



INFN-CNAF T1 Quattor status

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Situation compared to last WS (1)

- Introduced 1.3, but a lot of templates still to be adapted to the new schema → **conversion going on smoothly, Marco Emilio taking care of storage nodes (several clusters created)**
 - Storage people very happy
- NIKHEF schema “ported” to CNAF → **helped a lot during these months**
 - Lemon schema imported directly from QWG
- CEs installed on 64bit OS, to improve memory usage, thanks to Michel workarounds
 - Successfully tested 64bit WN, will be put in production soon

Situation compared to last WS (2)

- Several new WNs added after last tender
 - 224 dell blade nodes

- We reached the scalability limit of a single http server for rpm installation
 - Configured squid reverse proxy on every rack
 - A secondary server will be installed soon

Situation compared to last WS (3)

- Xen studied and tested → **LHCB-T2 runs entirely on xen VM (CE, SE, MON, ...)**
 - Using quattor to configure profiles
 - Dom0 managed by hand, preferred solution
 - Several virtualized Grid Elements have been installed on CNAF-T1 site
- To create and test Grid Element rpm lists
 - checkdeps, requires a specific version of yum
 - Virtual Node, creates a reliable working rpm list from g.e. meta-package

Marco Emilio @CNAF

- Will continue to support core development
- Will help translating many templates to new schema
- Almost finished his last year @ CNAF

Some problems

- Latest updates introduced some problems
 - Ncm-cdispd dies unexpectedly
 - Hard to understand why
 - Scatters problems on the farm
 - Logging sometimes faulty
 - Heavily buffered, apparently sometimes is truncated
 - Spma reports success and ncm-cdispd reports error on certain situations

CDB vs SCDB

- We are thinking to migrate
 - We need the advanced logging features of latest panc, not available with cdb
 - Useful for template inclusion tree
 - Is cdb still supported?
 - QWG templates would not be adopted in the beginning
 - Need to investigate very well the impact on the users

Main concerns

- Is Marco Emilio staying with us?
- Who will take care of the core release?
 - Development of cdb
- CNAF is very short on staff members and temporary contracts will be reduced
- Even if several local documentation was written, quattor still seen as “the bad guy who deletes rpms and configurations”