

PSS



Database BOF Session

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- Feb/March - ATLAS Conditions Data Challenge
 - All phase 1 sites expected to join
 - ATLAS grid jobs accessing Tier 1 replicas
- March - All phase 2 site setups complete
 - TRIUMF, SARA, NDGF, PIC available for experiment tests
- April - LHCb Conditions Deployment
 - All LHCb database sites participating
 - LHCb grid jobs accessing Tier 1 replicas
- Meeting Schedule
 - Weekly meeting with all Tier 1 sites Thu 16:00
 - Friday this week - 3D mini workshop @ CERN



- Tier 1 licenses acquired
 - Experiment and grid service request should be covered at all T1 sites
- License payment and signed agreement forms received from most sites
- LCG Support ID has been created by Oracle
- Now creating accounts for Oracle support (MetaLink) created for all T1 database contacts
 - access to Oracle s/w, patches, security upgrades and problem database
 - allows to file problem reports directly to Oracle

- Started discussion during September workshop at CERN
- Tier 0 backup and security policy proposals have been prepared by M. Girone
 - Proposal presented at 3D meetings
 - Need feedback from experiments and sites
- Expect to use updated/adapted proposal also for database services at tier 1 sites



- Baseline (unchanged since November '05 GDB)
 - ATLAS T1
 - 3 node db server, 300 GB usable DB space
 - LHCb T1
 - 2 node db server, 100 GB usable DB space
 - CMS T1+2
 - 2 squid server nodes, 100 GB cache space per node
- ATLAS
 - R. Hawkings collected COOL requirements and proposed a model for total volume and client accesses - preliminary number: some 1.7 GB /day
 - J. Cranshaw gave first numbers for TAGS
 - some 4 TB /year (not including indices), access not clear yet
- CMS and LHCb
 - Currently no major upgrades requested



- ASGC, BNL, CNAF, GridKA and RAL deploy 2-node servers for ATLAS and/or LHCb
 - check scalability with many clients for ATLAS
- IN2P3 provides a shared setup for ATLAS and LHCb
 - check interference between experiments
- TRIUMF is first phase 2 site ready to join!
 - SARA is currently under test, may join this month
- NDGF - currently setting up a single node DB and acquiring final h/w
- PIC - h/w for initial cluster available, recruiting database administrator



- LFC replication via streams between CERN and CNAF in production since November
 - Requested by LHCb to provide read-only catalog replicas
- Stable operation without major problems
 - Several site interventions at CNAF have been performed
 - Site restart and resynchronisation worked
 - Rate compared to conditions rather low
- In contact with LHCb for adding other sites as required