

ATLAS startup schedule at UVic

Complete:
Cluster is ready – (simple) jobs can be run
Torque/moab setup (generic queues)
HEP image has been created and is running on serial nodes
Users are all defined (except LCG accounts) and syncing to WestGrid LDAP
GPFS has been setup and home directories created
WestGrid environment has been setup
Installation of NFS server for LCG (atlas, ops, dteam) home dirs
Setup PAM config for user logins on all cluster nodes
PostGres set up for dCache SE
Configuration of VLANs on management network
Moved off of temporary PDUs (during which system was down for a day)
Finish network configuration (VLANs in Force10 switch)
Install Chimera, finish dCache SE (on SL5)
Create LCG home dirs on local disk
dCache 4 pool nodes ready
New site registration
LCG CE installed and configured
Added 224 TB storage space to dCache pool nodes
Installed ATLAS worker node software (on NFS server and mounted on worker nodes)
Moab configured for ATLAS (Fairshare running, queues created)
Reserved SRM space allocations and created dCache space tokens

Status for last week
Completed by May 21 st
Set up updates for CAs in NFS directory mounted on worker nodes
Specify Fairshare allocations
MON box and MySQL installed (SL4 gLite 3.1)
Solved several problems affecting SFTs (firewall rules, groups.conf, BDII info, 64bit libs, gridmap files)
Challenges
GPFS node(s) killed all traffic on the BNT network again (Spanning tree loop?)

Tasks scheduled to be complete by Friday May 28
Verify Site Functional Tests – ongoing
Install Squid server (Use new Squid rpm release. Allow access from other Canadian sites)
ATLAS software installation once SFTs are successful (TRIUMF)

To do
Set (directory-level) ACLs for space tokens
Load/performance testing of dCache
Verify APEL accounting
Configuration of MON box
Modify user creation script for LCG home dirs and node startup script to configure local disk
Set up dCache movers based on protocols
Add support for vo.racf.bnl.gov VOMS server on WNs

Last updated on 24May2010