

HAMMERCLOUD USE CASES

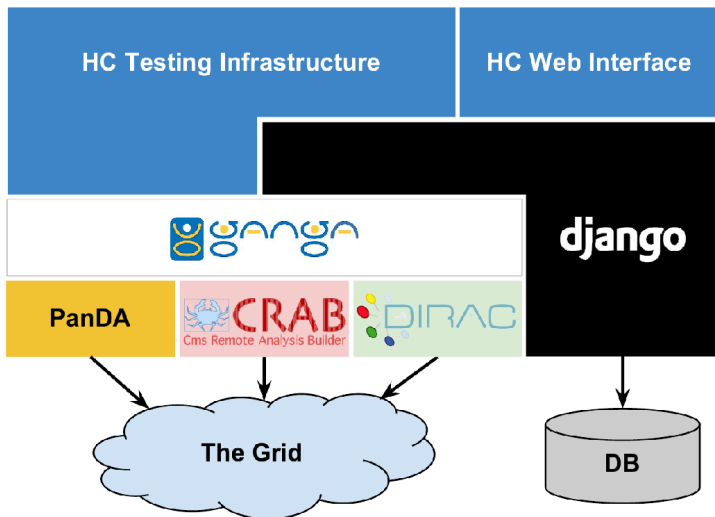
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HAMMERCLOUD OVERVIEW



HAMMERCLOUD ATLAS USE CASES I

- Panda queue black-listing:
 - Continuous flow of 6 different very short tests to verify Panda analysis and production queues
 - 3 AFT (analysis functional tests)
 - 3 PFT (production functional tests)
 - Real analysis and Geant4 workload
 - Automatically black-list and whitelist Panda queues with email and SAM/Nagios notifications
- Functional tests: (in use)
 - Continuous flow of very low frequency short jobs at multiple or handful of sites
 - 4 different Panda pilot development tests (e.g. also GLEXEC)
 - 8 Athena nightly build tests
 - 2 tests for FAX WAN cost matrix and ROOT I/O measurements
 - 3 FAX functional tests
 - 1 MCORE (multi-core) production queue test
 - 1 Production queue bench-marking with Geant4
 - 1 Dedicated DPM SE functional test

- Planned Functional tests:
 - http(s)/davix access for ROOT input files - http(s) TURLs will be available with new data management system Rucio - need to test/verify ROOT functionality
- On-demand stress tests:
 - Frequently used by several sites admins for site commissioning
 - FAX (federated xrootd) stress testing
 - Jedi commissioning
 - CERN Wigner test
 - Cloud computing site
 - HPC sites

CMS

- Functional tests:
 - Glidein functional tests, Site robot with
- On-demand stress tests:
 - CRAB3 scaling tests

WLCG