



Quattor@CERN

Véronique Lefébure
For CERN IT-FIO/FD

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Deployment status overview

- Quattor instances in production at CERN:
 - “Main instance”: 7500 profiles
 - +1200 wrt Oct. 2008
 - Of which ~1900 not Quattor-managed:
 - ~200 “standalone” machines (openlab, testbeds,...)
 - ~300 OS not supported (solaris, windows)
 - 745 enclosures (670 twin and 74 blade systems)
 - 220 diskarrays
 - 60 diskshelves
 - In 134 clusters (-6)



Deployment status overview

- Main Instance Setup (CERN CC)
 - CAKE version: cdb-2.1.9-1 (ready for PAN v8)
 - Panc-v6 still used, panc-v8 ~fully tested on 7518 profiles on a 4 CPU box:
 - V6: time (sec): 1185 (real), 3044.72 (user), 465.69 (system)
 - V8: time (sec): 1059 (real), 3526.28 (user), 171.79 (system)
 - Issues (all solved now, is there any more?):
 - Stages
 - "\n"
 - splice()
 - push
 - pkg_del
 - Use of RECORD type (ncm-httpd,-tomcat,-xdk)
 - No way to move to v8 in stages (test-preprod-prod) ?



CERN-CC-specific activities

- Xen-based virtualisation
 - Support for SLC5 hypervisors ready.
 - Will start looking into migration management
- Number of CDB users
 - 65 acl groups (+5)
 - /var/lib/cdb/auth/cdb.acls: ~15000 lines (=)
- Package lists templates
 - Use of package lists from comps.xml
 - Will start working on automation
- CDB2SQL
 - Python version fast but buggy (cdb2sql-dist) (waiting for manpower available to have it fixed, probably easy)
 - Reverted to cdb2sql-ora (perl)