

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*: **341861#**
 - 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](#).

<cwilper> <https://wiki.duraspace.org/display/FCREPO/2012-02-09++Fedora+Committer+Meeting>
<kompewter> [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>

<kompewter> [fcrepo/fcrepo at fcrepo-452 - GitHub] - <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>

<kompewter> [[#FCREPO-452](#) Move away from Axis 1.3 - DuraSpace JIRA] - <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

<ajs6f> <http://stackoverflow.com/questions/3313328/how-to-get-a-soap-fault-message-to-be-ws-i-compliance>

<Dan_Davis> Group intelligence doubled when Frank joined.

<kompewter> [soapui - How to get a SOAP fault message to be WS-I compliance - Stack Overflow] - <http://stackoverflow.com/questions/3313328/how-to-get-a-soap-fault-message-to-be-ws-i-compliance>

<ajs6f> <http://www.xenta.nl/blog/2010/07/17/oracle-service-bus-11g-handling-soap-faults/>

<kompewter> [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/>

<elschlomo> yes! GI * (-2)

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.

<ajs6f> whhttp://www.w3.org/TR/soap12-part1/#faultstringelement

<kompewter> [SOAP Version 1.2 Part 1: Messaging Framework (Second Edition)] - <http://www.w3.org/TR/soap12-part1/#faultstringelement>

Chris: Impose on API, identifiers

Chris: Not say exception to make less Java specific

Adam: Will come with some experience.

Adam: Not numbers but partially human readable.

Chris: Switch to newest Bamboo version.

Chris: Perhaps sometime this week.

Chris: Push snapshots to Sonatype, Fedora is hardest.

Chris: Maybe from an empty Maven repository.

Chris: Not a problem on build but on deploy

Adam: Cargo

<ajs6f> <https://jira.duraspace.org/browse/FCREPO-1061>

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

<ajs6f> <https://github.com/fcrepo/fcrepo/blob/fcrepo-1061/fcrepo-integrationtest/fcrepo-integrationtest-cargo/pom.xml>

<kompewter> [fcrepo-integrationtest/fcrepo-integrationtest-cargo/pom.xml at fcrepo-1061 from fcrepo/fcrepo - GitHub] - <https://github.com/fcrepo/fcrepo/blob/fcrepo-1061/fcrepo-integrationtest/fcrepo-integrationtest-cargo/pom.xml>

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

Adam: Cargo provides container.

Adam: IHO, 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.

Chris: What tests run. Adam: Depends on profile, config specific.

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

Chris: 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 orthoganal 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.

<ajs6f> 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.

<cwilper> most important for now: <https://jira.duraspace.org/browse/FCREPO-1062>

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

Chris: Could add to API.

Dan: Adam: Maybe a utility, maybe part of rebuilder.

Adam: Utility running over Web services. Slow but easy.

Chris: Should this be critical. Consensus yes.

<cwilper> <https://jira.duraspace.org/browse/FCREPO-190>

<kompewter> [#FCREPO-190 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