

Quattor: core modules status update

5th Quattor Workshop

INFN-CNAF Bologna

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◆ Support for namespaces

- New CDB with a *deploy* mechanism (see presentation):

- Based on "stages": test/, dev/, prod/
- New commands cp, mv, deploy available

In production @ CERN. Is anyone else using this feature?

◆ CDB2SQL backend

- ...

No progress: still alive?

◆ SWRepSOAP

- Only minor enhancements

Collaboration with BARC is over: new maintainer needed!

◆ CCM

- Accept foreign profiles

Collaboration with BARC is over: new maintainer needed!

quattor ...Major CERN developments

- ◆ Release and build tools framework
 - Minor enhancements
- ◆ Release 1.4 will follow CERN
I'll keep maintenance
 - Main novelty is All 2.0
- ◆ NotD
First release in CVS
 - Based on was: alternative to standard dispatch mechanism.
 - Already in production @ CERN (?)
 - Anyone else interested?
- ◆ Manpower reduced
 - What's the development strategy now at CERN?
 - No new collaboration foreseen with BARC
 - I'll keep developing at CNAF :-), though <100%

- ◆ CDB
 - See dedicated presentation
- ◆ PAN Compiler
 - Slow-down due to cloning of global variables prevents CERN from adopting the Java-based compiler. Workarounds are under discussion
- ◆ Generic
 - Develop a generic, plugin-based login and authentication library [28607]
 - Developers' conventions and perl coding style document [28607]
 - Provide a common logging service [#28607]
 - ▶ A module - CAF::RepLogger - for generic applications is now available. It allows to create a reporter/logger instance without needing the whole CAF application framework.

No progress

Still hot topic

WIP

- ◆ Only bug fixes
- ◆ Maintainer needed!
- ◆ Wish list:
 - De-privilege CCM execution [#17673]
 - Add flag for disabling CCM updates [#21170]

- ◆ `cdispd`. Maintainer needed! Wish list:
 - add global activation switch [#13484]
 - improve handling of pre dependencies [#23814]
 - should be restarted after changes in modules [#27529]

- ◆ `ncd`. Maintainer needed!
 - Support for `NOACTION_SUPPORTED` and `--skip` (German)
 - Wish list:
 - Provide a way to force the reconfig of a node [#7791]: could NotD be used?
 - Generic provides'for NCM components [#17681]
 - Establish relationship between NCM-component RPM version and config info [#21204]
 - Add a new component dependency type to run a component as the last one [#27532]

- ◆ `template`
 - No changes

- ◆ No framework's changes.
- ◆ Wish list:
 - More control on component execution:
 - ▶ Enforce `LC::Process?` With caveats (see bug #31194)
 - ▶ Wrappers for standard functions such as `open()` in order to log what files are getting modified, what was the final decision on `CAF::Log?`
 - Automatic skeleton creation via build tool?

- ◆ Adopted the new layout for file systems and block devices (Luis)
- ◆ New properties to `/system/glite/config` (Michel)
 - `GLITE_USER`, `GLITE_GROUP`, `GLITE_X509_PROXY`
- ◆ New property `set_hwaddr` to `/system/network` and `/system/network/interfaces/xxx` (required by `ncm-network`) (Michel)
- ◆ Spma-specific functions moved to `ncm-spma` component (Cal)
- ◆ The standard pan templates (functions, types, units) have been documented on the QWG wiki (Cal). The URL for the section is:
 - <https://trac.lal.in2p3.fr/LCGQWG/wiki/Doc/panc/stdtpl>

◆ SPMA/rpmt

- Maintainer needed!
- No new developments
- Wish list:
 - formatting of SPMA output [#6203, #16825]
 - spma should upgrade, and not deinstall/install, a package when arch is changed AND version is changed [#19934]
 - spma gives up at the first IO error [#29029]

◆ SWRepSOAP

- Maintainer needed!
- Support for base64 encoding
- Support for RPM signatures
- Wish list:
 - Improve message when attempting to add duplicates [#16652]

quattor *Tools and other developments*

- ◆ Cdb-tpl-view + pangraph
 - See CDB update
- ◆ Quattor release management
 - See dedicated presentation

 quattor

<http://quattor.org>