



IPv6 task force report

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Outline

- Status and plans for ATLAS
- Status and plans for CMS
- Highlights from the HEPIX IPv6 F2F meeting

Status and plans for ATLAS

- Panda and Pilot development machines (being) made dual stack
 - Working towards submitting workflows through system
- NDGF T1 has added dual stack storage to AGIS, some HC test jobs accessing it
- ATLAS will work under the assumption that CE, will be either IPv4 or IPv6, while SE will be either IPv4 or dual stack
 - Will start looking at testing FAX works with dual stack machines

Status and plans for CMS

- Data management
 - Continue to operate the GridFTP testbed using globus-url-copy and the PhEDEx LifeCycle agent to send files around a full mesh of sites (eventually move to FTS3)
 - currently working sites are: CERN, Caltech (which is physically at CERN, outside the firewall), Chicago, DESY, FNAL, FZU, INFN, KIT, NDGF, PIC
 - Expand the PhEDEx testbed to more storage technologies
 - Current sites: IC, Glasgow; planned: PIC, QMUL, Nebraska
 - Consider enabling AAA on IPv6
- Workload management
 - IPv6 CEs at Nebraska, FNAL, UK
 - Basic Condor-G submission tests being run
 - Plan to set up a glideinWMS instance on dual stack to submit to these CEs
 - Due to a Condor limitation all WNs must use the same IP protocol (patch estimated around summer)

Highlights from the HEPIX IPv6 F2F meeting

- @CERN: DHCPv6 enabled on all nodes in Meyrin and Wigner (incl. WNs)
- Xrootd 4.0.0.RC1 released
- Plan to contact the perfSONAR task force to discuss using pS to monitor IPv6 links
- Agreed to encourage sites to try enabling dual stack on their SEs
 - Higher priority because in storage federations they could be accessed by IPv6 WNs
- Preparation for the June pre-GDB on IPv6
 - Will summarise all issues observed in the various middleware components, in particular SEs, CEs and batch systems