



ATLAS applications on OSG ITB

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Installation of ATLAS software



- Begin with one OSG ITB-site IU_iuatlas, then add others
- ATLAS-software installation on ITB site (CE)
 - ATLAS releases (kits) 9.0.3 and 9.0.4
 - KitValidation package and JobTransforms 9.0.3.7, 9.0.3.9, 9.0.4.2, 9.0.4.3
 - GCE-server installation (including most recent trf-wrappers)
- Installation/configuration on the submit host
 - Capone-executor 1.6.19
 - GCE-client 0.6.3 (vdt 1.3.0)
 - Windmill 0.9.15
 - Corresponding modifications in configuration-files (tc.data,pool.config.xml, capone.ini)
- Installation tool – pacman 3.0.2
- Preliminary verification with ATLAS possible in 1 hr. after ATLAS installation

ATLAS application to test



- Type of application job to start with
 - Start with digitization jobs
 - 50 events,
 - ~400 Mb memory
 - < 1 hour CPU (2GHz)
 - input ~40-200Mb; output ~100-200Mb
 - start testing with 20-40 jobs on IU_iuatlas
- use Capone simulated job definitions and subsequent ATLAS ORACLE ProdDB
- use BNL SE
- Next steps
 - use other OSG ITB sites
 - use another type of application (G4-simulation, reconstruction jobs)
 - increase the scale (number of jobs)
- test new functionality (dcache, SRM, etc).