

ATLAS Computing @ RZG

Status

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Operation: hardware

- Repeated disk failures in fileservers
 - 16 disks of 96 (Maxtor 7Y250M0)
 - Y63xx: $14/70 = 20\%$
 - Y64xx: $2/27 = 7\%$
 - at least 2 times loss of filesystem during RAID rebuild under load
- one Maxtor Y64 disk broken at MPI
 - another system at MPI runs stable under load
- Supplier actively investigates the problem
 - we provide information, log files etc.

Operation: batch jobs and Grid

- ATLAS MC production running
 - now have 40 active jobs/user
 - 140 slots in total
- Changes to batch queues
 - priority queues for organised production
 - p.* queues, only users nectar and rwagner
 - high-mem queues for jobs > 1 GB RAM
 - high-mem, only users nectar and rwagner
 - other CPU of same node blocked
 - e.g. pile-up MC, full ATLAS reco

LCG @ MPI/RZG

- Strong interest from MAGIC
- Will receive help from FZK (and MAGIC)
 - install LCG remotely on servers at MPI
 - deal with setting up certificates
 - we put SLC3 as OS
- Issue of batch queue system at RZG
 - LCG can't handle SGE, ok with PBS, lsf
 - RZG can't handle PBS or lsf
 - investigate LCG/EGEE to SGE interface

Summary

- Follow-up of hard disk failures ongoing
- ATLAS MC production running
- Investigate additional 2 GB RAM/node
 - ca. 200 Euro/GB \Rightarrow 5,6 kEuro/Chassis
- (Slow) progress with LCG