CHIPP Computing Board Meeting

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Paul Scherrer Institute

04/19 2007 / CHIPP Comp Board Meeting

Feichtinger (Paul Scherrer Institute)

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- Status of current cluster
 - new Hardware
 - new storage system: dCache
 - new OS on WNs: SLC4
 - Orientation on procurement process
 - procedure status
 - current architecture proposals

Decide on fate of old nodes (Xeons from 2004) SOLVED!

- WAN network requirements
- CSCS Personnel changes
- next (larger) CCB meeting
- a.o.b.



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Until we get our *Phase A* upgrade we will be using the CSCS prototype Grid cluster that CSCS acquired using their own funds. We have full use of it since the problems of last year caused the failing of last year's procurement

System composition:

- 26 SUN Fire X2200 (104 cores)
- 2 SUN Fire X4200 (Service nodes)
- 1 SUN "Thumper" X4500 24TB
- +1 "Thumper" financed by CHIPP funds



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We run dCache in the configuration pioneered by DESY and now also used by IN2P3.

- Head node must be Linux (for SRM service). We use one of the WNs for now
- Storage pool nodes: Thumpers
 - running Solaris10
 - pools on ZFS file system, using RAIDZ
- dCache offers these access protocols
 - SRM (WAN)
 - gridFTP (WAN)
 - dcap
 - gsidcap GSI-authenticated dcap (still some problems)
 - xroot (new! Still some problems)

up-to-date information is available at

https://twiki.cscs.ch/bin/view/LCGTier2/DCacheInstall

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SLC4 for gLite clusters is late in coming

- only SLC4 WN packages available; all other service nodes only available as SLC3
- Our new nodes were configured with SLC4 from the beginning, since SLC3 kernels had driver issues anyways
- Our old Xeon nodes are now upgraded to SCL4
- Was not able to upgrade CMS experimental SW area due to SLC4 build unavailability. But Pete Elmer told us we would be one of the test sites

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- March 28th Kickoff Meeting SUN/CSCS/CHIPP
- April 16th CSCS proposal for acceptance procedure (given to SUN)
- April 23rd SUN proposal for architecture
- May 2nd Next meeting SUN/CSCS/CHIPP to finalize proposal
- try to get the final offer as soon as possible after that

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Other issues

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