

Wp4-install report

German Cancio

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Agenda

- ◆ Current status
- ◆ Deployment
- ◆ Dissemination & Support

AII: current status

- ◆ Architectural design finished
- ◆ First beta version delivered
- ◆ More testing required yet

NCM: current status

- ◆ NCM: First 'public release' version available
 - ncm-ncd and ncm-query
 - Beta version of Cdispd released
- ◆ Enhanced configuration libraries
 - NCM::Check
- ◆ Porting/coding of *base* configuration components started
 - Infrastructure components (SPMA, grub)
 - Demo component
 - Components for LCG-1 worker node setup
 - more than 60 components would need to be ported for having a *complete* EDG solution (configuring all EDG middleware services)!
- ◆ Pilot deployment on CERN central interactive/batch facilities started
 - CERN wants to completely phase out its legacy configuration tool (SUE) for RH10

SPMA & SWRep: current status

- ◆ Stable production versions **available and deployed**
 - For RH7/RHES2.1, working on RH10
 - SPMA Solaris PKG module integrated (together with IT/PS)
- ◆ SPMA: demonstrated production quality @ CERN CC
 - LSF 4 to LSF 5 update
 - Almost weekly security and infrastructure updates
 - Bugfixes discovered and fixed
 - More than 1100 new nodes running it since May
- ◆ RPMT: work in progress for rpm4.2 (RH10/Fedora/RHES/..?)
 - Requires almost complete re-engineering

Others

◆ Build tools:

- Improved build tools available (evolution of DICE build tools)
- Simpler component building (no makefile, no specfile)
- Works for Linux and Solaris
- EDG and LSB directory compliant

◆ New CVS area

- Moved all modules to [EDG CVS] / edg-quattor
- Converted to new build tools

Deployment

Edg-lcfg:

- ◆ Integral part of 2.X release
- ◆ No fundamental changes in architecture
- ◆ Bugfixing, ongoing support channel (component writing, installation etc)


Quattor:

- ◆ Used by CERN computer centre (next slide)
- ◆ Other sites (eg. Liverpool) interested as well
 - But this will require their active participation, as support is given to the individual components, but **not** as a service oriented solution
- ◆ General status: [OK] according to Technical Annex
 - But requires foolproof re-reading of TA

Deployment @ CERN CC

- ◆ Ongoing deployment: Managing >1300 nodes in the Cern CC
 - RH73, RHES21; RH10 to come
 - CPU nodes, tape servers, disk servers, infrastructure servers
- ◆ Completely phased out legacy SW distribution systems (including ASIS) on the central batch/interactive servers (LXPLUS&LXBATCH)
- ◆ NCM pilot started on LXPLUS/BATCH
 - 4 production nodes running it
- ◆ Server clustering for scalability (SWRep)

Dissemination & Support

- ◆ Found a name for R3 config&install:  quattor
- ◆ Web site:
 - Set up complete web site <http://quattor.org>
- ◆ Tutorials:
 - Quattor tutorial at HEPiX: SPMA and SWRep
 - Quattor tutorial at Heidelberg conference: NCM and SPMA
- ◆ Support:
 - Ensured for quattor@cern, but: LCG? EGEE?
 - EDG LCFGng: no support from CERN