Quattor Usage @ Nikhef

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Clusters	4 clusters, 1 site
Administrators	5 → 6
Machines	~300 → ~475
Servers	1 server, 2 repository mirrors
Configuration	SCDB 2.3.1 + local changes
Compiler	8.2.8
Virtualization	Xen:7 → 12 hosts, 38 → 48 guests
Monitoring	Nagios: 1 master, 3 slaves

- Few developments in Quattor
  - Moved infrastructure to new data centre
    - Only decent hardware, more virtualization
    - Quattor server @ CentOS-5 x86-64, quatview, checkdeps
    - Middleware: towards gLite 3.2
- New:
  - ncm-gmetad, ncm-gmond (Ganglia)
  - QWG-compliance new templates; refactoring
- Monitoring / Nagios
  - QWG-ish hierarchy, NCG generator for grid probes
- Virtualization
  - BiG Grid investigating WN virtualization
  - OpenNebula, kvm?

- Kernel updates / installed kernels
  - Will look at work by Michel, CERN
- Ncm-xen
  - Reboot host $\rightarrow$ ncd failure
  - (Reboot guest $\rightarrow$ hanging after shutdown)
- Rpmt-py
  - Installation of multiple versions of same pkg failing (apr)
  - Adding 2rd is fine