Topics

- News
- GRID
- Upgrade Linux Farm
- Security
IT - News

• New Head of the IT Division: Mathias Muench
• TI Division adopts WIKI for collaborative work

Windows - News

• Exchange 2003 in production – no major problems

Unix - News

• New People
• Upgrade of the Batch Farm
  • Software: Upgrade to Debian Sarge in Progress
  • Support for 64 Bit Debian
• Hardware: new 64 Bit Dual Core Opterons
Storage - News

• Migration from Windows Data-Mover to Linux
• Migration from Windows TSM server to UNIX server
• Upgrade of the IBM 3494 library with SAN attached drives IBM3592 with 500GB => >1 PB end of the year

GRID - News

• GSI participates at the ALICE service challenge

SPAM - News

• User defined rejection of Spam at the Server
• Greylisting for automatic selected Domains
• Spamassassin 3.1.0
=> SPAM is not longer a problem at GSI
GSI Grid Setup

Supported VOs:
ALICE, DECH, DTEAM
PANDA, (CBM)
Batch Farm

Software: Upgrade to Debian Sarge
- File server: Partly done
- Central services: Partly done
- 1 Batch queue already running Debian Sarge
- Test systems with 64 Bit Debian for public use

Hardware: Upgrade to Dual Core Opteron
- Limited space in computer center
- 140 1 HE barebones: 560 new CPU's
Batch farm upgrade

- Dual Core 2.2/2.4 Ghz
- barebones 1HE
  - Same manufacturer barbone/board
- 4GB, 4 hot swap slots, 3.4kE
- 2 x 160 GB disks
- No fans on board
- Air cool system
- 40 boxes/rack
  => 160 CPU's/rack
- Air cooled/closed doors
- No thermal problems
- 140 new boxes

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Filesenser

- Very reliable
- SATA 3W9500
- 15 slot hot swap
- redundant power supplies
- No Fans on mainboard
- Air cool System
- WD raptor disks 73 GB
- ~ 7 TB RAID 5

=> New user Home system

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SATA Experience, update

- 3HE Supermicro Server: very reliable
  - > 2 years, > 50 server (central services, data)
- 3W9500: fast, very reliable
- Maxtor II plus, 250 GB: very reliable, not longer produced
- WD raptors: very fast, very reliable

Outlook:
- Data mover => migration to 3HE SATA server
- Testing 3w 9550 SATA controller
  - 9500: > 110 MB/s writing RAID 5 (measured W.Schoen)
  - 9550: > 380 MB/s writing RAID 5 (PR Division 3W)
    => testing parallel access .... ;-)
- Testing SATA WD 320 GB RAID Edition
Security

- Problems with “traveling” Laptops
- Migration from VPN to Terminal server to avoid VPN for “all”