2016-02-11 - 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
 - O Participant Code: 479307#
 - International numbers: Conference Call Information
 - Web Access: https://www.freeconferencecallhd.com/wp-content/themes/responsive/flashphone/flash-phone.php
- IRC:
- o 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

- Bethany Seeger
- A. Soroka
- Yinlin Chen
- Esme Cowles
- Jared Whiklo
- Andy Wagner
- David Wilcox **
- James R. Griffin III
- Andrew Woods
- tamsin johnson
- Benjamin Armintor
- Namibia Bahulekar
- Allen Flynn
- Katherine Lynch

Agenda

1. How many child resources do I have?

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

- 2. Modeshape 5.x update
- 3. Next steps: Fedora specification
 - a. Service detailing
 - b. Alt implementation verification
 - c. TCKs
 - d. Spec writing
 - e. LDP and other standards coordination
- 4. MySQL migration testing
- 5. Fedora backup: documents_000001.bin.gz
- 6. Status of "in-flight" tickets

key summary type created updated due assignee reporter priority status resolution

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Ticket Summaries

1. 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.

2. Tickets resolved this week:

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

3. Tickets created this week:

key summary created updated assignee reporter priority status resolution tvpe

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Minutes

Child Resources

- · Assumption: When you make a request on a container you should know how many children that container has
- Fedora should provide this information
- Going into a paging scenario with this information would be nice
- The current code iterates over all the children and counts them
 - o This can be a performance issue with very large numbers (millions) of children
- · Instead of dynamically creating this count, we could maintain a property that gets updated when children are created or removed
 - Right now, we don't have good information on when children are created via federation
- o In general, it is difficult to know how many children are in a federated file system period. This should not stop us from making inrepository storage perform better
- . There is a child count property we could use it does not indicate whether those children are in repository or federated storage
- Could we use a listener to listen for federated changes and update the property in Modeshape?
 - Record number of children, bytes, and a timestamp and us a TTL to update at periodic intervals
 - O Not sure if we could override the way the federated filesystem gets queried for its contents
 - We could pursue one solution for in-repository content and another solution for federated resources
 - Both solutions should use and maintain the same property
- Action: Create a separate ticket for each solution

ModeShape 5 Update

- There will probably be a couple more 4.x releases
- ModeShape 5 is projected to be released in March
- We will want to install and test this release with Fedora 4 when it is available

Fedora Specification

- A message regarding the API spec was sent to the Fedora community yesterday
- We want to clearly define what Fedora is in a specification
- The proposal includes API and SPI services and WebAC for authorization
- An effort is currently underway to detail each of the services
- We want to have a number of alternate implementations to verify that the API is independent of any particular implementation
- We need to have TCKs that progress alongside the specification work
- Who will volunteer to take responsibility for the service pages on the wiki?

 - Resource Versioning: A. SorokaResource CRUD: Benjamin Armintor
 - Atomicity: Jared Whiklo
 - O Authorization: Allen Flynn, Namita
 - O Binary Fixity: Andy Wagner
 - Atomic Batch Operations: Jared Whiklo
 - Messaging SPI: Unknown User (acoburn)
- · What will the final spec look like and where will it live?
 - It should be in the same form as the other W3C recommendation documents that are out there
 - o It should not just live in GitHub or on a wiki

- W3C Respec for authoring: https://www.w3.org/respec/
 This is difficult to do in the wiki. Probably still difficult in GitHub
 - Maybe a Google Doc?
 - Useful but will not help produce a spec doc
 - o Are GitHub issues a barrier?
- Could we use JIRA instead since we already have a running instance?
 Action: As a starting point we will use a Google Doc but transfer to something else if need be

MySQL Migration Testing

There are some documented issues with LevelDB

Need to migrate backup dump from LevelDB to few Fedora repo

ation from LevelDB to MySQL Application Link configuration.

Unable to locate Jira server for this macro. It may be due to

Fedora Backup

• There is no guarantee of order of resources in a Fedora backup dump