



# **INFN-CNAF T1 Quattor status**

Andrea Chierici

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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”