

QWG Templates Update

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- gLite 3.1.0-5 just released
 - Many fixes/improvements, including NFS v4 support
 - gLite 3.1 updates and finalized WMS support
 - gLite-3.0 branch considered obsolete
 - Only the VOMS server has not been ported yet to 3.1
 - gLite-3.2 branch not yet created because gLite-3.2 is late
 - First version (WN) expected next week, will require SL5
 - Unable to find the time to tag a new 'no-grid' release
- Improvements and cleanups in Xen templates
- OS: addition of SL 4.7
- Monitoring: addition of Nagios v3 templates by IRFU
 - Different approach from current Nagios templates, done by F. Schaer and C. Leroy
 - Need to discuss how/if to merge : see QWG and monitoring
- **Require panc v8**

- NFS v4: doc still to be written... but almost nothing to do !
 - Can configure both v3 and v4 on the same server
 - Require a major release of ncm-nfs with an incompatible schema change
- VO configuration based on CIC Portal
 - Proper handling of VOMS server certificate upgrade but certificate-less configuration not yet ready
 - Was not supported by WMS so far
 - Support for pool accounts for specific FQANs
- Template for CA RPMs provided by IGTF
 - No longer generated by QWG
 - Distributed as is in QWG SVN /External/CAs
- Torque 2.3.6 : fixes a lot of stability issues, in particular in large CF

- Urgently need templates for VOMS server and CREAM CE
 - CREAM CE may require a few fixes in WMS ICE config
- Support for SCAS (server-based LCAS/LCMAPS)
 - Pre-release available, top on my priority list...
 - Also the new authz service from gLite planned during Spring...
- Review account management using LDAP and a more flexible allocation of UIDs
- CE and LRMS on different nodes
 - Torque/MAUI first : main problem is GIP configuration
 - Already in use at IBCP (Lyon) : will review exact change needed based on their experience
- Support for SGE : driven by a South-African site just starting

- In last workshop, it was called "Short Term Plans" ..
- Rewrite SPMA functions with path auto-escaping
 - Removal of the main loop to find the package in pkg_XXX
 - Should lead to a significant perf improvement as called $O(1000)$ by node
- Finalize support for errata
 - SPMA: ignore previously installed versions of some packages even though they are no longer part of configuration
 - Will help for Java too: only one version part of the configuration but other ones installed will be kept
- Move xxx_CONFIG_SITE to be executed first
 - Allow to define variables before their actual use
 - In gLite 3.2: may require some local changes
- Redesign/rewrite directory-sync ?
 - Support non-Linux OS, don't rely on a complex 'find'

- Several contributors to templates
 - Christos and Eric joined as regular contributors...
 - Mine often hides contributions from others at GRIF
 - <http://grid.ie/svnstats/QWG>
- Need to encourage more contributions
 - Not necessarily for “big things”: HW template, miscellaneous changes, fixes...
 - Ask for a SVN account: philippo@lal.in2p3.fr and jouvin@lal.in2p3.fr
- Areas where contributions are required:
 - Support for new machine types : requires more “experimented people”
 - Configuration of monitoring tool
 - Iptables support/integration : need to review/document what exists and what is missing
 - dCache templates: used to be done by Stijn



- From last workshop : releases are useful only if reasonably up-to-date
 - Require at least 1 every 2 months for gLite
 - Doing a release is a significant amount of work: documentation, change log, ticket closing... (~2 hours)
- Still failed in the last 6 months : only release was yesterday
- No real impact on sites as the branch is considered production released
 - Announcement done at every major change in the branch
 - Significant testing before merging trunk changes into a branch
- Release are important for visibility
 - A second release manager would help. Volunteer ?

- A critical component for usability and confidence
 - Stephen did a significant review after last workshop
- A few new contributors: Stephen, Luis... More needed
 - It's important to fix mistakes you find
 - If you are unsure of your contribution, ask somebody to review it
 - There is a page history: this is easy to revert a change in case of mistake...
- Review of existing/missing part required
 - Producing and reviewing must be done by different people
 - Lack of quick-start pages still remains



- From last meeting : improve coordination with YAIM maintainer(s)
 - Quattor recognized as one of the major configuration framework for gLite
 - EGEE SA3 has no expertise and no manpower to support/contribute Quattor framework but interested by sharing ideas and a better coordination
 - Private discussions with O. Keeble 6 months ago...
 - Not much concrete progress on this because of lack of time
 - At least the “this is not YAIM” syndrome has disappeared
- Significant time spent in NCM component maintenance
 - Attempt to rewrite components with `getTree()` API every time a “significant” change is required
 - Time-consuming testing to asses the behaviour is the same



- PIC (Barcelona) moving from Quattor to Puppet
- New users in new continents : Africa and Asia
 - South Africa : 2 sites currently starting with QWG
 - In addition to Senegal
 - China (Beijing) : LCG T2, with help of Eric Fede
 - Korea interested... but have started without Quattor
 - Tokyo T2 is using « CERN Quattor » but may be interested to join QWG
- Europe:
 - France: new distributed site in South of France (Montpellier)