



quattor usage in Grid-Ireland

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March 2009





Grid-Ireland quattor statistics

Sites	17 external, ~5 internal
Active admins	7
Managed machines	465 (+29 since October)
Quattor servers	20
Configuration repository	SCDB
Average commits/day	7.09
Virtualization	Xen: 46 (+8) hosts, 164 (+35) guests
Compiler	panc 8.2.4
Monitoring	Nagios, Lemon, MonAMI, Ganglia, pbswebmon



Developments and issues

- Monitoring expanded further (see monitoring talk)
 - Nagios: adding local probes, writing component for EGEE NCG
 - LEMON: upgrade to lemon-web on SL5
 - MonAMI fed into Ganglia (DPM, Torque)
- Tools
 - **checkdeps** more or less working with new SL5 server
 - **quatview** actively used and extended (in SCDB repo)
 - **panc** 8.2.4 now in use: debugging and logging useful
 - **SCDB**: merged “hierarchical sites” model, tweaked VOMS roles
 - **ncm-accounts**: Fixed bug - massive speedup
- Issues and future work
 - Would **still** like equivalent to WN speedup integrated in compiler
 - Get network, filesystems fully under quattor control
 - Consistent scheme for monitoring in QWG



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/>