

OSG

Area Coordinator's Report: Workload Management

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Workload Management: Overview

- **Areas of Activity:** ITB, Engagement , upgrade of Panda monitoring
- **Current Initiatives**
 - Panda/ITB:
 - Continued use of “ITB robot” to run test suite via Panda
 - Code is being tested for glexec integration at FNAL (Jose)
 - Plans to have a web service for data archiving and plotting (Jose, Suchandra)
 - Engagement:
 - South American Initiative: plans for a workshop (Jose)
 - DUSEL Long Base Neutrino Experiment (LBNE), and Daya Bay: set up Condor-C pilot submission to Panda, testing
 - They don't have resources to set up a gatekeeper for Condor-G
 - Condor-C is a special case and requires extra setup.
 - CHARMM: expansion of job submission to more sites
 - 26 more sites are being set up (Jose, Tim, Alden)
 - SBGRID – performed Panda setup (Maxim, Alden)
 - SBGRID decided to stay with the more familiar Condor submission, in the form of glideinWMS



Workload Management: Overview

- **Areas of Activity:** ITB, Engagement , upgrade of Panda monitoring
- **Current Initiatives**
 - Upgrade of Panda monitoring system (Maxim)
 - Item 2.2.4 of the OSG WBS
 - Need to upgrade realized in Atlas and OSG a while ago, in discussion and presentations at BNL and CERN
 - Equally important to improve usability for non-Atlas VOs
 - Finalized technology choice as Django server back-end, JSON data container and AJAX/jQuery front-end
 - Created a prototype of “Production Monitor Tool” which is a satellite system for Panda (now in further development at CERN)
 - Started migration of Panda monitoring system to the new platform (created a Django/AJAX/jQuery prototype)
 - Presented at Atlas Monitoring Meetings
 - Plans for integration with CERN Analysis Dashboard (jobs need to be instrumented with messaging agent)
 - Mics:
 - Panda section of the “OSG Job Submission Document” completed (Dan, Maxim, Brian)

Panda Monitoring Development (AJAX/jQuery UI)

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://localhost:8000/main/#

Getting Started Latest Headlines

Panda Monitor

Welcome Production Analysis **Pilots**

Submit Hosts Queues

Name	Nickname	Host	Supported Systems	Log Files
grid.dpcc.uta.edu	atlas_dpcc_uta	atlas.dpcc.uta.edu	glidein osg pbs	/data73/grid3-1.1.11/barnett/
atlas002.uta.edu	atlas002	atlas002.uta.edu	osg lc-g-cg pbs glidein	/atlas-grid/TestPilot/scheduler
newcern.cern.ch	atldbdev	atldbdev01.cern.ch	lft glidein	/data/wenaus/scheduler
atlddm33.cern.ch	atlddm33	atlddm33.cern.ch	osg lc-g-cg condor glidein	/afs/cern.ch/user/w/wenaus/work/schedlogs
ccicgatl02.in2p3.fr	lyon	ccicgatl02	osg lc-g-cg condor glidein	/var/www/html/autopilot/logs/scheduler
condor-g-1.cs.wisc.edu	Wisconsin	condor-g-1	osg lc-g-cg pbs glidein	/home/tim/panda-osg/logs/scheduler
condorg.triumf.ca	TRIUMF	condorg.triumf.ca	osg lc-g-cg glidein	/home/atlas/Panda/autopilot/logs/scheduler
LMU pyfactory	LMU	etpgrid01.garching.physik.uni-muenchen.de	lc-g-cg glidein	unused
grid.dpcc.uta.edu	UTA	grid.dpcc.uta.edu	pbs glidein	/data73/grid3-1.1.11/apps/umesh/schedlogs
gridgk01.racf.bnl.gov	gridgk01	gridgk01.racf.bnl.gov	glidein osg condor	/usatlas/prodjob/share/schedlogs
gridgk02.racf.bnl.gov	gridgk02	gridgk02.racf.bnl.gov	glidein osg condor	/usatlas/prodjob/share/schedlogs

Done

Overview

Workload Management

- **Issues / Concerns**

- Panda monitoring upgrade is a key element of improving usability of Panda for both Atlas and other organizations, and is a priority
- First deliverable expected in July
- WBS item 2.2.3.2: Panda data movement - is stalled (manpower)