

QA WG Meeting: 2018-06-06

<https://bluejeans.com/426716450>

Agenda

- Review progress in sub-WGs.
 - Drill down. (Eric, Angelo, Tim)
 - Pipelines debugging. (Lauren, Simon, Trey)
 - Datasets & Testing. (Hsin-Fang, John)
- Start building a list of components and the relationships between them.

Components

(Pre-meeting brainstorming by JDS)

Datasets & Testing

- *Assorted policy documents.*
 - Code review.
 - Unit test guidelines.
 - Execution environment for CI and testing.
 - Etc.
- *System for writing testable documentation & examples.*
- *Test coverage checked in CI, together with policy.*
 - Note Tim just enabled test coverage in sconsUtils.
- *Defined test package that provides a quick check that nothing is wildly wrong prior to merging.*
 - Assumption is that this is self contained — ie, it clones an LFS repository for all the data it needs.
 - Assume that these are run within Jenkins.
- *Nightly test packages.*
 - Following a common format.
 - Upload results to SQuaSH or similar.
 - Covering multiple cameras.
 - Again, self contained.
 - Assume that these are run within Jenkins (*is that a good assumption? Would nightly jobs on the VC be useful?*)
- *Periodic test packages.*
 - Assume (for now, at least) that these are fundamentally documentation and procedure; actually running the test involves manual intervention rather than automatic scheduling.
 - (Will that always be true? *Do we need a system for having Jenkins execute VC jobs?*)
 - Data is available on the GPFS filesystem, not from an LFS package.
- *CI System (Jenkins).*
 - Broadly as it exists now, but with assorted suggestions for improvements to documentation and behaviour, to include improved notifications.
- *Dataset packages.*
 - Common format definition.
 - Construction of one or more specific packages?
- *Periodic jobs to populate dataset packages with reprocessed data.*
 - Are these the same as the nightly tests?
- *Storage of large datasets.*
 - *Refresh existing policy.*
 - *Ensure each dataset has an owner.*
- *Metric tracking and notification.*
 - Broadly as SQuaSH.
 - With aggressive notifications of regressions.
- *Performance tracking.*
 - Combination of executing child-of-ci_hsc in Jenkins with upload to SQuaSH and those aggressive notifications.

Action for Next Week

- [John Swinbank](#) will produce a document structure (in LaTeX) and list of components, expanding somewhat on the above.
- Everybody will get some components in that document allocated to them, and should start filling in text.
- Prior to the document being available, we can all already be thinking about text for the “obvious” components.
- Action on [Eric Bellm](#), [Angelo Fausti](#) and [Unknown User \(tmorton\)](#) to resolve any outstanding tensions in the drill down design, in particular to come up with a clear vision for “static plots” or the lack thereof.