



EMI 1 (Kebnekaise) Current and Future Releases

Cristina Aiftimiei (INFN)
EMI Release Manager

*WLCG GDB
CERN, 14th September 2011*

Overview

- Updates process
- Updates since May 2011
- Future Updates

Updates process

- Products updates are planned & approved:
 - only for fixing Immediate & High priority bugs or to introduce minor features backward compatible
 - Approved by PTB & EMT
- every 3 weeks
- Planned products updates
 - http://bit.ly/all_active_tasks

Current Updates

- EMI 1 (Kebnekaise)
 - released on 12 May 2011
 - 54 products
 - Now 56 (FTS, StoRM)
 - Details:
 - <http://www.eu-emi.eu/kebnekaise-products>
- Updates - 6 EMI 1 Updates containing 21 products:
 - 3 Emergency – 2 for WMS, 1 for BDII core
 - 22 Revision
 - 2 Minor
 - 2 Major
 - Details:
 - <http://www.eu-emi.eu/emi-1-kebnekaise-updates>

Current Updates - details

- **ARC CE v.1.0.1 ([Update 5 – 04.08.2011](#)):** - revision
 - fixing:
 - renew credentials does not work with arc1 server;
 - ARC incompatible with CERN voms server
- **ARC Clients v. 1.0.1 ([Update 5 - 04.08.2011](#)):** - revision
 - fixing:
 - arcstat -a very inefficient
 - argget report failure in downloading jobs from ARCO sites
- **ARC Core v. 1.0.1 ([Update 5 – 04.08.2011](#)):** - revision
 - 2.6 python bindings for RH5
- **ARC gridftp server v. 1.0.1 ([Update 5 – 04.08.2011](#)):** - revision
 - Fix for gridftpd that doesn't work when arc.conf is a symlink
- **ARC Infosys v. 1.0.1 ([Update 5 – 04.08.2011](#)):** - revision
 - Fixing:
 - Infosystem thrashes the contents of /var/lock/subsys/ when started
 - InfoProvider fails to create Idif generator script for infosys

Current Updates – details (cont.)

- **ARGUS v.1.3.1 ([Update 4 - 21.07.2011](#)):** - revision
 - Fixes of ARGUS PEP server mapping obligation handler:
 - updates the timestamp of the lease file each time a mapping is done;
 - Fixes of ARGUS PAP - handles kerberized style DN correctly
- **BDII core:**
 - **v.1.0.1 ([Update 4 – 21.07.2011](#)):** - emergency
 - Solves an incompatibility issue with the ARC infosys.
 - **v.1.1.0 ([Update 6 – 01.09.2011](#)):** - revision
 - fixes related to packaging and the templates provided by the glite-info-provider-service
 - improved status command which detects that the BDII is not updating
 - BDII will automatically start on reboot
 - new GLUE 2 provider for VOMS, CEMon
 - BDII Nagios probe

Current Updates – details (cont.)

- **BDII site v.1.0.1 ([Update 6 – 01.09.2011](#)):** - revision
 - Minor config issue – wrong path in bdii-config-site
- **BDII top v.1.0.1 ([Update 6 – 01.09.2011](#)):** - revision
 - Minor config issue – wrong path & BDII_HOST in bdii-config-top
- **CREAM & CEMon:** - revision updates
 - **v. 1.13.1 ([Update 2 - 23.06.2011](#))**
 - Fixes an Integration with ARGUS issue problem happening with sub-CAs (e.g. CERN-TCA, UkeScienceCA)
 - **v. 1.13.2 ([Update 4 – 21.07.2011](#))**
 - Rebuild needed to integrate the new trustmanager (v.3.0.5)

Current Updates – details (cont.)

- **dCache v. 1.9.12-6** ([Update 6 – 01.09.2011](#)): - minor update
 - transition to the new configuration system
 - support for third party HTTP srmCopy transfers
 - support for grid and VOMS proxies in the HTTP/WebDAV door
 - gPlazma 2 with ARGUS black listing (missing from initial release)
- **FTS v. 2.2.6** ([Update 6 – 01.09.2011](#)) – first release in EMI 1
 - follows standard packaging
 - no dependencies on globus
 - experimental publishing of FTS service information in Glue 2.0 format
 - supports restarting/partially resuming failed transfers
- **Gridsite v. 1.7.15** ([Update 4 - 21.07.2011](#)): - revision
 - support of VOMS .lsc files
 - Fixes of several issues in the code and the build process

Current Updates – details (cont.)

- **glite-proxyrenewal v.1.3.21** ([Update 3 – 07.07.2011](#)): - revision
 - Workaround for problems with threaded globus by setting signal mask
 - Improved logging, more descriptive error messages
 - Correct handling of multiple VOMS ACs (from multiple VOMS servers)
- **L&B v.3.0.12** ([Update 3 – 07.07.2011](#)): - revision
 - Problems with L&B server dump
 - Fixed default path in glite-lb-purge.cron
- **MPI v. 1.0.1** ([Update 3 – 07.07.2011](#)): - revision
 - Bug fixes for glite-yaim-mpi

Current Updates – details (cont.)

- **StoRM:**
 - **v.1.7.0 ([Update 3 – 07.07.2011](#)):**– first release in EMI
 - StoRM-Backend, fixing
 - tape support
 - sanity check at service startup
 - http(s) file transfer protocol support
 - **v.1.7.1 ([Update 6 – 01.09.2011](#)):** – revision release
 - StoRM-Frontend, fixing:
 - Request with Autorization Id parameters with non ASCII characters makes FE crash
 - Storm frontend crashes
 - Storm-Backend, fixing:
 - space reporting error (Lustre)
 - Memory leak
 - Wrong paths for backend logrotate & cron

Current Updates – details (cont.)

- **Trustmanager v.3.0.5 ([Update 4 - 21.07.2011](#)):** - revision
 - bug fix to handle properly the DESY DNs, to allow delegation to CREAM.
 - cosmetic bug fix to put properly unlimited proxy path limit when delegating RFC3820 proxies.
- **VOMS Java API v. 2.0.6 ([Update 5 – 04.08.2011](#)):** - revision
 - Fix for Java APIs bug preventing the validation of certificates signed by the TERENA CA.

Current Updates – details (cont.)

- **WMS:**
 - **v. 3.3.1 ([Update 1 – 17.06.2011](#))** – emergency update
 - fix for condor vulnerability
 - fix for a major problem for proxy renewal in ICE
 - **v. 3.3.1-1 ([Update 4 – 21.07.2011](#))** – emergency update
 - fixing proxy internal structure conversion probl. in ICE
 - **v. 3.3.2 ([Update 5 – 04.08.2011](#))** – revision
 - fix for authorization problem due to a wrong "gacl" file setting
 - Solving a problem with jdl ISB tar file handling
 - **v. 3.3.3 ([Update 6 – 01.09.2011](#))** – revision
 - fix for authorization failure when using a proxy retrieved from Myproxy

Future Updates

- NEXT Update 22.09.2011 http://bit.ly/emi1_update7
 - **ARGUS v. 1.4.0**: - minor update
 - repackaged to include VOMS Java API 2.0.6 to fix TERENA certificate problem
 - minor enhancement: implement memory limit & change default logging configuration for production
 - fixing PEPd - doesn't update link timestamp in gridmapdir
 - **CEMon v. 1.13.3**: - revision
 - fixes for consumer client (doesn't print correct peer address (OSG))
 - Corrects some issues with Glue2 publication
 - **gLExec-wn v.1.0.1**: revision
 - Bug fix for glite-yaim-glexec (glite-glexec_wn.post)
 - LCMAPS plugins verify-proxy - Proxy Path Length error code issued by OpenSSL on CREAM CE (GGUS #67040 - "Terena Grid Certificate not working with WMS")

Future Updates

- **APEL parsers [v.1.0.1](#)**: - revision
 - Bug fixes for SGE and LSF parsers
- **[DPM](#) & [LFC](#) v. 1.8.2**: - minor update
 - Integration with the SEMSG Catalog Synchronization
 - filesystem selection based on assign weights
 - possibility to send logs to syslog and have log levels
 - fixing some issues with no error messages if too many groups specified - dpm-*
 - enable Glue 2.0 publishing (LFC)
 - LFC_oracle bug fixes (wrong dependency, failing to start)
- **GFAL/lcg_util [v.1.11.19](#)**: - revision
 - Fixing:
 - Memory corruption in is-interface
 - https://ggus.eu/tech/ticket_show.php?ticket=73221
 - gSOAP generates too much log files
 - https://ggus.eu/tech/ticket_show.php?ticket=71495
 - lcg-cr & lcg-cp with list of bdii's issue
 - https://ggus.eu/tech/ticket_show.php?ticket=72196

Future Updates (cont.)

- **MPI [v.1.1.0](#)**: - minor update
 - support for processor and memory affinity in MPI-Start
 - Allow definition of no. of processes per core, socket or host (MPI-START)
 - Bug fixes:
 - Variables not exported correctly to the application environment
 - machinefile missing in opempi when torque support is not available
- **StoRM SE [v. 1.7.2](#)**: - revision
 - Fixes:
 - Available space reported by InfoService is always zero
 - Memory leak on BackEnd REST service calls
 - Wrong calculation of SA_AVAILABLE_SIZE_KB and SA_USED_SIZE_KB
- **HYDRA [v. 1.0.1](#)**: - first release in EMI
 - now in testing phase



Thank you

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