



Quattor @ CERN quick status update

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- Quattor instances in production at CERN-CC
 - + “Main instance”: 5096 (+1K w.r.t. 10/06) nodes (non-desktop) over 89 clusters
 - + *Linux for Controls*: ask Matthias for details
 - + Experiments are setting up their own instances :-)

- Desktops partially “quattorized”
 - + Common profile externally managed
 - + Installation via YUM
 - + Some services managed by *LCM* (local interface to Quattor's NCM, independent of CDB)

- Main instance setup:
 - + CDB
 - Custom template set still based on flat pseudo namespaces
 - YAIM for LCG install
 - Multi-core CPU support (soon distributed profile compilation)
 - Replicated server for high availability under study
 - + SPMA + SWRep-SOAP
 - Extended authentication capabilities: *CERN-NICE*, *X.509* and *KRB5*
 - + CDB2SQL + Oracle
 - + CCM
 - SSL-based secure transfer of profiles ready
 - + Client installation through legacy program, **not** All

- Release management
 - + 99%-automated process :-)
 - + *ETICS* integration to come soon
 - + *Savannah* bug tracker management could be integrated

- Default templates set
 - + Ready for **namespaces**
 - Automatic conversion of NCM components' templates available
 - Conversion of CERN-CC templates discussed but not done yet

- Core modules developed
 - + CCM, CDB, CDB2SQL, NCM framework, SPMA, SWRep, wassh

- Secure profile transfer over SSL
 - + In production for batch nodes
 - + Lemon alarms + CCM fail-over in case of certificate expiration
 - + More powerful hardware needed!

- Xen-based virtualization
 - + Quattor integration via `ncm-xen` under testing on *SLC4 i386*
 - `x86_64` support not ready
 - Not fully automated yet

- Miscellanea
 - + integration of Quattor services with *SLS* (Service Level Status) to come soon
 - + No ongoing activity with *SL5* (no more interest by Linux Support)

 **quattor**

<http://quattor.org/>