

# Software Architecture Minutes - 6/18/2015

Attending: Ananthan, Beard, Geng, Mills (recorder), Morgan, Triggs

## Agenda

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1. Announcements and updates
  - a. OR conference (Chad)
  - b. Adding REF-1 datastreams (Jeffery, Dave)
  - c. Fedora 4.x migration tools now available for test
2. R7.6 status
3. Update on R7.6.1 and revisions to the release summary
4. Converting techMD to "managed" - as a test, relax the system XACML policies to run the script.
5. WMS Issues from last meeting
  - a. do we need an smap for derivatives
  - b. when to back out of ingest (related to experience with DataCite DOI problem)
6. ETD supplementary files

### 1) Announcements and updates

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OR Conference – Mills attended the Open Repository Conference in Indianapolis. The conference was very well attended. Fedora 4.2 is available. The migration-utils, a utility to migrate Fedora 3 objects to Fedora 4, looks promising. The utility is designed to run at command line over the object and datastream store of the Fedora 3 repository. Fedora 3 should not be running when using the migration-utils. There was much discussion surrounding the Portland Common Data Model(PCDM) and its traction in the community. The purpose of the PCDM is to provide a common data model for Fedora 4 resources that would be implemented by Hydra, Islandora, and possibly custom Fedora 4 installations.

Triggs reported that on the production system when running the REF-1 datastream job the lastDateModified isn't being returned from the Fedora API's. Triggs will look at the issue Hoover commented on and discuss with him what might be going wrong.

### 2) R7.6 status

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A schedule for the Monday June 22<sup>nd</sup> upgrade was outlined.

6AM – 7:30AM – Hoover will install software

7:30AM – 8:30AM – Additional configuration will be perform by the developers

8:30AM – 9:30AM – Testing

We hope to have the system back online by 10AM. If accomplished the downtime window will be 4 hours; which is an improvement from our typical 10 hour downtime.

Either a new local account should be created with the SSO management rights or the super user account needs to be made active for the Monday rollout. This will provide us a method to log into SSO using a local account if the shibboleth/CAS login is not functioning properly.

Ananthan asked that during testing everyone increased their awareness with respect to what issues are assigned to them. It is time consuming to inform developers, testers, and stakeholders when an issue is assigned to them that they have not been responded to.

During the next full release we should consider delivering code from the development environment to the test environment using CVS when applicable.

During the next release any dlr/EDIT notifications will be delivered separately from the standard dlr/EDIT delivery. Geng will be in charge of the delivery, since she is also responsible for its development it makes sense she also provides the code during the delivery process.

During the rollout to the staging environment only one of the four developers was on site. This might have attributed to some issues with packaging and delivery of code. In the future the group, and its members, needs to plan better. We should have a minimum of two developers on site during the staging delivery and installation process.

### **3) Update on R7.6.1 and revisions to the release summary**

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Mills reported development on 7.6.1 is more complex than anticipated. The group agreed to move the code freeze date to July 13th. The release target date will remain the same.

The group reviewed changes to the release schedule from the last meeting. Under 7.7 a new item will be added to perform an export from the ROA submission system to WMS.

### **4) Converting techMD to "managed" - as a test, relax the system XACML policies to run the script.**

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Triggs believes the issue with converting inline datastream content to managed using the packaged Fedora tool might be the XACML policy enforcement on the system. Triggs suggested relaxing the XACML policy enforcement on the development system. Triggs will create an issue outlining the changes to the Fedora configuration file and other instructions needed to relax the XACML policy enforcement on development. Once specified Triggs will assign the issue to Hoover for implementation on the development system.

### **5) WMS Issues from last meeting**

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This discussion was delayed to the next meeting.

### **6) ETD supplementary files**

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Ananthan reported that an ETD was deposited with supplementary files. For some time the ETD was embargoed, however the embargo has expired and some, if not all, of the supplementary files need to be available for downloading. Making some or all of the supplementary files available is a condition of a grant associated with the ETD.

It is the suggestion of the group that the supplementary files be added as additional datastreams to the main ETD resource and not ingested as a separate resource. Marker may need to take this issue to CISC for further review and feedback.

### **Future Items**

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- WMS Issues from last meeting
  - a. Do we need an SMAP for derivatives
  - b. When to back out of ingest (related to experience with DataCite DOI problem)