OSG
Area Coordinator's Report:
Workload Management

June 3rd, 2010

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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
      o They don't have resources to set up a gatekeeper for Condor-G
      o Condor-C is a special case and requires extra setup.

    - CHARMM: expansion of job submission to more sites
      o 26 more sites are being set up (Jose, Tim, Alden)

    - SBGRID – performed Panda setup (Maxim, Alden)
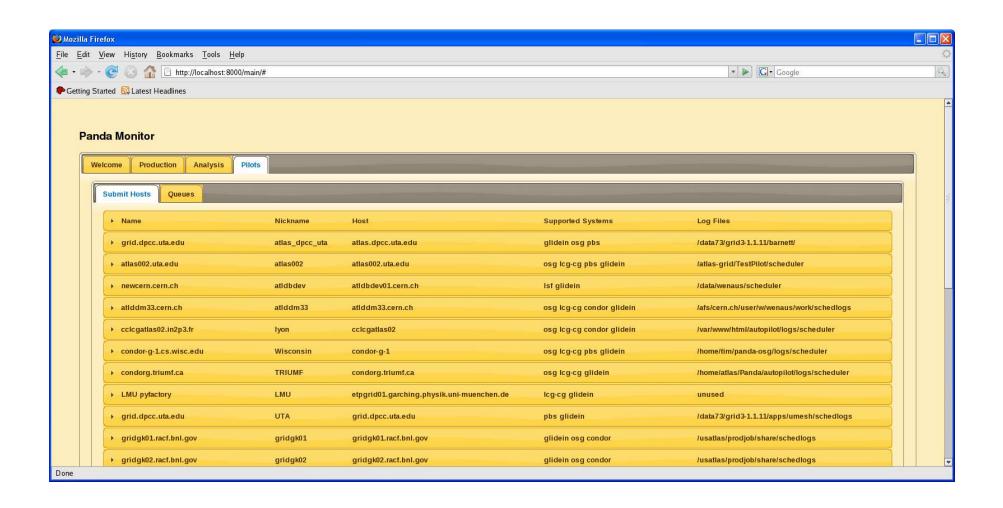   o SBGRID decided to stay with the more familiar Condor submission, in the form of glideinWMS

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)

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)