



Enabling Grids for E-scienceE

CERN Status

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CERN Grid Deployment

www.eu-egee.org



- **Arrivals**
 - Felix Ehm
 - Juha Herrala

- **More detailed talks later**
 - Distributed testbed (Louis)
 - SL4, ETICS (Laurence)
 - Yaim (Gergo)
 - Documentation session (Oliver)

- **LCG build system for legacy components**
 - To be phased out during the year
- **gLite build system**
 - Used for the gLite-3.0 branch
 - To be phased out during the year
- **ETICS**
 - Used for the gLite-3.1 branch
 - Will be finished around August 2007

- **Priority: glite 3.1 on SL4 x86**
 - WN available, UI in certification, WMS under way
- **Integration procedure**
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/IntegrationProcedure>
 - Yum repository for SL4, apt for SL3
 - Integration scripts to automate the procedure
- **Progress monitored on the Integration Dashboard (Node build status etc.)**
 - <http://grid-deployment.web.cern.ch/grid-deployment/cgi-bin/reports.cgi?action=index>
- **Clean up of metapackages (UI, WN)**
- **GGUS support provided by CERN certification team has rotating first level support.**

- **Yaim 3.0.1 branch**
 - Support for DNS like Vos
 - Job priorities
 - Many more features
- **Yaim 3.1 branch**
 - Default for SLC4
 - glite-UI, glite-WN already available, WMS next
- **Merge of 3.0 branch into 3.1 (will then also configure glite 3.0)**

- **Different hardware: x86, x86_64**
- **Different OS: SLC3, SLC4, SL4**
- **More hardware just arrived to accommodate different HW/OS combinations.**
- **The introduction of the new CERN firewall caused problems. Many machines were no longer accessible from outside CERN and had to be opened step by step.**

- **We set up a CA issuing “Test User” certificates and also a dedicated VOMS server**
 - More security for automated tests.
 - Allows to test different scenarios (roles, different users etc.)
 - Rpms are not installed automatically. This causes problems as they are easily forgotten and tests thus fail.
- **A TWiki page explains how to join the distributed testbed**
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/EGEETestbeds>

- **SAM is being used successfully, the easySAM portal has been developed to suit the needs of the certification testbed.**
- **A central test result page has been set up**
 - <https://twiki.cern.ch/twiki/bin/view/LCG/TestResults>
- **Contains results of**
 - Automated tests: SAM, SRM, DPM
 - Manual tests: glite-CE, WMS, LFC, FTS-SRM
 - Tests at GRNET (Torque, yaim)
 - Tests at INFN (patches)
 - Tests at PIC (Condor)
 - Tests at TCD (RGMA)

- **Test writing guidelines have been improved**
 - “Adding new tests and publishing results with SAM”
- **SAM documentation page has been set up**
 - <http://sam-docs.web.cern.ch/sam-docs/>

- **Tests developed**
 - UI testsuite
 - SRM v2 (S2 testsuite)
 - VOMS tests
 - WMS tests (parametric jobs, interactive jobs)
- **Manual testing**
 - WMS (until March 07)
 - glite-CE

Component	Available tests	Responsible
BLAH	5 tests for basic functionality	INFN
Batch systems	Scripts for Torque	GRNET (Torque), INFN (LSF), PIC (Condor), CESGA (SGE)
CE	19 tests	CERN
glite-CE	19 tests, manual test result page	CERN
DGAS	5 tests	INFN
DPM	41 tests	CERN
FTS	7 tests	CERN
Information System	1 basic tests	INFN (until 04/07), CERN
LB	4 tests	ULB
LFC	2 tests, 2 API tests, LFC performance test page	CERN, LAL

Component	Available tests	Responsible
MyProxy	1 test	CERN
RGMA	RGMA test result page, source code auditing	TCD, PSNC
RB	edg-tests suite	CERN
SE	3 tests	CERN
SRM v.2	S2 testsuite, SRM2 test in DPM testsuite	CERN
UI	Extensive testsuite testing all commands listed in the user guide	CERN
WN	Tested by (glite-)CE and UI tests	CERN
VOMS	28 tests, source code auditing	
WMS	3 tests, glite version of edg-tests, WMS test result page	CERN, IMPERIAL, CSIC (WMPProxy)

List of available tests (with explanations and link to CVS):

<https://twiki.cern.ch/twiki/bin/view/LCG/SAMTests>

- We treat about 5 patches per week (certified, rejected, obsolete)
- Until now 12 patches were treated by partners.
- The certification process is explained on the Twiki
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/CertTestBedWorld>

- **SA3 phone conference once a month. All minutes available**
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/EGEEMeetings>
- **“SA3 Coordination” group in Savannah**
 - Tasks assigned to partners, comments are visible for everybody
 - <https://savannah.cern.ch/projects/sa3-coordination/>
- **SA3 progress page**
 - Detailed view of the partners' contribution.
 - <https://twiki.cern.ch/twiki/bin/view/EGEE/SAthreeProgress>