



INFN-T1 status report

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Finally...

SCDB!

Smooth migration from cdb

- Used a test quattor server
 - During summer tested portability
 - Solved all corner cases due to legacy templates still in db
 - Convinced people that changing was worth the effort
 - Mixed feedback from users
 - See my separate presentation on this

Upgrades

- Quatview now working
- Symlinks for new quattor naming convention committed
- New templates for partitioning HDs
- Storage requires ethernet bonding
 - Apparently not supported by standard templates?

Monitoring and alarms

- Currently lemon is deployed only on storage nodes
 - Legacy alarm and accounting system on the farm
- Lemon templates downgraded due to some compatibilities issues
 - Have to find some time to investigate
 - Storage guys are very conservative
- Nagios in the same situation
- Have to find a way not to create a separate branch
 - Even more time needed ☹️

Status

- 3852 templates on scdb
- 19 clusters
 - 1 legacy with non standard templates
- 13 scdb users
- 1 quattor+svn server
- 1 dedicated frontend

OSes

- SLC4x is still the most used
- SL53 (no CERN version) is catching up
 - Used as a base for glite 3.2 nodes
- Recent security issues “allowed” us to upgrade kernels
 - Question: how do you deal with this?

Glite

- glite 3.1 is still the most installed
- glite 3.2 slowly emerging
 - Several VOs still have to validate the software
 - CMS successfully tested
 - Atlas, Alice and LHCb will start tests shortly
- Still using yaim to configure grid elements
 - This is not going to change...

Virtualization

- CNAF developed a solution to deliver Worker Nodes on demand using virtualization technology
- KVM chosen as hypervisor
- All nodes are installed using quattor
 - No special configurations are used
 - Currently VMs are treated as standard machines
 - KVM specified as hardware template
 - Special grub kernel option to deal with time sync
 - No connection between hypervisor and VMs so far
- Xen still used for some machines, but we are going to phase it out soon

Quest project

- Probably we are the only site not involved
☹
 - ...but it's not my fault!
 - Hope to be able to collaborate, unfunded