrent creation of objects fails in transactions		Jun 26, 2020	Jun 30, 2020	Unassigned	Ben Pennell		OPEN	Unresolved
FCREP O-3355	Fedora fails to start when the root object is index but does not exist		Jun 18, 2020	Jun 18, 2020	Unassigned	Peter Winckles		RECEIVED	Unresolved
FCREP O-3313	Out of memory error when uploading large files to AWS S3		May 11, 2020	May 13, 2020	Unassigned	David Cook		OPEN	Unresolved
FCREP O-3311	PATCH requests are not parsed with the HttpRdfService so internal identifiers are not stored.		May 08, 2020	Jul 09, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3290	Repository root only exists in mutable head		Apr 28, 2020	Apr 28, 2020	Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3287	Deal with extensions on OCFL subpaths		Apr 27, 2020	Jul 07, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3286	Exception on malformed Link header		Apr 25, 2020	Apr 25, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3284	POSTing to a Tombstone results in a new resource being created		Apr 24, 2020	Apr 25, 2020	Unassigned	Danny Bernstein		OPEN	Unresolved
FCREP O-3280	Millisecond portion of fedora: created loses zeros		Apr 22, 2020	Apr 25, 2020	Unassigned	Ben Pennell		OPEN	Unresolved
FCREP O-3275	Java client referencing 5.0.0-SNAPSHOT on maven that doesn't exist		Apr 10, 2020	Apr 10, 2020	Unassigned	Bethany Seeger		OPEN	Unresolved
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	May 21, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3256	Ghost nodes should be immutable		Mar 20, 2020	Jun 23, 2020	Unassigned	Andrew Woods		OPEN	Unresolved

Showing 20 out of 80 issues

3. Tickets resolved this week:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3381	Refactored Fedorald		Jul 10, 2020	Jul 10, 2020		Peter Winckles	Peter Winckles		IN REVIEW	Ready for Test
FCREP O-3380	OCFL staging directory is not deleted after resource is created		Jul 10, 2020	Jul 10, 2020		Peter Winckles	David Wilcox		IN REVIEW	Ready for Test
FCREP O-3379	Detail Performance Test Plans		Jul 10, 2020	Jul 10, 2020		Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test
FCREP O-3371	Upgrade ocfl-java		Jul 08, 2020	Jul 09, 2020		Peter Winckles	Peter Winckles		CLOSED	Fixed
FCREP O-3365	Simple Search: implement mimetype parameter		Jul 06, 2020	Jul 09, 2020		Danny Bernstein	Danny Bernstein		CLOSED	Fixed
FCREP O-3364	Document Fedora Header Files		Jul 06, 2020	Jul 08, 2020		Andrew Woods	Andrew Woods		CLOSED	Fixed
FCREP O-3363	Document Fedora OCFL Object Structure		Jul 06, 2020	Jul 07, 2020		Andrew Woods	Andrew Woods		CLOSED	Fixed
FCREP O-3362	Postgresql sql grammar problem with containment index		Jul 02, 2020	Jul 07, 2020		Peter Winckles	Danny Bernstein		CLOSED	Fixed
FCREP O-3350	Fix rollback logic		Jun 11, 2020	Jul 09, 2020		Peter Winckles	Peter Winckles		CLOSED	Fixed
FCREP O-3346	Simple Search: implement size parameter		Jun 05, 2020	Jul 09, 2020		Danny Bernstein	Danny Bernstein		CLOSED	Fixed
FCREP O-3343	Simple Search: Implement result ordering		Jun 05, 2020	Jul 12, 2020		Danny Bernstein	Danny Bernstein		IN REVIEW	Fixed

FCREP O-3340	Creating and deleting a resource in the same transaction causes server error		Jun 04, 2020	Jul 07, 2020	Jared Whiklo	Jared Whiklo		CLOSED	Fixed
FCREP O-3328	Fix test suite failure: Must return 409 on unable to create ACL		May 27, 2020	Jul 07, 2020	Jared Whiklo	Danny Bernstein		CLOSED	Fixed
FCREP O-3317	Incorrect OCFL object ID resolution		May 21, 2020	Jul 09, 2020	Peter Winckles	Peter Winckles		CLOSED	Fixed

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4. Tickets created this week:

Key	Summary	T	Created	Updated	Due	Assignee	Reporter	P	Status	Resolution
FCREP O-3381	Refactored Fedorald		Jul 10, 2020	Jul 10, 2020		Peter Winckles	Peter Winckles		IN REVIEW	Ready for Test
FCREP O-3380	OCFL staging directory is not deleted after resource is created		Jul 10, 2020	Jul 10, 2020		Peter Winckles	David Wilcox		IN REVIEW	Ready for Test
FCREP O-3379	Detail Performance Test Plans		Jul 10, 2020	Jul 10, 2020		Andrew Woods	Andrew Woods		IN REVIEW	Ready for Test
FCREP O-3378	implement RDF type parameter in simple search		Jul 09, 2020	Jul 09, 2020		Danny Bernstein	Danny Bernstein		IN PROGRESS	Unresolved
FCREP O-3377	migration utils needs to stage files with windows safe paths		Jul 09, 2020	Jul 09, 2020		Unassigned	Peter Winckles		OPEN	Unresolved
FCREP O-3376	Update migration utils to new F6 persistence format		Jul 09, 2020	Jul 09, 2020		Unassigned	Peter Winckles		RECEIVED	Unresolved
FCREP O-3375	Update F6 persistence format		Jul 09, 2020	Jul 09, 2020		Unassigned	Peter Winckles		RECEIVED	Unresolved
FCREP O-3374	Catch PersistentStorageExceptions		Jul 09, 2020	Jul 09, 2020		Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3373	Add support for descendants and depth parameters in simple search		Jul 08, 2020	Jul 12, 2020		Danny Bernstein	Danny Bernstein		OPEN	Unresolved

FCREP O-3372	Simple Search: implement ocfl_id parameter		Jul 08, 2020	Jul 09, 2020	Danny Bernstein	Danny Bernstein		IN PROGRESS	Unresolved
FCREP O-3371	Upgrade ocfl-java		Jul 08, 2020	Jul 09, 2020	Peter Winckles	Peter Winckles		CLOSED	Fixed
FCREP O-3370	Simple Search: Allow users to use K (kilobytes), M (megabytes), G (gigabytes) modifier for content size queries		Jul 08, 2020	Jul 08, 2020	Unassigned	Danny Bernstein		OPEN	Unresolved
FCREP O-3369	Trying to delete, purge and re-create an resource in a transaction causes error		Jul 08, 2020	Jul 09, 2020	Unassigned	Jared Whiklo		OPEN	Unresolved
FCREP O-3368	Stacktrace on websp shutdown		Jul 08, 2020	Jul 09, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3367	Stacktrace response on bad Link header		Jul 08, 2020	Jul 09, 2020	Unassigned	Andrew Woods		OPEN	Unresolved
FCREP O-3366	Allow user to specify desired digest algorithm during export		Jul 07, 2020	Jul 07, 2020	Unassigned	Michael Ritter		OPEN	Unresolved
FCREP O-3365	Simple Search: implement mimetype parameter		Jul 06, 2020	Jul 09, 2020	Danny Bernstein	Danny Bernstein		CLOSED	Fixed
FCREP O-3364	Document Fedora Header Files		Jul 06, 2020	Jul 08, 2020	Andrew Woods	Andrew Woods		CLOSED	Fixed
FCREP O-3363	Document Fedora OCFL Object Structure		Jul 06, 2020	Jul 07, 2020	Andrew Woods	Andrew Woods		CLOSED	Fixed

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Notes

1. announcements
 - a. OCFL client
 - i. no updates regarding S3 support
 - b. doodle poll for next sprint is open
 - i. looking for clarity on who is available early Q1
 - c. steering meeting report: mostly prep for f2f leaders meeting
 - d. David Wilcox did a well-attended Fedora 6 webinar last week
 - i. there is a lot of interest in Fedora 6
 - ii. recording will be forthcoming
 - iii. posted video demo form last Fedora 6 sprint
 - iv. keeping the community informed and in the loop

- v. some community testers for migration utils have come forward
- 2. state of the development
 - a. check-in on status and who is available to push to demo capability
 - i. Ben Pennell has been the primary person in the codebase recently
 - ii. file layout should be persisted (headers and content)
 - iii. working on full front-to-back persistence path
 - iv. at least binary headers are getting written
 - v. updating binaries is not complete
 - 1. Mohamed's PR: <https://github.com/fcrepo4/fcrepo4/pull/1592>
 - 2. the rebase of Mohamed's PR will likely take a lot of work
 - vi. descriptions may not be getting persisted yet
 - vii. demo will comprise creating and retrieving a container
 - 1. plus creating archival group and nested resources
 - viii. as other features are completed they can be rolled out in future demos
 - ix. release short videos demoing new features as they come online
 - x. binaries are not part of the first demo
 - b. identify unit tests that we want to re-enable and use those as a basis for demo
 - i. LDP tests should still work because nothing of the API expectations have changed
 - ii. should get the containment index implemented soon
 - 1. maybe not for first demo
 - 2. will help for performance speed
 - iii. Jared will build Fedora 6 and run the Fedora 4 tests against it
 - iv. will do some hands-on work with tests in 1pm ET meeting slot today
- 3. demos
 - a. demo approach for migration utils worked well
 - b. next Wednesday (Dec 11) for recording the next demo
 - c. volunteers for scripting the demo?
 - d. need to determine the functionality to demo
 - i. basic steps: create container, AG link header, creating a nested resource in AG
 - ii. show what resources look like on disk
 - e. Java 11 issue with Jetty; Andrew working on that today
 - f. Danny B will look at what integration tests break
 - g. volunteers to participate in demo?
 - i. Bethany will commit to working on demo with Danny B
 - ii. Ben Pennell may be available as well
- 4. spec api versioning
 - a. want to get committer feedback before tech subgroup meeting in a couple of weeks
 - i. <https://docs.google.com/document/d/1eNtkWx1sANLuf07poayLFd-KovbPGJqMYKpQu6kXTVk/edit?usp=sharing>
 - b. assumes that committers are in charge of the spec
 - c. should present policy to spec editors
 - i. we should nominate a new group of spec editors
 - ii. future spec work could be done on an ad hoc basis
 - d. support for multiple versions of API in a single Fedora release?
 - i. will community version track the latest version of the API?
 - ii. may be better to do different versions of Fedora for different versions of the API
 - iii. get comments before tech subgroup
 - 1. if there are no concerns, leaders would vote on the policy
 - 2. if a desire for a new editor group, will determine process at that point
 - iv. given the lack of multiple implementations, some reluctance to a 1.0 release
 - 1. original spec editors view their work as done
- 5. open questions: <https://wiki.lyrasis.org/display/FF/Decisions+and+Open+Questions>
 - a. are pair-trees as a web resource still a thing in Fedora 6?
 - i. probably not a need for it; it was a performance hack
 - ii. with Fedora 6 that need should go away
 - iii. Aaron raises question about Fedora 4 to 6 migration of pair-trees
 - 1. three options: collapse the pair-tree, retain pair-tree as containers, or retain Fedora 4 behavior
 - 2. is there deployed Samvera behavior that depends on pair-tree nodes?
 - iv. to be continued next week

Actions

- Clarify in in documentation that multiple simultaneous writes to OCFL are not supported