ATLAS Computing @ RZG

Status

Stefan Kluth, 26.09.05

Operation: hardware

- Repeated disk failures in fileservers

  - about 25% now (Maxtor 7Y250M)

- Suppliers actively investigate the problem

  - 12 new disks on loan in mpp-fs4 (ATLAS)

  - no problems so far

  - also no problems with "old" disks

  - server room at RZG now at 18° C

- Still plan to increase disk capacity

  - 15 TB on six servers, cost ca. 30 k€

Operation: SGE

- Batch queue management

  - reminder: functional shares 10/30/30/30 for users/ATLAS/MAGIC/GRID

  - please use resource requirements for RAM and CPU time

    - qsub -l v_hmem=2G

    - qsub -l h_cpu=1:00:00

  - SGE selects correct queues

  - queue changes will be transparent to users

Operation: network

- Recently afs problems
  - timeouts mostly on large files
  - HEC simulation production disturbed
  - similar problems observed by MAGIC
- Suspect network equipment
  - investigation ongoing
- Power cut at RZG last Sunday
  - the last power cut killed the network switch

LCG @ MPI/RZG

- still almost ready

- upgraded to LCG 2.6

- "we" (FZK, RZG) are fixing small bugs

- tests with MAGIC done

- ATLAS tests soon (we want you!)

- RZG is member of "Kern-D-Grid"

  – install grid sw incl. LCG/glite

- Plan to be on Grid for FZK school and DC3

Munich Tier-2

- Collaboration MPI/RZG/LMU/LRZ

- average ATLAS Tier-2 a la ATLAS cm

  - 542 kSi2k CPU and 238 TB disk for 2008

  - serves ca. 20 "power users"

  - 0.5 avTier-2 as Tier-3 for MPI & LMU in addition

- MOU between MPI/RZG/LMU/LRZ in preparation

- Sign LCG MOU

Summary

- Follow-up of hard disk failures

  - hopefully conclude this month

- Network problems, power cuts at RZG

- LCG@RZG is making progress

- Planning for Munich Tier-2 centre