



Quattor usage in Grid-Ireland

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Usage summary

- 18 distributed sites managed (~ 400 nodes)
- Single SVN repository (~ 6 active users)
- Replicated software repositories (web servers) at sites
- Custom deployment servers



Recent developments

- Migration to SVN DB complete
- New compute resources deployed
 - ~40 Condor VMs
 - Dedicated grid cluster
 - 96*8-core; SL 4 x86_64; gLite 3.1
 - Installed Dec '08
- Installation of Lemon monitoring
 - Just at TCD site
 - Still exploring features



Recent developments

- Xen config. tidied up and checked into QWG
- Testing panc v8
- Developing GraphXML output format for template dependencies in panc v8
- Range of new machines installed
 - Portal server (pGrade)
 - Data management
 - Local middleware (Webcom)
- New users actively contributing



Grid-Ireland QWG usage

- Structure
 - QWG pulled in via svn:externals
 - “Current” pointer to certified revision
 - “trunk” pointer for development
 - Site hierarchy – local target
“compile.sites”
 - 95% of local templates namespaced
 - Use Stijn’s “dummy” WN speedup
 - Needs a little care but massively faster



Issues

- Lemon monitoring is great but need to do more work on integration
- Deployment of OS errata (esp. kernels)



Goals (from Oct. 07)

- Finish migration to subversion (SVN) **Complete**
- Deploy new cluster **Complete**
- Upgrade core services (repository, etc.) on new hardware (VM) **Some upgraded**
- Get ops team (4-5 people), up to speed **Ongoing**



Current goals

- Get the most out of Lemon
 - Deploy more sensors and set up alarms
 - Especially IPMI for temperature etc.
- Bring more core services (web server, etc.) under Quattor control
- Improve Quattor skills of ops team
- Migrate to gLite 3.1 for CE, SE, etc.