ATLAS Computing @ RZG

Status

Stefan Kluth, 24.07.06

RZG Status

- Hardware

  - running fine ...

- Operation

  - still intermittent afs problems

    - please report problems! support@rzg.mpg.de, cc to skluth@mppmu.mpg.de

- Software

  - ATLAS offline 12.0.0 installed

  - upgrade inplace to 12.0.0?

LCG @ MPI/RZG

- LCG status

  - certified since 31.05.2006 ☺

  - upgrade to LCG 3.0/glite

  - integrate "srm" functions (dcache)

  - use new MDT calibration fileserver

- LCG operations

  - support by RZG sysadmin (A. Barragatti) and FZK expert (A. Garcia)

  - need 1 (2x0.5) FTE at MPI

    - data management

    - LCG maintainance and upgrades

Resource requirements

- Analyses and MDT Calibration
  - Higgs (2006): 190 kSi2k CPU, 29 TB disk
  - SUSY (2007): 50 kSi2k CPU, 10 TB disk
  - Cal. (2006): 30 Si2k CPU, 10 TB disk (5 exist)
- Nominal ATLAS Tier3 (2008) MPI share
  - 135 kSi2k CPU, 57 TB disk; less for 2007
- Comments:
  - CPU way above ATLAS cm expectation
  - need more discussion ...

New hardware at RZG 2006

- CPU

  - IBM BladeCenter (Intel/AMD?), 28 CPUs

- Disk

  - ca. 20 TB ATLAS general + ca. 3 TB MDT

  - "integrated" or FC RAID systems+headnodes

- Start tendering now

New OS Debian sarge

- New OS: Debian Sarge

  - partially deployed, users happier after improvements

  - Upgrade tests with "Praktikant"

    - kernel 2.6.17, xorg 2.6.9, kde 3.5, pmount

    - works fine, more tests, not deployed yet

- Now move remaining systems

- Please communicate feature requests and problems