

Sardana follow-up meeting

11.12.2017

MacroServer **report** feature

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- Produces user oriented log files
- Logs must be explicitly done by the user (not the MacroServer logs)
- Would be nice that the user could define redirection of MacroServer logs to the report e.g. `wa` output to the report file

MacroServer **report** feature - configuration

- Configuration via MacroServer Tango properties: `LogReportFilename` and `LogReportFormat`
- Nightly rollover report file (`LogReportFilename-%Y-%m-%d_%H-%M-%S`)
TODO: find bug number
- Default log format: `%(levelname)-8s %(asctime)s: %(message)s`

MacroServer **report** feature - usage

- Logs are added by explicit calls to **Macro.report** method.
- Log level is an optional kwarg of this method, by default INFO level is used.

Lima SEP2 requirements/ideas

Lima SEP2 - requirements/ideas

- Be able to use detectors integrated with Lima as Sardana experimental channels.
- User introduces the file name only once - it should not be necessary to set the filename in between scans
 - ScanId could be concatenated with the filename
 - File format should be taken from the scan file extension (H5, CBF, EDF, TIFF)
 - This configuration should be transparently applied to standard scan macros ascan, meshscan, etc.
 - The Lima saving Directory could be different that the ScanDir, it could be ScanDir + custom path, like 'ScanDir/DetectorName'
- It should be possible to configure the number of images that should be stored in the same file (H5) e.g. 1, 5, 100 or all.

ALBA users experience

User experience - closed questions

- Added new API to Record class (Taurus3 and Taurus4 compatible)
- Timer and Monitor assignment is fixed now (considering order of elements, software & hardware acquisition and enabled/disable flag)

User experience - open questions

- Meshct scan being developed at ALBA (first approximation to the real waypoint generator)
- It would be useful to have a *prepare-acquisition* (with number of repetitions) before the software synchronized continuous scan and even before the step scans that would get to the controllers
- It would be useful to have a call to *cleanup-acquisition* before the software synchronized continuous scan and even before the step scans that would arrive to the controllers
- Sardana for monitoring purposes e.g. Motor's state. As a workaround use Tango polling, is it safe?
- If controller is offline and it is disabled in the MeasurementGroup the acquisition fails.

Collaborative Development - Status

Provide reliable position column in continuous scans

- Issue [#643](#) created
- Reverted PR [#590](#)
- No progress in the implementation