

# 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](https://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

| type                                                                                          | key | summary | assignee | reporter | priority | status | resolution | created | updated | due |
|-----------------------------------------------------------------------------------------------|-----|---------|----------|----------|----------|--------|------------|---------|---------|-----|
| Unable to locate Jira server for this macro. It may be due to Application Link configuration. |     |         |          |          |          |        |            |         |         |     |

8. Please squash a bug!

| key                                                                                           | summary | type | created | updated | due | assignee | reporter | priority | status | resolution |
|-----------------------------------------------------------------------------------------------|---------|------|---------|---------|-----|----------|----------|----------|--------|------------|
| Unable to locate Jira server for this macro. It may be due to Application Link configuration. |         |      |         |         |     |          |          |          |        |            |

9. Tickets resolved this week:

| key | summary | type | created | updated | due | assignee | reporter | priority | status | resolution |
|-----|---------|------|---------|---------|-----|----------|----------|----------|--------|------------|
|-----|---------|------|---------|---------|-----|----------|----------|----------|--------|------------|

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10. Tickets created this week:

| key | summary | type | created | updated | due | assignee | reporter | priority | status | resolution |
|-----|---------|------|---------|---------|-----|----------|----------|----------|--------|------------|
|-----|---------|------|---------|---------|-----|----------|----------|----------|--------|------------|

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## Minutes

- Fedora Leaders Update:
  - Document's purpose is to provide a clear description of how LDP and RDF fit into Fedora 5 and 6 respectively.
  - 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.
- 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.
- LDP and RDF in Fedora document
  - comes from Fedora leaders call
  - questions the degree of influence that RDF has on Fedora architecture
  - purpose of document is not to debate issues
  - purpose IS to describe where RDF concepts fit in the Fedora architecture
  - looking to come to a consensus about what is true
  - use for guidance for Fedora 6 implementation
  - hoping to clear up some basic misconceptions about impact of things like LDP
- putting a halt on sprint planning until we get clarity and unity on Fedora 6 direction from leaders
- camel toolbox
  - many dependencies, were confusing
  - message count expected was 2, now there are 3x messages due to versioning
  - upgrading to Camel 2.20 would get rid of security alerts
  - still failing on some seemingly basic tests
    - 2.18.2 would resolve all but 1 moderate severity
  - Travis is failing because of too many warnings from Jetty about Shiro
  - upgrading Vagrant shouldn't be too hard
  - 4.8.0 camel toolbox released
- import-export "mini-sprint"
  - Danny has started working on export of versions for Fedora 5
  - looking for folks to join this work
  - objective get import/export working for Fedora 5
  - looking for volunteers for the next week, mostly to work on PRs
    - Bethany will be available for some PR review
- two-layer architectural approach
  - good to see community to stating their needs
  - there is an opportunity to try to satisfy the various camps
    - current API, web standards-based, HTTP/LDP interaction
    - folks that don't care about the HTTP layer, but DO care about repository and storage layer, transparent persistence, simple CRUD interaction
      - API for this layer TBD
  - architecturally we are already positioned for a two-layer approach
  - what should an API at the bottom layer (persistence layer) look like?
    - no LDP
    - should a low-level API be HTTP?
    - or native or CLI APIs?
  - question of how much of the LDP relationships would get pushed into the persistence layer
  - bottom layer as a stateful service
  - support multiple simultaneous clients and be performant
    - horizontally scalable persistence layer
    - state-token-based locking
  - is LDP the problem?
    - if we can get a performant non-Modeshape version using LDP, we could improve the perception of LDP
  - in Fedora 4, there was a perception that you MUST use RDF
  - go back to a model that actively supports storing XML
    - messaging, but also need more XML-based tooling to get people to accept storing XML into Fedora 6
    - really looking at a model of Fedora 3 to Fedora 6
    - the LDP aspect can more-or-less be ignored
  - use a minimalist two-level hierarchy where the top level is an object, next level is datastream
  - 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 doing a complete review of the application link configuration. when Jira is ready to review
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