

MXCuBE-WEB Developer's Meeting

Whereby, September 03, 2024

Meeting Minutes

Participants

Marcus Oscarsson, Antonia Beteva (ERSF)

Elmir Yagudin, Mikel Eguiraun (MAX IV)

Dominika

XML-Yaml conversion

EY is now able to run a demo beamline on the XML_YAML branch. This has not been tested on the newest mxcube web branch. The plan is now to rebase onto the develop branch and test. Once that is done to merge and port onto the micruMAX live branch and test, and then to make a PR for moving the XML_YAML branch to develop. This will take a few weeks. Since this is a breaking change, the final merge would have to be thoroughly discussed by the MXCuBE developers beforehand.

AB raises the question of how to check if a given attribute is present in the YAML configuration style; the answer is not clear from the meeting notes.

There is a general discussion on whether it should be possible to configure the same hardware object in multiple places. AB thinks this is desirable to maintain flexibility, RF is strongly against it and favours having a well-defined place for every hardware object and accessing it through there. There is a similar disagreement on the long-term need for the `get_by_role` function, which would become unnecessary if every contain hardware object had a well-defined location (RF volunteers to replace calls to this function when the time is right). It is agreed that the `get_property` function will continue to have a role, since it adds the capability to check if a given property is defined and return a default value if not.

The Session object

The Session object is being worked on at the moment, as part of the move to supporting multiple LIMS systems (ERSF), to introduce single-sign-on, and to separate authentication and authorisation. This opens a number of technical problems. It would be better software engineering

to deal with some of these concerns at the LIMS level, but users prefer the current solution as being less cumbersome for them. MAX IV has had some issues with changing from their previous system, since the software would generate a separate session for every active proposal when a user logged in, leading to multiple empty sessions.

Any Other Business

PR #1004 on grid objects was discussed. It was agreed (proposer EY) to standardise so that RGBA colour indications used with 0-255 or 0-1.0 for all four fields instead of using a mixture, as at present.