Quattor: core modules status update

5th Quattor Workshop

INFN-CNAF Bologna

03/2008

Presented by Marco Emilio Poleggi – INFN-CNAF
Major CERN developments...

- Support for namespaces
  - New CDB with a deploy mechanism under testing (see presentation):
    - Based on ‘stages’ test/, preprod/, prod/
    - New commands cp, mv, deploy available

- CDB2SQL backend
  - ...

- SWRepSOAP
  - Only minor enhancements

- CCM
  - Accept foreign profiles

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

No progress: still alive?

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**Major CERN developments**

- Release and build tools framework
  - Minor enhancements
- Release 1.4 will follow ASAP
  - Main novelty is All 2.0
- NotD
  - Based on `wasA`, 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%
Developers’ and users’ wish list

- **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 [link]
  - Developers' conventions and perl coding style document [link]
  - Provide a common logging service [link]
    - 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
quattor  CCM module

- Only bug fixes
- Maintainer needed!

Wish list:
- De-privilege CCM execution [#17673]
- Add flag for disabling CCM updates [#21170]
quattor  NCM modules

❖ 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?
Pan-templates

- 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:
SPMA, SWRep

- 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]
Tools and other developments

- Cdb-tpl-view + pangraph
  - See CDB update

- Quattor release management
  - See dedicated presentation