

PHENIX dCache Status



PHENIX dCache Upgrade

- **Namespace**

- Migrated from PNFS to Chimera
- Postgres upgraded to 9.5

- **dCache version**

- Upgraded to 3.2 (latest Golden release)

- **OS version**

- 1 Core server SL7
- 8 write pools SL6 (will be upgraded soon)
- Read pools in linux farm SL7



Current status

- **Remaining issues - all resolved now**
 - Name space Mount – could not change tags and configuration files
 - Writing to dCache
 - File Hopping
- **Monitor/Debug/Tune the system**
 - Functionality test
 - Write/Read/Hop/Pin/HSM interface
 - Performance test



Remaining tasks (not yet done)

- **To be managed by legacy expert**
 - Convert pools to Berkeley DB metadata (Done)
 - OS upgrade to SL7 for 8 write storage pools
 - Add new PHENIX storage hosts to production



Remaining tasks

- **To be managed by current storage team**
 - Split off and/or replicate services to other hosts
 - Test & deploy NFS4 service
 - Backup/Tune Chimera database
 - Add monitoring (grafana) and other administration scripts
 - Add billing database
 - Puppetize all services
 - Add new storage hosts when they are available (summer?)

