

2015-04-16 - 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)
- U.S.A/Canada toll free: 866-740-1260, participant code: 2257295
- International toll free: <http://www.readytalk.com/intl>
 - Use the above link and input 2257295 and the country you are calling from to get your country's toll-free dial-in number
 - Once on the call, enter participant code 2257295
- IRC:
 - [Join the #duraspace-ff chat room via Freenode Web IRC](#) (enter a unique nick)
 - Or point your IRC client to #duraspace-ff on irc.freenode.net

Attendees

- [Unknown User \(escowles@ucsd.edu\)](#)
- [Nick Ruest](#)
- [Andrew Woods](#)
- [Michael Durbin](#)
- [Yinlin Chen](#)
- [A. Soroka](#)
- [Unknown User \(acoburn\)](#) ★
- [Jared Whiklo](#)
- [David Wilcox](#)
- [Stefano Cossu](#)
- [Mohamed Mohideen Abdul Rasheed](#)
- [Doron Shalvi](#)

Agenda

1. Islandora
 - a. [migration-utils work](#)
 - b. [auditTrail/log migration](#)
2. Audit sprint progress
 - a. Phase 1 (event-based audit system using Camel) ready for test: [Verification - Event-Driven Audit Events](#)
3. Codebase test policies
 - a. What are the purposes for our unit testing? (Hint: they don't include high coverage numbers for their own sake.)
 - b. What are the purposes for our integration testing?
 - c. How do we know when tests are needed, and when they are, which kind(s)?
4. [PCDM ontology](#) committers and scope
5. 3.8.1-RC3
6. F4 export/import and content-negotiation

Minutes

1. Islandora
 - a. [Daniel-dgi](#) finished work on [Application Link configuration](#). [Unknown User \(escowles@ucsd.edu\)](#) Unable to locate Jira server for this macro. It may be due to identifying F4 predicates.
 - b. [Unknown User \(escowles@ucsd.edu\)](#) mapping from F3 to F4 could be a good fit for external events. [Nick Ruest](#) asks for feedback on the [islandora documentation](#) in case anything was missed. [Unknown User \(escowles@ucsd.edu\)](#): should use existing vocabularies or add to existing audit vocabulary. [Andrew Woods](#): supporting the F3 audit stream should be a requirement for the F4 audit service.
2. Audit sprint progress
 - a. Phase 1: ready for testing. The [vagrant project](#) has been updated with the [camel-based](#) audit system, which pushes audit events into an external triplestore. External events can be added directly to the triplestore. [Andrew Woods](#) will send out a message to the community soliciting feedback, requesting testing of the vagrant-based system, and providing a summary of the sprint. (This will be sent to fedora-tech and fedora-community, but not hydra/islandora)
 - b. Phase 2: in which F4 creates internal nodes for audit events, but not as part of the default F4 distribution. This currently exists as an [extension module](#) in [fcrepo4-labs](#), and will become part of [fcrepo-webapp-plus](#) (not bundled with authentication)
 - i. [Andrew Woods](#): we need a way to make it easy to configure fcrepo-webapp-plus
 - ii. Noted that [Unknown User \(acoburn\)](#) assembled the OSGi-based camel route as a web-deployable war file. Reportedly, it was easy to do.
 - iii. [A. Soroka](#): this type of module configuration is solved with OSGi, but doing this for F4 would involve a significant investment in developer resources. At the very least, it would require more than one person.

3. Testing policies

- a. [fcrepo-client](#) currently has minimal integration tests and flawed unit tests that no longer reflect how F4 responds to requests.
 - i. [Michael Durbin](#): integration tests would be a much better measure for this.
 - ii. [A. Soroka](#): how much is enough? What is a policy?
 - iii. [Michael Durbin](#): code coverage is used as a proxy for testing quality.
 - iv. [Andrew Woods](#): 75% is the current target; projects without an explicit policy suffer from insufficient test coverage
 - v. [A. Soroka](#) noted that a standard does not imply a certain line coverage number; furthermore, it would be better to test behavior and expectations, making clear what those expectations are. This is not unrelated to documentation. It is important to distinguish between coverage of getter/setter methods and more substantive methods.
 - vi. [Unknown User \(acoburn\)](#): consider looking at the branch coverage numbers reported in sonar
 - vii. [A. Soroka](#): also cyclic complexity or other, more appropriate, metrics.
 - viii. TODO: [Andrew Woods](#) to find 2 or 3 classes with particularly bad test coverage; as coverage improves for those, what other metrics change, and might those be better measures of code quality?
- b. Where are unit tests vs. integration tests useful
 - i. [Andrew Woods](#): unit tests can expose an overly coupled design
 - ii. [Unknown User \(acoburn\)](#): unit tests can be helpful when refactoring
 - iii. [Michael Durbin](#): it is also pointless to write tests that will be discarded later, especially if many of those tests are effectively meaningless (e.g. testing getters/setters) or impede community contributions to the code
 - iv. [A. Soroka](#): integration tests in this context may be better for exposing errors
 - v. [Andrew Woods](#): we need to improve coverage in a meaningful way. This isn't a policy, but we need a conversation on what are the behaviors of a class and what should the contracts be?

4. PCDM

- a. [pull request](#) for a set of terms of file types. Opportunity for community to use the same terms.
 - i. PR for PCDM but we have no committers
 - ii. What is the scope of the PCDM? [Unknown User \(escowles@ucsd.edu\)](#): supportive of a broader scope for this
- b. [Andrew Woods](#) will ask community for nomination of initial committers, will send to various email lists
 - i. [Stefano Cossu](#) noted that replies to messages sent to multiple lists can sometimes remain on one of those lists, without being broadcast back to everyone

5. Fedora 3.8.1

- a. Release candidate 3 is ready, built against JAVA8, [Andrew Woods](#) will send out a message to the community

6. F4 Import/Export

- a. This will be discussed next week. It may be possible to handle with content negotiation.