

Open XAL Collaboration Activities

August 25, 2016 Meeting Notes

1 Open XAL Master Repository (on GitHub)

1.1 Local Repositories

- SNS internal git server maintains SNS site branches.
- ESS uses BitBucket to maintain their site branches.

1.2 Synchronizing Master Branch

- Both institutions push revised branches on local servers to site branch of the Open XAL master repository on GitHub
 - Pull requests are issued and GitHub site branches are merged into master branch
- Is there a more straightforward method to sharing code?

1.2.1 Subtrees

- Subtrees are too arcane.
- Both SNS and ESS need to reevaluate this and come up with a more transparent management scheme.

Should come up with a clean step-by-step guide (policy) to managing repository in general.

2 Development

- Tickets are good, milestones maybe not so much.
- Set up ticket and issue tracking to improve inter-site communication
 - Posting a ticket when developing a component alerts other sites – they can collaborate if there is shared interest.

3 GUIs

- Must move to a modern technology; need to decide which one.
- Get some expert advice
 - SNS will talk to the CSS people
 - ESS will talk to their Java GUI person.

4 EPICS 4

- ESS is working on a plugin for EPICS 4 channel access.

- The task is nontrivial due to the undefined data types in EPICS 4; the SMF machine representation must adopt a convention for hardware parameters.
- The additional capability is to be added to the Open XAL core.

5 To Do

- Reevaluate GitHub structure for the Open XAL project.
 - SNS will take the initiative – have a preliminary design for next meeting
 - Please forward any ideas/suggestions