



quattor usage in Grid-Ireland

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Grid-Ireland quattor statistics

Sites	17 external, ~5 internal
Active admins	7
Managed machines	446 (+38 since March)
Quattor servers	20
Configuration repository	SCDB
Average commits/day	5.39
Virtualization	Xen (38 hosts, 129 guests)
Compiler	panc 8.2.1
Monitoring	Nagios, Lemon



Developments and issues

- Monitoring expanded (see monitoring talk)
 - Nagios deployed
 - Local sensors + read in EGEE SAMs
 - Lemon errors fed to Nagios
- panc 8 now in use
 - Logging features already invaluable
- Configured iSCSI+RAID storage (aggregating WN disks)
- Issues and future work
 - Would like equivalent to WN speedup integrated in compiler (dummy workaround is too fragile)
 - Dependency checker now incompatible with our SL4 server!
 - Get network, filesystems, IPMI under quattor control
 - Configuring cross-site redundancy for core services (drbd+Xen)
 - Get all TCD admins actively contributing to quattor community



How I gathered stats

- Current count of machine profiles:

- `svn ls -R $GI_REP_URL|sed -n \
'/profiles\/*\.tpl$/p'`

- Historic number of machine profiles:

- `svn ls -r {2008-03-17} -R $GI_REP_URL |sed -n \
'/profiles\/*\.tpl$/p'`

- Number of Xen hosts:

- `find build/xml/ -name '*.xml.dep'|xargs grep -l 'xen/host'|wc -l`

- Number of Xen guests:

- `find build/xml/ -name '*.xml.dep'|xargs grep -l 'xen/guest'|wc -l`

- SVN checkin stats:

- <http://mpy-svn-stats.berlios.de/>