

Software Architecture Working Group Meeting Minutes
2/25/16

Present: Kalaivani Ananthan, Isaiah Beard, Jie Geng, Dave Hoover, Rhonda Marker, Chad Mills, Aletia Morgan, Jeffrey Triggs, Yang Yu

1) Announcements/Updates

- a. Ron mentioned in the email that the annual DuraSpace Member Summit is March 15 and 16 in DC and the Fedora DC user group meeting is at the National Library of Medicine, April 27 and 28. If anyone is interested in attending, talk to Ron.
- b. Kalaivani reported that the migration to CAS is moving along as planned, except Sirsi is waiting for the completion of the IIS networking equipment upgrade (planned for this coming Spring break). After this is done, will evaluate what other local applications need to be migrated and the time frames for that. Chad mentioned that the finding by Yuhwei Ling about the CAS class has solved the issue of redirect looping. But we still need to evaluate and streamline the session management in dlr/EDIT and other applications.
- c. Chad reported that software developer group met last week (2/18). The group went over the current issues in SSO as well as ABBYY development and the plan to tackle them.
- d. Aletia reported that some progress has been made in research data projects, one dataset object is completely done, and the data collection is complete. Currently the projects are still in test mode, what is really needed is to regularize the dataset workflow, and clarify the people's responsibility in each stage of the workflow.
- e. Rhonda reported that we now have over 700 items in SOAR.

2) Release 8.1 finalizing items and scheduling

Kalaivani needs to go over the new features requested in software.libraries for 8.1, and prioritize the development for them. For the items that already have the specs, Chad, Jeffery, and Jie reported that they can finish the work by the end of April. Yang reported that in general the work can be finished by the end of April, but not sure of the time needed for the development of ABBYY module. There are some technical issues concerning ABBYY web service that need be resolved, and the process of finding the solution may take some time. Based on the above progress estimate as well as people's scheduled vacation times coming up in June, the group made the decision on the following dates for release 8.1:

- a. Code freeze date: April 25.
- b. Testing period on rep-test: May 2 - May 20.
- c. Code packaging and migrating to rep-staging: May 23.
- d. Code to production: June 6.

Since Kalaivani has an upcoming vacation scheduled for May 20 through June 15, we need to find a person who can act on her behalf for testing on rep-staging.

Unrelated to the scheduling of 8.1, the group decided that any new request for developing new software for any project should be first redirected to Grace and CISC for discussion.

3) Release 8.0 update

Dave has completed following software installations on rep-staging:

- a. Suse SLES 11 SP3 to SP4.
- b. PHP upgrade 5.4.43 to 5.6.18.
- c. Fedora 3.6.2 to 3.8.1.

There were problems starting server at first. Dave got help from fedora listserv, turned out he needed to update some xacml related entries in fedora.fcfg (the classes used had changed in Fedora 7).

- d. Mediainfo (v0.7.82)
- e. ImageMagick (v6.9.3-5)

We should perform test on rep-staging for each application to make sure there are no issues after these software updates. After Dave gets OK for rep-staging, he will install the same software updates on rep-dev.

4) Jobs and Reports

- a. Dave will get to run work on the RARCH migration project when he finishes with his current high priority work.
- b. Isaiah will add a new task to identify multiple ARCH files with split tar videos, and Jeffery will devise a method for Dave to scan the file system on production.
- c. Yang suggested that to solve the stats performance issue, Jie can try to add database indices for all the table fields that are used by all the SQLs in the application, as people on the internet have reported significant performance improvement after they did this.