EMI 1 (Kebnekaise) - Status

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EMI 1 Updates – General Links

• EMI 1 planned products updates

• Near/next Update

• EMI 1 products releases under preparation
Latest EMI 1 Updates

• **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*
Next Updates

• 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)
Status of CREAM SGE Support

• 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
EMI 1 upcoming releases

• 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 bdii’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
EMI 1 upcoming releases (cont.)

• 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 iceId 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”
EMI Products not yet in UMD

- **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
Testing repo

• Early availability – once the code is freeze:
  – 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/sl5/<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 lastest version of the emi-release package containing the public key and the yum .repo files, that ensures the precedence of EMI repositories over EPEL.
SL6 porting status

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

• NB results – 72%
  – details per product:
    • [https://twiki.cern.ch/twiki/bin/view/EMI/EMI1Updates#Schedule](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
UI/WN tarball support

• 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

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