

2016-06-09 Fedora API Extensions Meeting

Date: Thursday, June 09, 1pm EDT (-4 UTC)

- Dial-in Number: (712) 775-7035
 - Participant Code: 479307#
 - International numbers: [Conference Call Information](#)
 - You may also call in using the [VoIP dialer](#) from a web browser, or Android/iOS apps
- 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](#)

Attendees

- [Nick Ruest](#)
- [Jared Whiklo](#)
- [Daniel Davis](#)
- [Elliot Metsger](#)
- [Unknown User \(acoburn\)](#)
- [Ruth Duerr](#)
- [Joshua Westgard](#)
- [Bethany Seeger](#)
- [Katherine Lynch](#)
- [Andrew Woods](#)

Agenda

1. Progress updates
 - a. Design proposal docs - some ready for people to start looking at, see where there's consensus and what needs more work.
 - i. [Overview](#) - includes glossary, suggests/clarifies implementation components
 - ii. [Extension Definition & Binding](#) - Mostly new material, investigates OWL reasoning for binding services to objects.
 - iii. [Execution](#) - Addresses service invocation,
 - iv. [Service Discovery & Binding](#) - Just a stub at the moment, suggests a few tweaks to the existing [SD&B doc](#)
2. Can somebody volunteer to review/critique the design docs discussed above in the upcoming weeks? We can start implementing the good parts where there is consensus.
3. Choose concrete extension(s) to develop?, see [github issue](#)

Minutes

Progress update:

- Aaron worked on a putting together draft design docs. He produced a few documents describing the work done so far. Identified a few areas where concrete decisions have not been made.
- Aaron pointed to the documents, suggested people to take a look at the document and make comments on them over the next couple weeks so that discussion around these topics could start. This will be a topic for discussion in the next call (6/23).
- The documents attempt to distinguish the differences between extensions and services: Extensions describe the services's relation to repository objects and indicate how services are exposed. Services are the motion of web resources.
- Elliot agrees with the distinctions made

Document on Extension Definition and Binding:

Preliminary feedback on the usage of OWL reasoning was being sought:

- The document proposes using reasoning (OWL2) to infer a resource is a member of a particular class that can be acted on by an extension
- This document deserve the most scrutiny.
- Ruth has positive experience using semantic reasoning.
- Andrew: there are downside to OWL reasoning, such as processing complexity. Asked if Aaron was aware of the pitfalls of OWL reasoning.
 - Aaron: a number of pitfalls are mentioned in the doc. But it could be mitigated based on observation from the SWAP project: defining the scope of reasoning to limited
 - The document proposes that for determining the set of extensions bound to a single object, reasoning limited to extension definition resource, candidate repository resource, and closure of owl:imports.
 - Ruth: 2.6 m records data set, 1 new object/5mins, raises performance issues with the volume of data.
 - TODO: Ruth will produce a use case for dataset with vast amount of data. (I didn't quite capture where this usecase would be put: google doc?)

Process for Documents review

- (Andrew) Documents appears to be of high quality. He feels that not much disagreement will arise against what's being proposed in the documents. The documents captures the essence of what's been going on for a quite a while. Suggested that instead of asking for volunteer to review, we should put out a public call for document review with a published ratified-by date, to give people a chance and a deadline to review and contribute to the ratification of design docs.
- @ the July 7th meeting the design documents will be ratified. Call for design review and contribution could be sent out now, while noting that design docs are in draft stage.
- Some implementation could take place concurrently.
- Elliot, Ruth, Katherine intent to review the docs
- TODO: Aaron to comment on the GitHub issues to link them to particular sections of the design documents.
- Google docs are good home for the design docs initially until a firmer vision for the design is achieved, at which time the design will be put in to markdown pages in the repository.
- Comments on a design doc that are of a debate/opinion nature should be added as comments on the doc

Decision on exemplar extensions to implement

- Will hold off on picking extensions to implement until after design is ratified (July 7), noting that other institutions has their own plan to implement extensions that are relevant to them.

Information API-X gathering at OR

- OR is next week, github #18, interest in holding an informal API-X gathering at the conference: lunch time tuesday + follow up that evening.
TODO: Aaron will announce this gathering to invite whoever interested. Aaron will capture Notes from OR gathering, specially if there are any significant developments.

Wiki gardening:

- Josh has done some wiki gardening, pointed to landing page
- TODO: Add links to design docs to the wiki pages.