

ATLAS Computing @ RZG and MPP

Status

Stefan Kluth, 09.10.06

RZG Status

- Hardware
 - running fine ...
- Operation
 - please report problems! support@rzg.mpg.de,
cc to skluth@mppmu.mpg.de
- Software
 - ATLAS offline 12.0.3
 - dcache storage available
 - please ask for access rights via support
 - investigate direct access from MPP

LCG @ 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 new RZG sysadmins (R. Dohmen, C. Guggenberger) and FZK expert (A. Garcia)
 - currently lack of experience
 - currently problems with outdated certificates

New hardware at RZG 2006

- CPU
 - IBM BladeCenter (Intel/AMD)
 - 40kSi2k \simeq 28 CPUs
- Disk
 - 25 TB, RAID5, 50 MB/s per TB
 - DAS, NAS, SAN, ...
- Deadline for offers 10.10.06
 - lots of interest from vendors
- Buy more if extra money is available ...

MPP ATLAS computing

- Currently fragmented
 - some people use fileservers iwsatlas1 (MDT, HEC), some (SCT) use local accounts
 - hardware orders not always coordinated
- We are one ATLAS group
- Proposal
 - One server with 5 TB RAID6 for accounts
 - other RAID5 servers for local data storage
 - afs (preferred) or nfs
 - local PCs with debian linux image

MPP: New OS Debian sarge

- New OS: Debian Sarge
 - work on kernel and X11 update (2.6.16, xorg6.9)
 - integrated feature requests
 - still plan to convert **all** ATLAS PCs
- Tests with new FSC AMD PCs
 - better performance/price ratio
 - order simply via Rahmenvertrag BW (SBS)
 - need recent kernel, current image not ok
 - wait for debian etch release (soon, end 2006)