

Site report: AUTH

*QWG Meeting
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Overview

- Staff changes
- Changes in templates
- Developments and future thoughts

Staff changes

- Hired an admin for 2 months
 - Got involved with Quattor structure
 - Made contributions to many site templates
 - Created the machine template for an imap-mailbox server
- Hired an admin (still works with us)
 - Created templates for lustre file servers
 - Configuration for lustre clients
- The knowledge transfer succeed

Changes in templates

- Starting a migration action from “cfg/local” to SCDB sites
 - lots of frozen code
 - lots of site customizations
- This lead to:
 - a few commits to QWG repository :(
 - a lots of code merge with QWG updates
- Work in progress

Changes in templates

- Introduced a “-devel” SCDB cluster for each production SCDB cluster and a “devel” SCDB site for development and test configurations
- Introduced a “future_qwg” SCDB site for changes that are ready to be committed to QWG till they appear branch version of QWG
- Introduced the “QAD” SCDB site
- Grouped SCDB clusters based on gLite version

Our SCDB cluster structure

- 3 SCDB cluster groups
 - glite 3.1
 - glite 3.2
 - non-grid (not really exists but in plans till the end of the month)
- SCDB clusters per machine criticality
 - WNs
 - Site Services
 - Core services
 - XEN hosts

Developments

- Ganglia configuration
 - based on SCDB cluster
 - based on Network configuration
 - Still depends on ncm-filecopy -> BAD
- XEN configurations
 - Frozen to a template configuration about a year ago
 - Safely removed Host dependancy on Guest

Developments

- Templates for new machine types
 - gLite Hydra
 - generic machine types (non-grid)
 - details later
 - work in progress
- Quattor Asset Database (details later)
 - yet another Quattor profile viewer
 - Allow very basic operations
 - work in progress

Developments

- Monitoring
 - Site level
 - based on EGEE's OAT work
 - Integration with QAD
 - work in progress
 - NGI/ROC/Project level
 - Integration of the EGEE's OAT nagios
 - Work in progress

Issues / Future thoughts / concerns

- Get rid of “cfg/local”
 - hopefully, added features will be committed to QWG
- Sync with QWG
 - still one-man-show
 - find a proper workflow that everyone could use
 - what are other doing?

Numbers...

- 21 SCDB clusters
- 7 SCDB sites
- 144 nodes being fully managed
- Full compilation on my laptop
 - a little bit more than 4 mins
- Full compilation on our Quattor server
 - about 4 mins including the post hooks

Thank you

Questions?