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EMI 1 (Kebnekaise) - Update 12 (19.01.2012)

The Update contains:

- minor release for dCache v. 1.19.12-13, UNICORE TSI6 v. 4.2.0 & UNICORE/X6 v. 4.2.0
- revision releases for BLAH v. 1.16.4

BLAH v. 1.16.4, task #25000 [↗](#)

What's new

- This updates of BLAH fixes a memory leak in the bupdater for PBS/Torque and LSF.
- It also addresses a problem affecting bupdater and bnotifier start with GE

Installation and configuration

- Since BLAH is deployed together with CREAM, please refer to the installation and configuration notes for the whole CREAM-CE

Configuration changes

- None

Documentation changes

- None (but moved to different locations wrt previous version)

Known issues

- Please refer to the [CREAM known issues page](#): [↗](#)

Updated Artefacts

Binary
glite-ce-blahp-1.16.4-1.sl5.x86_64.rpm ↗
Binary tarball
glite-ce-blahp-1.16.4-1.tar.gz ↗
Sources RPM
glite-ce-blahp-1.16.4-1.sl5.src.rpm ↗
Sources tarball
glite-ce-blahp-1.16.4-1.src.tar.gz ↗

dCache v. 1.19.12-13, task #24851 [↗](#)

What's new:

- We fixed several bugs in the pools, in particular restoring compatibility with ARC concerning http compliance and ensuring forward compatibility of https movers. The admin interface was improved to support changing terminal sizes after login. We also improved several logging issues such as a noisy but harmless null pointer exceptions in xrootd, webdav, ftp, gridftp, and kerberosftp.

Installation and configuration:

- Just do a yum update and restart dCache. Please see the release notes for incompatibilities with version of dCache before EMI (before 1.9.12-2)

Known issues:

- none

Updated Artefacts

Binary
dcache-server-1.9.12-13.noarch.rpm
Binary tarball
dcache-server-1.9.12-13.tar.gz
Sources tarball
emi.dcache.server-1.9.12-13.src.tar.gz

UNICORE TSI6 v. 4.2.0, task #24438

What's new in 6.4.2

- Fixes:
 - ◆ Torque: set default working directory
 - ◆ setting "tsi.fail_on_invalid_gids=false" did not have the intended effect
 - ◆ use "vmem" on Torque (SF bug #2885645)
- Improvements:
 - ◆ tsi_df reports back errors
 - ◆ ACL.pm allows for setting and getting default ACL. Also support for recursive ACL operations is added. It is explicitly stated that the current implementation will work only with the Linux implementation of the get/setfacl commands (SF enhancements #3380959)
 - ◆ new XNJS/TSI API #TSI_UMASK for setting the default umask for directories and jobs (SF enhancements #3385750)
 - ◆ optionally return queue information in GetStatusListing.pm
 - ◆ new XNJS/TSI API #TSI_PROJECT for specifying the project.
 - ◆ Project support added for: Torque, Slurm, SGE
 - ◆ added scp-wrapper.pl and scp-wrapper.sh (TCL) helper scripts for scp data staging
 - ◆ LL Submit.pm passes reservation reference (SF patch #3427717)

Upgrade/deployment notes

- No special notes on clean deployment.
- Upgrading: the rpm does yet support upgrading. We recommend making a backup of the /etc/unicore/tsi/* files, and installing from scratch, i.e. erasing unicore-tsi first and then

re-installing.

Known Issues

- None.

Updated Artefacts

Binary
unicore-tsi6-4.2.0-0.noarch.rpm
Binary tarball
unicore-tsi-4.2.0-0.tar.gz
Sources RPM
unicore-tsi-4.2.0-0.sl5.src.rpm
Sources tarball
unicore-tsi-4.2.0-0.src.tar.gz

UNICORE/X6 v. 4.2.0, task #24436

What's new:

This is a minor update to the 6.4.1 release. There are quite a big number of bug fixes and improvements:

- Fixes:
 - ◆ filetransfer thread pool was not setup correctly
 - ◆ BES status checks were slow in case of many jobs
 - ◆ interactive script runtime limit was not correctly used (SF bug #3436254)
 - ◆ resource properties of BESFactory are readable for all authenticated Grid certificates
 - ◆ concurrent processing of jobs with many file transfers could lead to errors
 - ◆ HTTP proxy settings were not used (SF bug #3436456)
 - ◆ waiting for exit code file on slow NFS volumes did not work
 - ◆ use "/bin/cp -r" as default CP command
 - ◆ always append "." to PATH in job script
 - ◆ parent directories were not created when using file:// staging (SF bug #3439595)
 - ◆ metadata service lifetime did not match storage lifetime (SF bug #3459449)
 - ◆ default termination time from configuration is not used (SF bug #3409890)
 - ◆ when user changes the certificate, home and other storages are re-created
 - ◆ database errors are no longer suppressed (SF bug #3293201)
 - ◆ warnings that PDP was unable to make a definitive decision (SF bug #3429753)
- New features:
 - ◆ support for "mailto:" as stage-out protocol (SF bug #3436692)
 - ◆ SCP is supported for data staging with username/password according to the "HPC file staging profile" (GFD.135) (SF feature #3411491)
 - ◆ support for the JobProject feature in JSDL (SF feature #3413236)
- Improvement:
 - ◆ make controllable whether pre/post commands are executed on login node (SF features #3243169)
 - ◆ support for manipulating default file system ACLs (umask) (SF enhancement #3380959)
 - ◆ allow for a recursive invocation of SetPermissions (chmod, chgrp, setfacl) (SF enhancement #3380959)
 - ◆ filtering of files on SMS (turned on by default on the shared SMS) hides only not owned and not accessible files. It is possible to configure this feature for other than the default storages. (SF enhancement #3315469)
 - ◆ auto-negotiation of server-to-server filetransfer protocol (SF feature #1997613)
 - ◆ metadata indexer takes into account existing metadata files
 - ◆ .pem file(s) can be used as truststore (SF improvement #3383619) Use "file" as truststore type to trust a single .pem file, use "directory" to trust all .pem files in a directory.
 - ◆ keystore/truststore type can be auto-detected
 - ◆ CIP Glue2 improvements: new Glue2 schema used, service version is published

- ◆ support for failing jobs from the incarnation tweaker (SF enhancement 3409899)
- ◆ BES reports job execution errors via activity status (SF feature #3388902)
- ◆ support JSDL FileSystemName element (SF enhancement #3419473) * more stable operation on NFS filesystems since existence of staged files on the worker node is checked
- Enhancement:
 - ◆ added framework to invoke administrative actions via the AdminService (SF enhancements #3390537)
 - ◆ if available, information about active jobs per queue is published in TSF resource properties (SF feature #3289424)

Installation and configuration:

- After updating the libraries, the UNICORE/X server must be restarted.

Known Issues:

- None.

Updated Artefacts

Binary
unicore-unicorex6-4.2.0-0.noarch.rpm
unicore-nagios-plugins-2.0.10-1.noarch.rpm
Binary tarball
unicore-unicorex6-4.2.0-0.tar.gz
unicore-nagios-plugins-2.0.10-1.tar.gz
Sources RPM
unicore-unicorex6-4.2.0-0.src.rpm
unicore-nagios-plugins-2.0.10-1.src.rpm
Sources tarball
unicore-unicorex6-4.2.0-0.src.tar.gz
unicore-nagios-plugins-2.0.10-1.src.tar.gz

-- DoinaCristinaAiftimiei - 18-Jan-2012

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