

Googletest hackathon

Software TIM
Glasgow 6/2016
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Discussiothon

- Anti-patterns for (difficult) problems found often from lizard analysis
 - Try to identify, collect on developer twiki, and finally workbook tbd
- State of sw quality assurance for new framework
 - Peer review from git merge requests
 - Require unit tests? Require coverage > X%?

Discussiothon

- Framework migration plans
 - no clear recommendation, hope that unit/ATN test coverage is good enough? Require at least ATN for each project for migration?
- Testability of components
 - Non-virtual members vs mock testing
 - Non-virtual vs virtual+inline+devirtualisation?
Needs investigation
 - “mini-gaudi”: `Athena_test::initGaudi(..)` vs `Gaudi::createApplicationMgr`

Projects

- Shadow xAOD::Jet (Attila)
 - Provide gmock replacement, does the job
 - +: xAOD::Jet unchanged, -: one-for-all, modifications?
- Initialise gaudi in gtest fixture (Stefan)
 - Seems possible, prototype works, when ready put on twiki, include in Wills cmt makepackage
- Instructions for googletest on twiki (Shaun)
 - SoftwareQuality->UnitTests
- Unittest for BeamEffectsAlg (Elmar, John)
 - Not so hard after mastering gtest syntax
- AnalysisTop gtest unit test (Andrea)
 - Understand rootcore test environment from examples?