quattor



Quattor: core modules status update

6th Quattor Workshop

Nikhef - Amsterdam

10/2008

Presented by Marco Emilio Poleggi -INFN-CNAF

Quattor Developers'and users'wish list



CDB

- See dedicated presentation
- PAN Compiler
 - Entitlement feature
 - Leaner logging options
- Generic
 - Developers' conventions and perl coding style document [#23236]: it's evolving :-)

quattor CAF and LC libraries



CAF

- Adding the ability to log to syslog, as well as old-style logs [Luis].
- New module, Process.pm, which wraps LC::Process and allows to log the commands run, at the verbose level [Luis]
- Reporter: restored singleton behavior [^m'e]
- ReporterMany: new class allowing multiple reporter objects [^m'e]
- RepLogger updated to use CAF::ReporterMany [^m'e]
- New module, FileWriter, for wrapping file writing operations [Luis]
- LC updated to the latest Lionel's releases. To be polled frequently for new releases.

quattor *CCM module*



- Fixes and new features:
 - Added new getUnescapedName() and unescape() [Luis].
 - Fixed the constructor of EDG::WP4::CCM::Configuration to get rid of taint warnings [Luis].
- Wish list:
 - De-privilege CCM execution [#17673]. No progress.
 - Add flag for disabling CCM updates [#21170]. No progress.

quattor NCM modules



- cdispd.
 - Redirected output to avoid selinux-related problems [Veronique]
 - Wish list:
 - request for something like /etc/noncm [#43246].
- ncd.
 - NCM::Check extended with 'noaction' option for overriding the global flag [^m'e]
 - Sanitized the component's name on NCD::ComponentProxy so that it runs without warnings with -t [Luis]
 - Making NCD/* inherit from CAF::ReporterMany, which keeps them thread-safe [Luis].
 - Wish list:
 - should run in perl "taint" mode CDB-supplied data cannot be trusted [#37445]
- template
 - No changes

quattor *NCM components*

INFN CNAF

- No framework's changes.
- More control on [Luis]:
 - component execution via CAF::Process
 - File handling via CAF::FileWriter

quattor *Pan-templates*



- All exensions [Luis]
 - hooks
 - templates for filesystem layouts in /site/filesystems
 - minimal All configuration for site/ and os/i386_sl3/
 - new description for hard disks and RAID controllers, with its validation functions
 - support for "bridges" on /system/network/interfaces.

quattor *SPMA, SWRep*

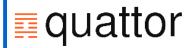


- SPMA/rpmt
 - Tolerate warning messages in the rpm query, without stopping execution, unless rc<>0 [German]
 - Wish list:
 - spma just warns for failing RPM scripts [#41881]
- SWRepSOAP
 - Archive and unarchive commands, template command now ignores archived packages

Quattor *Tools and other developments*



- Pangraph + cdb-tpl-view ready for namespaces and navigation via panc logging information
- Checkdeps
- QuatView
- Tools review: see Stephen's presentation.





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