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