

EMI 1 (Kebnekaise) - Status



Cristina Aiftimiei (INFN)

EMI Release Manager

WLCG GDB

CERN, 09 November 2011

- EMI 1 planned products updates
 - http://bit.ly/all_active_tasks
- Near/next Update
 - <http://bit.ly/EMI1UpdatesReady>
- EMI 1 products releases under preparation
 - <http://bit.ly/EMI1UpdatesOpen>

- [Update 8 – 14.10.2011](#)

- Minor releases:

- *ARC CE, Clients, Core, gridftp server, Infosys v. 1.1.0*
- *MPI v. 1.1.0*

- Revision releases:

- *APEL parsers v. 1.0.1 & dCache v. 1.19.12-10*

- [Update 9 – 03.11.2011](#)

- Minor releases:

- *L&B v. 3.1.0 and StoRM v. 1.8.0*

- Emergency Release:
 - APEL publisher [v. 3.2.8](#)
 - *Security Vulnerability* – [RT #504](#)
- Major Release:
 - CREAM (S)GE module [v. 1.0.0](#)
 - together with Revision Release of BLAH, v. [1.16.3](#)
 - *Both certified*
 - *Under testing in few volunteer sites (details in next slide)*

- SGE support in CREAM finalised
- Internal certification finished on 07/11
- Currently being validated by a number of WLCG sites to avoid unnecessary delays after official release
 - LIP, Imperial College (confirmed)
 - NGI-Fr and QMUL (available, but TBC)
- As soon as external tests are finished, will be available from the EMI production repository

- Next normal update – 24 Nov. 2011:
 - [DPM](#) & [LFC](#) v. 1.8.2 – minor release
 - *Support for SEmsg; log to syslog & GLUE2 support*
 - *improved scalability of all frontend daemons*
 - *faster DPM drain & better balancing of data among disk nodes*
 - GFAL/lcg_util [v. 1.11.19](#) – revision release
 - *is-interface - memory corruption & consolidate file names & wrong dependency on Globus*
 - *removal of gSOAP log file generation; lcg-cr & lcg-cp with list of bdi's issue*
 - UNICORE UVOS [v. 1.5.0](#) – minor release
 - *GLUE 2 WS endpoint, UVOS client & server src.rpms*
 - *Bug fixes for the initdb script*

- Future:
 - CREAM [v. 1.13.3](#) – revision release
 - *Sometimes CREAM does not update the state of a failed job*
 - *YAIM fixes; JobDBAdminPurger cannot purge jobs*
 - *No info published by the lcg-info-dynamic-scheduler for one VOView*
 - Hydra [v. 1.0.1](#) – major release
 - WMS [v. 3.3.4](#) – revision release
 - *ICE doesn't send the iceld to CREAM*
 - *WMS stops accepting jobs after 31999th submission for the same DN (on ext3) –workaround is to use ext4*
 - *WMS 'hangs' after several hours of operation*
 - *Configuration issues (yaim) - wrong permissions, Glue2 template*
 - *Submission to ARC CEs doesn't work*
 - *Collections stuck in submitted state & "CA certificate verification failed"*

- [UMD 1.3.0](#) (31.10.2011)
- EMI 1 products not in UMD
 - Unverified:
 - *APEL parsers v. 1.0.1, MPI v. 1.1.0, L&B v. 3.1.0, StoRM SE v. 1.8.0*
 - Stage-Rollout failures:
 - *MPI, StoRM v. 1.7.1, WMS*
 - Not planned for inclusion:
 - *AMGA, LFC_oracle, VOMS_oracle, FTS*

- Early availability – once the code is frozen:
 - EMI testing:
 - `dist/EMI/testing/{1|2|3}/<platform>/<basearch>`
 - [.repo file](#) available
 - Instructions: <http://www.eu-emi.eu/emi-1-kebnekaise>



Installation Notes

All EMI products are distributed from a single [repository](#) having the following structure:

- EMI production (stable): `dist/EMI/1/s15/<basearch>/{base|updates}`
 - stable and signed, well tested software components, recommended to be installed on production-sites
- EMI testing: `dist/EMI/testing/{1|2|3}/<platform>/<basearch>`
 - packages that will become part of the next stable distribution; in the certification and validation phase and available for technical-previews
- Third-party: `dist/EMI/1/<platform>/<basearch>/third-party`
 - packages that are not part of EMI, but are currently not part of the base OS or EPEL

<basearch> can be currently i386, x86_64, SRPMS, tgz

All EMI packages are signed with the EMI gpg key. The public key can be downloaded from [here](#), and the fingerprint from [here](#).

It is **strongly recommended** the use of the latest version of the [emi-release](#) package containing the public key and the yum `.repo` files, that ensures the precedence of EMI repositories over EPEL

- Schedule for SL6 porting preparation:
 - Nov., 1st 2011
 - *VOMS - voms, voms-devel, voms-java-api* - **OK**
 - *gLite Information System: - bdii, glue-schema, glite-info-provider-[service|ldap]* - **OK**
 - *gLite Security - lcas|lcmaps, Trustmanager* - **OK**
 - Nov, 7th 2011
 - *CESNETSecurity - gridsite-[shared|apache], glite-security-gsoap-plugin, glite-security-gss, glite-px-proxyrenewal* - **OK**
 - *gLiteL&B (OK), DGAS, APEL, ARGUS (services + pep-java + pep-c* - **OK**)
 - Nov., 14th 2011
 - *Argus (libpep-c), lcmaps-c-pep-plugins* - **OK**
 - *gLExec-wn* - **OK**
 - *CERN Data management*
 - *ARC (OK), AMGA, CREAM, dCache, MPI (OK), StoRM, UNICORE, WMS*

- NB results – 72%
 - http://bit.ly/NB_1_dev
 - details per product:
 - <https://twiki.cern.ch/twiki/bin/view/EMI/EMI1Updates#Schedule>
- First EMI 1 products expected to be available for SL6/x86_64:
 - BDII, L&B, *VOMS*

- Work in progress
 - scripts ([glite-release-bundle](#)) to be understood & adapted, technical details to be clarified (PabloG & DavidS)
 - configuration (yaim) and documentation to be checked and adapted:
 - [WNTarInstall](#)
 - [UITarInstall](#)



Thank you

EMI is partially funded by the European Commission under Grant Agreement
INFOS-RI-261611