

OSG

Area Coordinator's Report: Workload Management

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Overview

Workload Management

- **Areas of Activity:** Engagement , Datahost, upgrade of Panda monitoring, ITB, MyOSG, WLCG
- **Current Initiatives**
 - **Engagement: DUSEL Long Base Neutrino Experiment (LBNE), BNL group**
 - Held a series of meetings
 - Had a demonstration session on Panda job and pilot submission (J.Caballero, M.Potekhin)
 - Datahost accounts created, will be used as data transport in mid-term operations
 - Enthusiasm on part of this potential VO, technical coordination
 - Daya Bay: a separate project with overlapping personnel and expertise, plans to progress in parallel with LBNE
 - Will start as part of Engagement VO, will turn into proper VOs later
 - **Engagement: UW Milwaukee**
 - Previously filed a formal letter of support from OSG
 - Recently, NSF grant application “recommended for funding”, pending approval now
 - **Datahost**
 - Production server instance operational for over a month, no issues
 - **Panda/ITB**
 - Ran a limited suite of ITB test jobs in Panda (BNL, UoC)
 - Working to configure Panda queues to include more sites
 - Automated feed of OIM/MyOSG data into Panda scheduler configuration, work in progress, pending code commission in other Panda components
 - **Upgrade of Panda monitoring system and moving it to a modern platform**
 - Joint project with ATLAS members based at CERN
 - Had a series of consultations, a backend prototype tested
 - Choice of technology for front end (Google Web Toolkit (GWT) vs jQuery etc)
 - Plans for thinner server and thicker client, to minimize load on the Panda monitoring server (which can be an issue) – e.g. to avoid sub-queries and do queries in bulk instead
 - **WLCG interoperability**
 - Met with CERN/WLCG personnel and representatives of LHC experiments, discussed an additional upcoming site auth/auth platform, Argus
 - Active Panda testing deferred until at least January, we have been given credit for our prior SCAS testing effort
 - Acted as liaison between Atlas Grid Information System Team (AGIS) and OSG, more coordination to follow

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- **Accomplishments Since Last Report**
 - Successful engagement work with DUSEL/LBNE
 - Datahost commissioned
 - Initial Panda/ITB setup done
 - Panda monitoring – prototyping and design work, in coordination with Atlas (but of wider interest than just Atlas)

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- **Issues / Concerns**
 - Timely completion of Panda/ITB framework
 - Panda monitoring upgrade likely to have a scope that would require more manpower to get it right
 - Need for specialized monitoring pages for ITB and non-Atlas VOs