

# OSG Storage for VDT

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# Group Activities

- Packaging, certification
  - dCache, community tools
  - BeStMan
  - Xrootd, xrootdfs, gridftp-xrootd
  - Hadoop, gridftp-hdfs
  - Storage and transfer gratia probes
  - SRM clients (LBNL, Fermi, LCG)
- Administrator and User Support
- Auxiliary development
  - Gratia probes
  - Discovery tools
  - Automated test suites
  - Utilities scripts
- Public storage provision
- Documentation
- Participation in ITB testing
- ATLAS and CMS T3 support
- Liaison to storage developer groups

# Public Storage Requests

- Request for public storage
  - SCEC
    - 3 TB of storage space
    - 200 runs
    - 500 jobs per run
    - Job duration ~ 30 minutes
  - Fly's Eye
    - 20 TB of storage place (can do with 5TB per site)
    - Run for 1 year
    - Job duration 24-48 hours
  - D0
    - 500 GB
    - 100 – 800 jobs
    - Job duration ~ 9 hours
  - IceCube
    - ~15 GB persistent at site
    - ~1GB per WN.

# Progress so far

- SCEC
  - is successfully running at Omaha, Nebraska
  - Tried Caltech for several times but failed due to preemptive policies
  - Negotiating with U Florida is underway
- D0
  - Running on multiple sites, needs 3 – 4 sites more
- Fly's Eye
  - 5 TB is allocated in Omaha and Lincoln

# Public Storage Availability

- The access to the site SEs requires a lot of negotiation and verification.
  - We need to streamline this process. (Blueprint meeting may help)
- BDII SE information is not reliable:
  - 16 VOs are advertising support for Engage VO for SE
    - Managed to write file ONLY to 3 of them (2 others have been fixed since then)
      - Bogus information in BDII (surl, port, end points, size)
      - Site is not configured properly
  - We need to figure out how to clean up this data

# DMS Inquiry

- Several people (VOs) asked about service that allow file transfer between OSG sites
- We have started investigation:
  - FTS
    - Requires ORACLE
    - Run only on SL4
    - Maintenance and support requires significant efforts
  - Globus RFT
    - Not supported any more by Globus
  - PhedEx ?

# Need Help

- Organize campaign to clean up BDII information and configuration for SE
- Develop comprehensive procedure and policies to set up and maintain public storage