

# 2016-08-25 - 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)
- Dial-in Number: (712) 775-7035
  - Participant Code: 479307#
  - International numbers: [Conference Call Information](#)
  - Web Access: <https://www.freeconferencecallhd.com/wp-content/themes/responsive/flashphone/flash-phone.php>
- IRC:
  - [Join the #fcrepo chat room via Freenode Web IRC](#) (enter a unique nick)
  - Or point your IRC client to #fcrepo on [irc.freenode.net](http://irc.freenode.net)

## Attendees

- [Longshou Situ](#)
- [Unknown User \(acoburn\)](#)
- [Esmé Cowles](#)
- [Yinlin Chen](#)
- [Nick Ruest](#)
- [Bethany Seeger](#)
- [Aaron Birkland](#)
- [Jared Whiklo](#)
- [Jack Hill](#) ★
- [Andy Wagner](#)
- [Jim Coble](#)
- [Andrew Woods](#)
- [Jennifer Lindner](#)
- [Daniel Lamb](#)
- [Doron Shalvi](#)

## Agenda

1. Still time to participate in the [Fedora Value Proposition](#) brainstorming
2. Concurrency control options with lack of strong ETags
  - a. If-Unmodified-Since has only second precision
  - b. Use cases would be nice to determine common need
3. [Import/Export pre-planning](#)
4. [Linked Data Notifications](#)
5. Status of "in-flight" tickets

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

## Ticket Summaries

1. Please squash a bug!

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

2. Tickets resolved this week:

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.										

3. Tickets created this week:

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.										

## Minutes

- Still time to participate in the [Fedora Value Proposition](#) brainstorming
  - The Fedora Value Proposition brainstorming exercise will close within the week. Please take a look and add your comments.
- Concurrency control options with lack of strong ETags
  - Background discussion: Strong ETags are desired, but RDF doesn't allow us to make those guarantees. We had planned to use If-Unmodified-Since: headers, but those have limited granularity of one second. At least one site has a use case for a better solution. [Jim Coble](#) said that Duke might depending on the direction that Hydra goes.
  - LDP standards are heading towards using If-Unmodified-Since: . We may still need to make better guarantees in Fedora.
  - There were several proposals about how to deal with this issue:
    - Use a local header (e.g. X-If-Weak-Match:) with weak ETag contents but different semantics
    - Use higher precision dates in If-Unmodified-Since. HTTP/1.1 forbids using a different time format.
    - Solve the problem in clients by having them modify their behavior to strip out the weak identifier.
      - There was discussion of how stable this option will be. It will work for now, but might break in the future.
      - ETags allow this behaviour since only the ID is opaque, not the weakness indicator.
    - Use properly formatted If-Unmodified-Since:, but don't have the timestamps reflect actual time, but instead mapped from a better counter.
      - Clients need to know that they can rely on this, but would not require special processing of the header on the clients.
      - Fedora would need additional work to generate the header. The amount of work required is unknown.
    - (also mentioned on IRC) HEAD requests could return strong ETags. Clients most often send HEAD requests first. It may not be allowed for HEAD requests to return different headers.
  - n.b.* All of the proposed solutions require clients to be aware of the Fedora specific behavior.
  - Conclusion:
    - The LDP spec will change to support the use of If-Unmodified-Since:. For use cases where that is not good enough, clients can treat weak ETags as strong.
    - Other options should continue to be explored as needed.
    - We would like the improve how ETags are generated
      - Danny will open a ticket about this.
- Import/Export Sprint [Nick Ruest](#)
  - Starts at 11:00 EDT, Monday, August 29th.
  - In the first meeting we will talk about Phase one items and assign tasks.
  - A wiki page for the sprint meeting will be created under the Misc. Meeting section of the wiki.
  - The minimal goals for the sprint are the Phase one requirements.
  - The fedora-tech list will be included in discussions, so that those who are not participating in the sprint, but would like to stay abreast
- Linked Data Notification
  - Amherst is interested
  - There is a [W3C draft standard](#)
  - Fedora currently has various ways to do auditing (e.g. built in audit functionality, sending events to an external triple store, storing events as object in the repository).
  - LDN complements what already exists in Fedora by standardizing an endpoint for seeing notifications.
  - Is there interest from Fedora?
  - Conclusion:
    - This is in line with LDP and what we are doing. Please review the spec and we will talk more next week.
- In-flight tickets
  - [FCREPO-2120](#) [Bethany Seeger](#) will review and close ticket
  - [FCREPO-2111](#) and [FCREPO-2112](#) [Benjamin Armintor](#) would like for someone to take over. There were no volunteers.

- [FCREPO-2055](#) Trying to replicate at modeshape level.
- [FCREPO-2031](#) Needs re-review
- [FCREPO-2028](#) [Jared Whiklo](#) has it on TODO list, and should have some time next week. It is mostly maven work.