2012-02-09 - Fedora Committer Meeting

Time/Place

This meeting is a hybrid teleconference and IRC chat. Anyone is welcome to join...here’s the info:

- **Time:** 9am Eastern Standard Time US (UTC-5)
- **Voice**
  - Via Skype (Dial from anywhere):
    - In Skype, select Add a New Contact
    - In the search box, type freeconferencecallhd.8053991200, hit Enter, and add the contact
    - Call the contact
    - When prompted, bring up the Skype keypad and enter the following by clicking with your mouse – not using your keyboard: 341 861#
  - Via Phone (US Number):
    - +1(805) 399-1200, Access Code: 341861
- **IRC**
  - Join the #duraspace chat room via Freenode Web IRC (enter a unique nick)
  - Or point your IRC client to #duraspace on irc.freenode.net

Agenda

**Regular Items:**

1. Notetaker volunteer
2. Review last week’s actions
3. Status questions/clarification
4. Review recently submitted issues (15 minutes)

**Discussion Topics:**

1. All - GSoc
2. Adam - FCREPO-1061 (Cargo-based testing)
3. Adam/Chris - SOAP Faults
4. Chris - Bamboo upgrade progress and FCREPO-1017 (Snapshot deployment to Sonatype)
5. All - Next steps on JMeter?
6. Other hot topics?

**Individual Status**

- TBD

Notes

**Attendees:**

- Chris, Adam, Aaron, Dan, Frank

**Notes:**

See notes on IRC.

- [https://wiki.duraspace.org/display/FCREPO/2012-02-09+-+Fedora+Committer+Meeting](https://wiki.duraspace.org/display/FCREPO/2012-02-09+-+Fedora+Committer+Meeting)
- [2012-02-09 - Fedora Committer Meeting - Fedora Repository Development - DuraSpace Wiki](https://wiki.duraspace.org/display/FCREPO/2012-02-09+-+Fedora+Committer+Meeting)

Chris: Focus on the hot items today.

Adam: GSOC on agenda?
Chris: Yes. Adam got a high quality T-shirt from GSOC. DuraSpace will apply one for each major project.
Chris: Not a shoe-in; Need to apply, have good projects and mentors for each. Need mentor volunteers.

[ajs6f] [https://github.com/fcrepo/fcrepo/tree/fcrepo-452](https://github.com/fcrepo/fcrepo/tree/fcrepo-452)

Chris: Need to discuss SOAP faults and facilitate getting last years code into Fedora.

[ajs6f] [https://jira.duraspace.org/browse/FCREPO-452](https://jira.duraspace.org/browse/FCREPO-452)

Chris: Problems in passing tests may be part of text in SOAP faults.

Chris: Adam: Human readable messages, code/test brittle, pulling message out of type.

Chris: Human version and "reason"

<ruckus> Hola guys, sry for being late
ruckus has changed nick to elschlomo
<elschlomo> <- frank

Dan Davis> Group intelligence doubled when Frank joined.

- [Oracle Service Bus 11g, handling SOAP Faults | Oracle .. Java .. OpenSource .. SOA] - http://www.xenta.nl/blog/2010/07/17/oracle-service-bus-11g-handling-soap-faults/

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Chris: admits he does not want to write more Java code, cannot get free labor from Mo.

Chris: What do we really need to pass as faults/exceptions.

Adam: Chris: Compatibility with client libraries.

Adam: set up some "fedora" specified fault codes.

Chris: Code may be best kept in "human" readable return.

Dan: Possible include a correlation ID in SOAP fault and server log.

Chris: Do not go with fault subcode, Go with Oracle style with consistent code (detail), plus across rest in the HTTP header. And correlate with stack trace /addl details.

Adam: Java could serial/de-serial exception but cross client/language may need a better form. Takes it out of the web service to use.

Adam: Makes wind.

Chris: Summary, change exceptions to have code, language independent, Detail portion has code/message. Reason, stack trace. Adam: Check to see common approach but close.

- [Create examples for Cargo-based integration tests - DuraSpace JIRA] - https://jira.duraspace.org/browse/FCREPO-1061


Adam: Config A, B working. Installer not needed.

Adam: Cargo provides container.

Adam: IMO, installer not tested as part of ITs

Adam: Can keep running container. Trivial to switch containers.

Adam: Problems with Jetty, may never have been properly tested.

Adam: Use profiles, should helping us to change containers easily.

Adam: Getting a dissemination that does not exists, Tomcat 404 right, Jetty 500 wrong.

Chris: Ant script gone.


Adam: Unfortunately, may not be best. Indicate when test inappropriate to run is better.

Adam: Can eliminate stuff reduces maintenance cost.

Chris: Would you suggest moving to Cargo, next step to get move done the refactor tests. Adam: Its orthogonal but likely move to Cargo first. Make refactoring faster. You don't lose config.

Adam: Check into Verify with different profiles.

Dan: How does this play into performance testing.

Adam: Add a Jmeter profile.

Adam: Or just a performance profile.

Aaron: Current approach defacto tests installer.

Adam: Separate the two. Black box plus testing installer by some other means.

Chris: Still need end-to-end.

Chris: War only goal would be helped.

Adam: (with much chagrin) brings up OSGI.

Chris: Installer goes away.

Adam: uses the word "quotidian"

Chris: Wrap up. Adam is still wrapping up Cargo stuff.

Chris: To make jump, Installer test as a unit. Maybe also end-to-end.

Chris: I'll do one more config in Cargo, and that should be a good point at which to bring in more opinion and make a forward-looking decision.

Chris: Recent issues.

Chris: Some are major.

- [Invalid XML checksums after migration from inline (X) to managed (M) via migration script - DuraSpace JIRA] - https://jira.duraspace.org/browse/FCREPO-1062

- [Inline XML Canonicalization (c14n) for SIZE and CHECKSUM - DuraSpace JIRA] - https://jira.duraspace.org/browse/FCREPO-190

Adam: Checksumming in the future? Its a bytestream operation. For XML, maybe xml signature.

Chris: Promises (again) to make the meeting shorter.
Action Items

TBD