EMI 1 (Kebnekaise) - Status

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WLCG GDB
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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 Update

• **Update 10 – 24.11.2011**
  – Major release - *CREAM GE module, v. 1.0.0*
  – Minor releases:
    • *DPM/LFC v. 1.8.2 & UNICORE UVOS v. 1.5.0-1*
  – Revision releases:
    • *APEL publisher v. 3.2.8*
    • *BLAH v. 1.16.3 & CREAM v. 1.13.3*
    • *GFAL/lcg_util v.1.11.19*
Next Update

• Update 11 – 15.12.2011 -
  – minor releases:
    • gLite MPI, v. 1.2.0
      – Affinity support in mpich2 with hydra
      – several new configuration directories/files for mpi-start
      – NFS4 is not detected as shared fs
    • UNICORE Gateway6, v. 4.2.0
      – source rpms, improvements in Gateway logging
      – make the maximum SOAP header size configurable
Next Update (cont.)

• revision releases:
  – StoRM SE, v. 1.8.1
    • StoRM BackEnd memory consumption grows indefinitely & source rpms
    • GridHTTPS-S (server) and GridHTTPS-P (plugin)
  – UNICORE XUUDB, v. 1.3.2-3
    • source rpms & fixed default logging configuration file
  – WMS, v. 3.3.4
    • ICE doesn't send the icelId 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 1 upcoming releases

• Next normal update – 19th Jan. 2012:
    • dcap, gsidcap, kerberosdcap
      – Improve logging in case of errors during GSI or Kerberos sessions.
      – Fix race condition that could occur during shutdown
    • pool, admin, xrootd, webdav, ftp, poolmanager, gridftp, kerberosftp
      – Ensure forward compatibility of the HTTP mover.
      – Fix several HTTP compliance issues & several race conditions
      – Add glob support to the NLST command. This allows mget to work in some clients
    • provider
      – Fix GLUE2 compliance & race condition in getcellinfos command
      – Improve documentation in configuration defaults.
      – Fix well known cell name resolving when using JMS messaging.
      – Added a plugin directory to dCache.
EMI 1 upcoming releases (cont.)

• **UNICORE Client6, v. 4.2.0** – minor release
  – UCC/BES: Display BESFactory existence via ucc system-info; command line options for alternative uftp networks
  – Better upload semantics with UCC: target directories & make the UCC support directory transfers

• **UNICORE Registry6, v. 4.2.0** – minor release providing source rpms

• **UNICORE TSI6, v. 4.2.0** – minor release
  – server support for "project" tag for accounting purposes & support for umask-like feature

• **UNICORE/X6, v. 4.2.0** – minor release
  – source rpms & scp support for data staging
  – publish information about jobs per queue
  – server support for "project" tag for accounting purposes & support for umask-like feature
• Early availability – once the code is ready:
  – [https://twiki.cern.ch/twiki/bin/view/EMI/EMIBetaAcceptanceTesting](https://twiki.cern.ch/twiki/bin/view/EMI/EMIBetaAcceptanceTesting)
  – access to interested parties to earlier stages/ phases of the software development:
    • *beta phase* - through participation in *EMI Beta Testing* activity, using the *testing/* repository
    • *release candidate phase* - through participation in *EMI Acceptance Testing* activity, using the *deployment/* repository
EMI Products not yet in UMD

• **UMD 1.3.0** (31.10.2011)

• Next – UMD 1.4.0 (19.12.2011)

• EMI 1 products not in UMD

  – Unverified:

    • *DPM/LFC v. 1.8.2, L&B v. 3.1.0*

  – Stage-Rollout failures:

    • *MPI, StoRM v. 1.7.1, WMS*

  – Not planned for inclusion:

    • *AMGA, LFC_oracle, VOMS_oracle, FTS*
EPEL compliance

• To monitor EPEL compliance, RPMlint is now a primary static analyzer:
  – Initial analysis has shown 60% of packages can easily meet the RPMlint requirement, requiring only small changes to each package
  –
  https://twiki.cern.ch/twiki/bin/view/EMI/EMIEPELcompliance
IPv6 initial results

• Collaboration with the Hepix IPv6 WG
  – the static code IPv6 analyzer was activated:
  – Activity through the collaboration will continue to ensure the full IPv6 compliance
gLite Security updates

• gLite Security Updates are supported until 30.04.2012 (EMI 2)
  — That is security updates fixing vulnerabilities whose target date falls within that date, according to the SVG assessment:
    • https://wiki.egi.eu/wiki/SVG:SVG
  — New security update release process in place:
    • https://twiki.cern.ch/twiki/bin/view/EGEE/GLiteSecUpdates
  — In preparation:
    • APEL security update for SVG:Advisory-SVG-2011-504
      – https://savannah.cern.ch/patch/?5137
    • TORQUE-* security update for SVG:Advisory-SVG-2011-3904
      – https://savannah.cern.ch/patch/?5169
Thank you

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