

**Quality Criteria Verification
Executive Summary
For QCV, Stage Rollout, DMSU and EGI internal**

Name of the component			
Release	EMI.cream-sge.sl5.x86_64-2.0.0	RT Ticket	#3925
Software Provider			
Release Contact	Name: Cristina Aiftimiei	E-Mail: cristina.aiftimiei@pd.infn.it	
Validator	Name: Enol Fernandez	E-Mail: enolfc@ifca.unican.es	
V. Hours Worked	12		
Component status	Accepted	Date	28/06/2012
Verification start date	20/06/2012	Verification end date	28/06/2012

Summary:


Complete verification of the EMI CREAM and related products for (S)GE on SL5. The product works as expected but some minor issues related to configuration were found during testing. These must be taken into account when deploying the service in SR. The accounting and monitoring criteria were not tested. Parallel jobs could not be submitted because there were no available resources.

GGUS Tickets:

- https://ggus.eu/ws/ticket_info.php?ticket=83262
- https://ggus.eu/tech/ticket_show.php?ticket=83229

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP	16	1		17
VLD				
	Specific Quality Criteria			
TP				
VLD	20			20

RELEASE:	EMI.cream-sge.sl5.x86	VALIDATOR:	Enol Fernandez
RT TICKET:	#3925		
Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#ReleaseNotes_AN17
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	User commands include -h option. Man pages available
GENERIC_DOC_5 (API Documentation)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/DevelopersDocumentation
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI2
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEMI2
GENERIC_DOC_8 (Software License)	Y	VLD	Apache 2
GENERIC_DOC_9 (Release changes testing)	Y	VLD	Complete test reports at https://wiki.italiangrid.it/twiki/bin/view/IGIRelease/EMI2CREAMTask21059
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	CVS repo available
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Packages install correctly. yaim does not follow policies in file locations
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	Tested with EMI-1 clients without issues
GENERIC_SOFT_2 (New features testing)	Y	TP	Bugs and features included in test report
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	init scripts provided and working
GENERIC_SERVICE_2 (Log Files)	Y	VLD	log files available at /var/cream
GENERIC_SERVICE_3 (Service Reliability)	Optional		
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configuration)	N	VLD	Incorrect configuration of the BDII provider, see GGUS #XXX
GENERIC_SERVICE_6 (Default Password Configuration)	Y	VLD	No default passwords used
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	Only /tmp and several sockets are world writable
GENERIC_SEC_3 (Passwords in world readable files)	Y	VLD	No passwords stored in world readable files
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	GGUS
AUTHENTICATION QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Tested with x.509 proxies + https

AUTHN_DELEG_1 (Delegation Interface)	Y	VLD	Grid site delegation supported
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban User/FQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	Tested CREAM interface. No EMI-ES tests
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	See test report
JOBEXEC_JOB_2 (Simple Job with input/output files)	Y	VLD	See test report
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	See test report
JOBEXEC_EXECMNGR_1 (Not Invasive Deployment)	Y	VLD	No major changes or properly documented
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	Indirectly tested in job submission
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	VLD	Issues in publication, see GGUS https://ggus.eu/tech/ticket_show.php?ticket=83229 . See also report
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	More than one CREAM can be installed for the same batch system
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	Y	VLD	See test report
JOBEXEC_AVAIL_4 (Timely Job Status Updates)	Y	VLD	Simple test jobs were updated fast.
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submission)	Not tested	VLD	Not tested, only one WN available. See also related GGUS
PARALLEL_JOB_2 (Single machine parallel job submission)	Optional		
PARALLEL_JOB_3 (Fine grained mapping parallel job submission)	Optional		
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
MON_PROBE_JOBEXEC_1 (Job Execution Probe)			Update verification, this QC was already verified.
MON_PROBE_JOBEXEC_2 (CREAM Job Execution Probe)			Update verification, this QC was already verified.
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances Accounting)			Update verification, this QC was already verified.
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command lineOptions coherency)	Y	VLD	man and -h and coherent
CLIENT_TOOLS_2 (Error Messages)	Y	VLD	Error messages are clear and point to possible solutions

Validator comments:

Installation went without any issues, see log:

```
Loaded plugins: kernel-module, priorities, protectbase
681 packages excluded due to repository priority protections
224 packages excluded due to repository protections
Setting up Update Process
Resolving Dependencies
--> Running transaction check
--> Package argus-gsi-pep-callout.x86_64 0:1.2.2-1.sl5 set to be updated
--> Package argus-pep-api-c.x86_64 0:2.1.0-3.sl5 set to be updated
--> Package dynsched-generic.noarch 0:2.4.0-3.sl5 set to be updated
--> Processing Dependency: lrms-python-generic for package: dynsched-generic
--> Package emi-trustmanager.noarch 0:3.1.3-1.sl5 set to be updated
--> Package emi-trustmanager-tomcat.noarch 0:3.0.1-1.sl5 set to be updated
--> Package emi-version.x86_64 0:2.0.0-1.sl5 set to be updated
--> Package glxec.x86_64 0:0.9.6-1.el5 set to be updated
--> Package glite-apel-core.noarch 0:2.0.14-5.sl5 set to be updated
--> Package glite-ce-blahp.x86_64 0:1.18.0-4.sl5 set to be updated
--> Package glite-ce-ce-plugin.noarch 0:1.14.0-4.sl5 set to be updated
--> Package glite-ce-cream.noarch 0:1.14.0-4.sl5 set to be updated
--> Processing Dependency: glite-ce-cream-core for package: glite-ce-cream
--> Package glite-ce-cream-utils.x86_64 0:1.2.0-4.sl5 set to be updated
--> Package glite-ce-job-plugin.noarch 0:1.14.0-4.sl5 set to be updated
--> Package glite-ce-monitor.noarch 0:1.14.0-4.sl5 set to be updated
--> Processing Dependency: glite-ce-monitor-api-java for package: glite-ce-monitor
--> Processing Dependency: emi-trustmanager-axis2 for package: glite-ce-monitor
--> Package glite-ce-yaim-cream-ce.noarch 0:4.3.0-4.sl5 set to be updated
--> Package glite-info-dynamic-ge.noarch 0:6.0.0-4.sl5 set to be updated
--> Package glite-jobid-api-c.x86_64 0:2.1.2-2.el5 set to be updated
--> Package glite-lb-common.x86_64 0:8.1.3-3.el5 set to be updated
--> Package glite-lb-logger.x86_64 0:2.3.4-2.el5 set to be updated
--> Package glite-lbjp-common-gss.x86_64 0:3.1.3-2.el5 set to be updated
--> Package glite-lbjp-common-log.x86_64 0:1.2.0-5.el5 set to be updated
--> Package glite-lbjp-common-trio.x86_64 0:2.2.2-3.el5 set to be updated
--> Package glite-yaim-core.noarch 0:5.1.0-1.sl5 set to be updated
--> Package glite-yaim-ge-utils.noarch 0:4.3.0-4.sl5 set to be updated
--> Package gridsite-libs.x86_64 0:1.7.21-2.el5 set to be updated
--> Package lcas.x86_64 0:1.3.18-2.el5 set to be updated
--> Package lcas-lcmapi-gt4-interface.x86_64 0:0.2.1-4.el5 set to be updated
--> Package lcas-plugins-basic.x86_64 0:1.3.6-1.el5 set to be updated
--> Package lcas-plugins-check-executable.x86_64 0:1.2.4-1.el5 set to be updated
--> Package lcas-plugins-voms.x86_64 0:1.3.10-1.el5 set to be updated
--> Package lcg-info-dynamic-software.noarch 0:1.0.7-1.sl5 set to be updated
--> Package lcmapi.x86_64 0:1.5.5-1.el5 set to be updated
--> Package lcmapi-plugins-basic.x86_64 0:1.5.0-3.el5 set to be updated
--> Package lcmapi-plugins-verify-proxy.x86_64 0:1.5.2-1.el5 set to be updated
--> Package lcmapi-plugins-voms.x86_64 0:1.5.3-1.el5 set to be updated
--> Running transaction check
--> Package emi-trustmanager-axis2.noarch 0:1.0.1-1.sl5 set to be updated
--> Package glite-ce-cream-core.noarch 0:1.14.0-4.sl5 set to be updated
--> Processing Dependency: glite-ce-cream-api-java for package: glite-ce-cream-core
--> Package glite-ce-monitor-api-java.noarch 0:1.14.0-4.sl5 set to be updated
--> Processing Dependency: axis2 for package: glite-ce-monitor-api-java
--> Processing Dependency: glite-ce-common-java for package: glite-ce-monitor-api-java
--> Package lrms-python-generic.noarch 0:2.2.1-2.sl5 set to be updated
--> Running transaction check
--> Package axis2.noarch 0:1.6.1-1.emi set to be updated
--> Package glite-ce-common-java.noarch 0:1.14.0-4.sl5 set to be updated
--> Processing Dependency: argus-pep-common for package: glite-ce-common-java
--> Processing Dependency: voms-api-java for package: glite-ce-common-java
--> Processing Dependency: jclassads for package: glite-ce-common-java
--> Processing Dependency: argus-pep-api-java for package: glite-ce-common-java
--> Package glite-ce-cream-api-java.noarch 0:1.14.0-4.sl5 set to be updated
--> Processing Dependency: emi-delegation-java for package: glite-ce-cream-api-java
--> Processing Dependency: glite-jdl-api-java for package: glite-ce-cream-api-java
--> Running transaction check
--> Package argus-pep-api-java.noarch 0:2.1.0-1.sl5 set to be updated
--> Package argus-pep-common.noarch 0:2.2.0-1.sl5 set to be updated
--> Package emi-delegation-java.noarch 0:2.2.0-2.sl5 set to be updated
--> Processing Dependency: emi-trustmanager-axis2 for package: emi-delegation-java
--> Package glite-jdl-api-java.noarch 0:3.2.0-3.sl5 set to be updated
--> Package jclassads.noarch 0:2.4.0-2.sl5 set to be updated
--> Package voms-api-java.noarch 0:2.0.8-1.el5 set to be updated
--> Processing Dependency: jakarta-commons-cli for package: voms-api-java
--> Processing Dependency: jakarta-commons-lang for package: voms-api-java
--> Running transaction check
```

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---> Package emi-trustmanager-axis.noarch 0:2.0.2-1.sl5 set to be updated
---> Package jakarta-commons-cli.x86_64 0:1.0-6jpp_10.el5 set to be updated
---> Package jakarta-commons-lang.x86_64 0:2.1-5jpp.1 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin

```

Dependencies Resolved

```

=====
Package Arch Version Repository Size
=====
Installing:
dysched-generic noarch 2.4.0-3.sl5 EMI.cream-sge.sl5.x86_64 43 k
replacing lcg-info-dynamic-scheduler-generic.noarch 2.3.5-1.sl5

gridsite-libs x86_64 1.7.21-2.el5 EMI.cream.sl5.x86_64 131 k
replacing gridsite-shared.x86_64 1.7.19-1.el5

Updating:
argus-gsi-pep-callout x86_64 1.2.2-1.sl5 EMI.cream.sl5.x86_64 38 k
argus-pep-api-c x86_64 2.1.0-3.sl5 EMI.cream.sl5.x86_64 53 k
emi-trustmanager noarch 3.1.3-1.sl5 EMI.cream.sl5.x86_64 273 k
emi-trustmanager-tomcat noarch 3.0.1-1.sl5 EMI.cream.sl5.x86_64 30 k
emi-version x86_64 2.0.0-1.sl5 EMI.cream-sge.sl5.x86_64 2.0 k
glexec x86_64 0.9.6-1.el5 EMI.cream.sl5.x86_64 86 k
glite-apel-core noarch 2.0.14-5.sl5 EMI.cream-sge.sl5.x86_64 1.0 M
glite-ce-blahp x86_64 1.18.0-4.sl5 EMI.cream.sl5.x86_64 488 k
glite-ce-ce-plugin noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 19 k
glite-ce-cream noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 559 k
glite-ce-cream-utils x86_64 1.2.0-4.sl5 EMI.cream.sl5.x86_64 34 k
glite-ce-job-plugin noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 26 k
glite-ce-monitor noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 90 k
glite-ce-yaim-cream-ce noarch 4.3.0-4.sl5 EMI.cream.sl5.x86_64 45 k
glite-info-dynamic-ge noarch 6.0.0-4.sl5 EMI.cream-sge.sl5.x86_64 12 k
glite-jobid-api-c x86_64 2.1.2-2.el5 EMI.cream.sl5.x86_64 9.1 k
glite-lb-common x86_64 8.1.3-3.el5 EMI.cream.sl5.x86_64 115 k
glite-lb-logger x86_64 2.3.4-2.el5 EMI.cream.sl5.x86_64 78 k
glite-lb-common-gss x86_64 3.1.3-2.el5 EMI.cream.sl5.x86_64 18 k
glite-lbjp-common-log x86_64 1.2.0-5.el5 EMI.cream.sl5.x86_64 8.9 k
glite-lbjp-common-trio x86_64 2.2.2-3.el5 EMI.cream.sl5.x86_64 27 k
glite-yaim-core noarch 5.1.0-1.sl5 EMI.cream-sge.sl5.x86_64 118 k
glite-yaim-ge-utils noarch 4.3.0-4.sl5 EMI.cream-sge.sl5.x86_64 16 k
lcas x86_64 1.3.18-2.el5 EMI.cream.sl5.x86_64 25 k
lcas-lcmapi-gt4-interface x86_64 0.2.1-4.el5 EMI.cream.sl5.x86_64 21 k
lcas-plugins-basic x86_64 1.3.6-1.el5 EMI.cream.sl5.x86_64 22 k
lcas-plugins-check-executable x86_64 1.2.4-1.el5 EMI.cream.sl5.x86_64 9.4 k
lcas-plugins-voms x86_64 1.3.10-1.el5 EMI.cream.sl5.x86_64 29 k
lcg-info-dynamic-software noarch 1.0.7-1.sl5 EMI.cream-sge.sl5.x86_64 3.2 k
lcmapi x86_64 1.5.5-1.el5 EMI.cream.sl5.x86_64 86 k
lcmapi-plugins-basic x86_64 1.5.0-3.el5 EMI.cream.sl5.x86_64 38 k
lcmapi-plugins-verify-proxy x86_64 1.5.2-1.el5 EMI.cream.sl5.x86_64 28 k
lcmapi-plugins-voms x86_64 1.5.3-1.el5 EMI.cream.sl5.x86_64 48 k

Installing for dependencies:
argus-pep-api-java noarch 2.1.0-1.sl5 EMI.cream.sl5.x86_64 58 k
argus-pep-common noarch 2.2.0-1.sl5 EMI.cream.sl5.x86_64 265 k
axis2 noarch 1.6.1-1.emi EMI.cream.sl5.x86_64 19 M
emi-delegation-java noarch 2.2.0-2.sl5 EMI.cream.sl5.x86_64 96 k
emi-trustmanager-axis noarch 2.0.2-1.sl5 EMI.cream.sl5.x86_64 28 k
emi-trustmanager-axis2 noarch 1.0.1-1.sl5 EMI.cream.sl5.x86_64 16 k
glite-ce-common-java noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 155 k
glite-ce-cream-api-java noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 2.5 M
glite-ce-cream-core noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 397 k
glite-ce-monitor-api-java noarch 1.14.0-4.sl5 EMI.cream.sl5.x86_64 385 k
glite-jdl-api-java noarch 3.2.0-3.sl5 EMI.cream.sl5.x86_64 45 k
jakarta-commons-cli x86_64 1.0-6jpp_10.el5 epel 76 k
jakarta-commons-lang x86_64 2.1-5jpp.1 sl-base 508 k
jclassads noarch 2.4.0-2.sl5 EMI.cream.sl5.x86_64 95 k
lrms-python-generic noarch 2.2.1-2.sl5 EMI.cream.sl5.x86_64 8.7 k
voms-api-java noarch 2.0.8-1.el5 EMI.cream.sl5.x86_64 154 k

```

Transaction Summary

```

=====
Install      18 Package(s)
Upgrade     33 Package(s)

```

Total size: 27 M

```

Is this ok [y/N]: y
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
  Updating      : lcmsaps                               1/86
  Updating      : lcas                                  2/86
  Updating      : glite-jobid-api-c                     3/86
  Updating      : glite-lbjp-common-trio                4/86
  Updating      : glite-lbjp-common-gss                 5/86
  Updating      : glite-lb-common                       6/86
  Updating      : argus-pep-api-c                       7/86
  Installing    : gridsite-libs                         8/86
  Updating      : glite-lbjp-common-log                  9/86
  Updating      : emi-trustmanager                     10/86
  Updating      : glite-yaim-core                       11/86
  Installing    : jclassads                             12/86
  Installing    : axis2                                13/86
  Installing    : jakarta-commons-lang                 14/86
  Updating      : glite-ce-cream-utils                  15/86
  Installing    : jakarta-commons-cli                   16/86
  Updating      : argus-gsi-pep-callout                 17/86
  Updating      : lcas-lcmsaps-gt4-interface            18/86
  Updating      : glite-ce-blahp                       19/86
  Updating      : lcmsaps-plugins-verify-proxy          20/86
  Updating      : glite-lb-logger                       21/86
  Updating      : lcas-plugins-voms                     22/86
  Updating      : lcas-plugins-basic                    23/86
  Updating      : lcmsaps-plugins-voms                  24/86
  Updating      : glxexec                               25/86
warning: /etc/glxexec.conf created as /etc/glxexec.conf.rpmnew
warning: /etc/lcmsaps/lcmsaps-glxexec.db created as /etc/lcmsaps/lcmsaps-glxexec.db.rpmnew
  Updating      : lcas-plugins-check-executable         26/86
  Updating      : lcmsaps-plugins-basic                  27/86
  Installing    : voms-api-java                         28/86
  Installing    : argus-pep-common                      29/86
  Installing    : argus-pep-api-java                    30/86
  Installing    : glite-ce-common-java                  31/86
  Installing    : glite-ce-monitor-api-java             32/86
  Installing    : glite-jdl-api-java                    33/86
  Installing    : emi-trustmanager-axis2                 34/86
Stopping tomcat5: [ OK ]
  Updating      : glite-ce-monitor                      35/86
  Installing    : emi-trustmanager-axis                 36/86
  Installing    : emi-delegation-java                   37/86
  Installing    : glite-ce-cream-api-java               38/86
  Installing    : glite-ce-cream-core                   39/86
  Updating      : glite-ce-cream                       40/86
  Installing    : lrms-python-generic                   41/86
  Updating      : glite-ce-yaim-cream-ce                 42/86
  Updating      : glite-ce-ce-plugin                    43/86
  Updating      : emi-trustmanager-tomcat               44/86
  Installing    : dynsched-generic                      45/86
  Updating      : emi-version                            46/86
  Updating      : glite-apel-core                       47/86
  Updating      : glite-ce-job-plugin                    48/86
  Updating      : glite-yaim-ge-utils                   49/86
  Updating      : lcg-info-dynamic-software             50/86
  Updating      : glite-info-dynamic-ge                 51/86
  Cleanup      : argus-gsi-pep-callout                 52/86
  Cleanup      : lcas-plugins-voms                      53/86
  Cleanup      : glite-ce-yaim-cream-ce                 54/86
  Cleanup      : glite-ce-ce-plugin                     55/86
  Cleanup      : emi-trustmanager-tomcat                56/86
  Erasing      : lcg-info-dynamic-scheduler-generic    57/86
  Cleanup      : glite-lbjp-common-gss                 58/86
  Cleanup      : glite-ce-cream-utils                   59/86
  Cleanup      : emi-version                            60/86
  Cleanup      : lcmsaps-plugins-basic                   61/86
  Cleanup      : glite-lb-common                       62/86
  Cleanup      : lcas-plugins-check-executable          63/86
  Cleanup      : lcas                                   64/86
  Cleanup      : lcmsaps-plugins-verify-proxy          65/86
  Cleanup      : glite-lbjp-common-log                  66/86
  Cleanup      : glite-apel-core                        67/86

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Cleanup      : glite-ce-job-plugin                68/86
Cleanup      : lcmaps-plugins-voms                69/86
Cleanup      : glite-lbjp-common-trio            70/86
Cleanup      : glite-yaim-core                   71/86
Cleanup      : lcmaps                             72/86
Cleanup      : glxec                               73/86
Cleanup      : glite-jobid-api-c                 74/86
Cleanup      : lcas-lcmaps-gt4-interface         75/86
Cleanup      : glite-yaim-ge-utils               76/86
Erasing      : gridsite-shared                   77/86
Cleanup      : argus-pep-api-c                   78/86
Cleanup      : glite-lb-logger                   79/86
Cleanup      : glite-ce-cream                    80/86
Cleanup      : glite-ce-blahp                    81/86
Cleanup      : lcg-info-dynamic-software         82/86
Cleanup      : lcas-plugins-basic                83/86
Cleanup      : glite-info-dynamic-ge             84/86
Cleanup      : emi-trustmanager                  85/86
Cleanup      : glite-ce-monitor                  86/86

Installed:
dynsched-generic.noarch 0:2.4.0-3.s15           gridsite-libs.x86_64 0:1.7.21-
2.e15

Dependency Installed:
argus-pep-api-java.noarch 0:2.1.0-1.s15        argus-pep-common.noarch 0:2.2.0-
1.s15
axis2.noarch 0:1.6.1-1.emi                      emi-delegation-java.noarch
0:2.2.0-2.s15
emi-trustmanager-axis.noarch 0:2.0.2-1.s15     emi-trustmanager-axis2.noarch
0:1.0.1-1.s15
glite-ce-common-java.noarch 0:1.14.0-4.s15     glite-ce-cream-api-java.noarch
0:1.14.0-4.s15
glite-ce-cream-core.noarch 0:1.14.0-4.s15     glite-ce-monitor-api-java.noarch
0:1.14.0-4.s15
glite-jdl-api-java.noarch 0:3.2.0-3.s15        jakarta-commons-cli.x86_64 0:1.0-
6jpp_10.e15
jakarta-commons-lang.x86_64 0:2.1-5jpp.1       jclassads.noarch 0:2.4.0-2.s15
lrms-python-generic.noarch 0:2.2.1-2.s15      voms-api-java.noarch 0:2.0.8-1.e15

Updated:
argus-gsi-pep-callout.x86_64 0:1.2.2-1.s15     argus-pep-api-c.x86_64 0:2.1.0-
3.s15
emi-trustmanager.noarch 0:3.1.3-1.s15          emi-trustmanager-tomcat.noarch
0:3.0.1-1.s15
emi-version.x86_64 0:2.0.0-1.s15               glxec.x86_64 0:0.9.6-1.e15
glite-apel-core.noarch 0:2.0.14-5.s15         glite-ce-blahp.x86_64 0:1.18.0-
4.s15
glite-ce-ce-plugin.noarch 0:1.14.0-4.s15      glite-ce-cream.noarch 0:1.14.0-
4.s15
glite-ce-cream-utils.x86_64 0:1.2.0-4.s15     glite-ce-job-plugin.noarch
0:1.14.0-4.s15
glite-ce-monitor.noarch 0:1.14.0-4.s15       glite-ce-yaim-cream-ce.noarch
0:4.3.0-4.s15
glite-info-dynamic-ge.noarch 0:6.0.0-4.s15    glite-jobid-api-c.x86_64
0:2.1.2-2.e15
glite-lb-common.x86_64 0:8.1.3-3.e15          glite-lb-logger.x86_64 0:2.3.4-
2.e15
glite-lbjp-common-gss.x86_64 0:3.1.3-2.e15    glite-lbjp-common-log.x86_64
0:1.2.0-5.e15
glite-lbjp-common-trio.x86_64 0:2.2.2-3.e15   glite-yaim-core.noarch 0:5.1.0-
1.s15
glite-yaim-ge-utils.noarch 0:4.3.0-4.s15      lcas.x86_64 0:1.3.18-2.e15
lcas-lcmaps-gt4-interface.x86_64 0:0.2.1-4.e15 lcas-plugins-basic.x86_64
0:1.3.6-1.e15
lcas-plugins-check-executable.x86_64 0:1.2.4-1.e15 lcas-plugins-voms.x86_64
0:1.3.10-1.e15
lcg-info-dynamic-software.noarch 0:1.0.7-1.s15 lcmaps.x86_64 0:1.5.5-1.e15
lcmaps-plugins-basic.x86_64 0:1.5.0-3.e15     lcmaps-plugins-verify-
proxy.x86_64 0:1.5.2-1.e15
lcmaps-plugins-voms.x86_64 0:1.5.3-1.e15

Replaced:
gridsite-shared.x86_64 0:1.7.19-1.e15         lcg-info-dynamic-scheduler-generic.noarch
0:2.3.5-1.s15

Complete!

```

Configuration:

Configuration was performed with yaim.

```
INFO: Configuring HOST: sa3-ce.egee.cesga.es
INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def
INFO:
#####

.      /'-..' )
.      yA,-"-,( ,m,:/ ) .oo.      oo      o      ooo o.      .oo
.      /      .-Y a  a Y-.      8.  .8'      8'8.      8      8b  d'8
.      /      ~ ~ /      8'      .8oo88.      8      8  8'  8
.      (_/      '===='      8      .8'      8.      8      8  Y  8
.      Y,-'-'-,Yy,-.,/      o8o  o8o      o88o  o8o  o8o      o8o
.      I_)_) I_)_)

current working directory: /etc
site-info.def date: Jun 11 14:28 /opt/glite/yaim/etc/site-info.def
yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n creamCE -n SGE_utils
log file: /opt/glite/yaim/bin/./log/yaimlog
Thu Jun 14 09:26:20 CEST 2012 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-bdii 4.3.9-1
glite-yaim-core 5.1.0-1
glite-yaim-cream-ce 4.3.0-4
glite-yaim-sge-utils 4.3.0-4

#####
INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
INFO: Executing function: config_cream_detect_tomcat_check
INFO: Executing function: config_cream_stop_check
INFO: Executing function: config_cream_db_check
INFO: Executing function: config_cream_emies_scratch_reinstall_check
INFO: Executing function: config_cream_emies_db_check
INFO: Executing function: config_add_pool_env_check
INFO: Executing function: config_host_certs_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_users_check
INFO: Executing function: config_edgusers_check
INFO: Executing function: config_cream_glexec_user_check
INFO: Executing function: config_cream_clean_sudoers_check
INFO: Executing function: config_cream_sudoers_check
INFO: Executing function: config_secure_tomcat_check
INFO: Detecting TOMCAT
INFO: Executing function: config_vomsmap_check
INFO: Executing function: config_cream_remove_subcluster_ce_check
INFO: Executing function: config_lcas_lcmapi_gt4_check
INFO: Executing function: config_globus_gridftp_check
INFO: Executing function: config_cream_glexec_check
INFO: Executing function: config_cream_blah_check
INFO: Executing function: config_cream_ce_check
INFO: Executing function: config_cream_emies_check
INFO: Executing function: config_cream_logrotation_check
INFO: Executing function: config_bdii_5.2_check
INFO: Executing function: config_cream_gip_info_dynamic_check
INFO: Executing function: config_cream_gip_check
INFO: Executing function: config_cream_gip_glue2_check
INFO: Executing function: config_cream_gip_scheduler_plugin_check
INFO: Executing function: config_cream_gip_software_plugin_check
INFO: Executing function: config_cream_vo_tag_dir_check
INFO: Executing function: config_info_service_cream_ce_check
INFO: Executing function: config_info_service_cemon_check
INFO: Executing function: config_cream_info_service_rtepublish_check
INFO: Executing function: config_cream_cemon_check
INFO: Executing function: config_cream_gliteservices_check
INFO: Executing function: config_cream_locallogger_check
INFO: Executing function: config_glite_locallogger_check
INFO: Executing function: config_apel_sge_check
INFO: Executing function: config_sgeenv_check
INFO: Executing function: config_sgesub_check
INFO: Executing function: config_sgegg_check
```



```
INFO: Executing function: config_gip_sge_check
INFO: Executing function: config_ssh_sge_check
INFO: Executing function: config_cream_detect_tomcat_setenv
INFO: Executing function: config_cream_detect_tomcat
INFO: Detecting TOMCAT
INFO: Executing function: config_cream_stop_setenv
INFO: Executing function: config_cream_stop
INFO: Stopping tomcat
Stopping tomcat5: [ OK ]
INFO: Stopping blah
/etc/init.d/glite-ce-blah-parser: Cannot read BLAH config file ($BLAHPD_CONFIG_LOCATION,
or /etc/blah.config, or /opt/glite/etc/blah.config)
INFO: Stopping lb processes
Stopping glite-lb-logd ... done
Stopping glite-lb-interlogd ... not running
INFO: Executing function: config_cream_db_setenv
INFO: Executing function: config_cream_db
creamdb version requested by the service is 2.5
The version retrieved from the creamdb database is 2.5
The creamdb database is synchronized with the one requested by the service
delegationcreamdb version requested by the service is 2.5
The version retrieved from the delegationcreamdb database is 2.5
The delegationcreamdb database is synchronized with the one requested by the service
INFO: Executing function: config_cream_emies_scratch_reinstall_setenv
INFO: Executing function: config_cream_emies_scratch_reinstall
Stopping tomcat5: Starting tomcat5: [ OK ]
INFO: Executing function: config_cream_emies_db_setenv
INFO: Executing function: config_cream_emies_db
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_ldconf
INFO: config_ldconf: function not needed anymore, left empty waiting to be removed
INFO: Executing function: config_sysconfig_edg
INFO: Executing function: config_host_certs
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...
Enabling periodic fetch-crl: [ OK ]
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
INFO: Executing function: config_vomses
INFO: Executing function: config_users
INFO: Executing function: config_edgusers
INFO: Executing function: config_cream_glexec_user_setenv
INFO: Executing function: config_cream_glexec_user
INFO: CONFIG_USERS is set to yes
INFO: Executing function: config_cream_clean_sudoers_setenv
INFO: Executing function: config_cream_clean_sudoers
INFO: /etc/sudoers file already clean. Probably installation from scratch
INFO: Executing function: config_cream_sudoers_setenv
INFO: Executing function: config_cream_sudoers
INFO: Executing function: config_secure_tomcat_setenv
INFO: Executing function: config_secure_tomcat
INFO: Stop tomcat in case it's running
Stopping tomcat5: [ OK ]
INFO: Copying hostcert to /etc/grid-security/tomcat-cert.pem for tomcat:root.....
INFO: Copying hostkey to /etc/grid-security/tomcat-key.pem for tomcat:root...
INFO: Configuring /etc/tomcat5/server.xml...
INFO: Copying trustmanager log4j properties to tomcat configuration directory..
INFO: Linking log4j and bouncycastle jars to tomcat server lib directory..
INFO: Linking trustmanager jars to tomcat server lib directory...
INFO: Linking jakarta-commons-logging to tomcat server lib directory...
INFO: Defining JAVA_HOME in the Tomcat configuration file
INFO: Starting Tomcat
Starting tomcat5: [ OK ]
INFO: Executing function: config_vomsmap_setenv
INFO: Executing function: config_vomsmap
INFO: Creating grid-map directory in /etc/grid-security/gridmapdir
INFO: Creating voms grid-map file in /etc/grid-security/voms-grid-mapfile
INFO: Creating voms groupmap file in /etc/grid-security/groupmapfile
INFO: Copying the /etc/grid-security/voms-grid-mapfile in the standard location
/etc/grid-security/grid-mapfile
INFO: Executing function: config_cream_remove_subcluster_ce_setenv
INFO: Executing function: config_cream_remove_subcluster_ce
INFO: Executing function: config_lcas_lcmaps_gt4_setenv
INFO: Executing function: config_lcas_lcmaps_gt4
INFO: Creating LCAS_DB_FILE in /etc/lcas/lcas.db
INFO: Creating LCMAPS_DB_FILE in /etc/lcmaps/lcmaps.db
```

```

INFO: Executing function: config_globus_gridftp_setenv
INFO: Executing function: config_globus_gridftp
INFO: Starting gridftp service :
Stopping globus-gridftp-server: [ OK ]
Starting globus-gridftp-server: [ OK ]
INFO: Executing function: config_cream_glexec_setenv
INFO: Executing function: config_cream_glexec
INFO: Executing function: config_cream_blah_setenv
INFO: Executing function: config_cream_blah
INFO: BATCH SYSTEM = sge. Does not execute config_cream_blah!
INFO: Executing function: config_cream_ce_setenv
INFO: Executing function: config_cream_ce
INFO: File /etc/glite-ce-cream/cream-config.xml backed-up in /etc/glite-ce-cream/cream-config.xml.bak_20120614_092808
Stopping tomcat5: [ OK ]
Starting tomcat5: [ OK ]
INFO: Executing function: config_cream_emies_setenv
INFO: Executing function: config_cream_emies
Stopping tomcat5: [ OK ]
Starting tomcat5: [ OK ]
INFO: Executing function: config_cream_logrotation_setenv
INFO: Executing function: config_cream_logrotation
INFO: Executing function: config_bdii_5.2
Stopping BDII update process: [ OK ]
Stopping BDII slapd: [ OK ]
Starting BDII slapd: [ OK ]
Starting BDII update process: [ OK ]
INFO: Executing function: config_cream_gip_info_dynamic_setenv
INFO: Executing function: config_cream_gip_info_dynamic
INFO: Executing function: config_cream_gip_setenv
INFO: Executing function: config_cream_gip
WARNING: Queue ops was enabled for one or more FQANs which specify an entire VO
WARNING: Queue cesga was enabled for one or more FQANs which specify an entire VO
WARNING: Queue lhcb was enabled for one or more FQANs which specify an entire VO
WARNING: Queue lhcb was enabled for one or more FQANs which specify an entire VO
WARNING: Queue dteam was enabled for one or more FQANs which specify an entire VO
WARNING: Queue biomed was enabled for one or more FQANs which specify an entire VO
WARNING: Queue compchem was enabled for one or more FQANs which specify an entire VO
WARNING: Queue fusion was enabled for one or more FQANs which specify an entire VO
INFO: Executing function: config_cream_gip_glue2_setenv
INFO: Executing function: config_cream_gip_glue2
SE_LIST=sa3-se.egee.cesga.es
INFO: File /etc/glite-ce-glue2/glite-ce-glue2.conf backed-up in /etc/glite-ce-glue2/glite-ce-glue2.conf.bak_20120614_092947
INFO: Executing function: config_cream_gip_scheduler_plugin_setenv
INFO: Executing function: config_cream_gip_scheduler_plugin
INFO: Executing function: config_cream_gip_software_plugin_setenv
INFO: Executing function: config_cream_gip_software_plugin
INFO: Executing function: config_cream_vo_tag_dir
INFO: Executing function: config_info_service_cream_ce_setenv
INFO: Executing function: config_info_service_cream_ce
INFO: Executing function: config_info_service_cemon_setenv
INFO: Executing function: config_info_service_cemon
INFO: Executing function: config_cream_info_service_rtepublish_setenv
INFO: Executing function: config_cream_info_service_rtepublish
INFO: Executing function: config_cream_cemon_setenv
INFO: Executing function: config_cream_cemon
Stopping tomcat5: [ OK ]
Starting tomcat5: [ OK ]
INFO: Executing function: config_cream_gliteservices_setenv
INFO: Executing function: config_cream_gliteservices
INFO: Executing function: config_cream_locallogger_setenv
INFO: Executing function: config_cream_locallogger
INFO: Executing function: config_glite_locallogger_setenv
INFO: Executing function: config_glite_locallogger
INFO: The workaround for bug 22389 already exists
Stopping glite-lb-logd ... not running
Stopping glite-lb-interlogd ... not running
Starting glite-lb-logd ...This is LocalLogger, part of Workload Management System in EU
DataGrid & EGEE.
done
Warning: stale /var/cream_lb/glite-lb-interlogd.pid for glite-lb-interlogd
Warning: stale /tmp/interlogger.sock for glite-lb-interlogd
Starting glite-lb-interlogd ... done
INFO: Executing function: config_cream_glite_initd
INFO: Executing function: config_apel_sge_setenv
INFO: Executing function: config_apel_sge

```

```

INFO: Executing function: config_sgeenv_setenv
INFO: Executing function: config_sgeenv
INFO: Build the scripts which set the proper SGE environment
INFO: You are using a SGE SHARED INSTALLATION.
INFO: SGE instalation will not be configured since we assume everything is already
working via the SHARED INSTALLATION!
INFO: Executing function: config_sgesub_setenv
INFO: Executing function: config_sgesub
INFO: Executing function: config_sgegg_setenv
INFO: Executing function: config_sgegg
INFO: Executing function: config_gip_sge_setenv
INFO: Executing function: config_gip_sge
INFO: Build InfoProvider based on Le5C implementation
WARNING: /etc/lrms/vqueues.conf exists and will be copied to
/tmp/sge/etc/lrms/vqueues.conf!
WARNING: /etc/lrms/cluster.state exists and will be copied to
/tmp/sge/etc/lrms/cluster.state!
WARNING: /etc/lrms/sge.conf exists and will be copied to /tmp/sge/etc/lrms/sge.conf!
WARNING: /etc/lrms/scheduler.conf exists and will be copied to
/tmp/sge/etc/lrms/scheduler.conf!
INFO: Executing function: config_ssh_sge_setenv
INFO: Executing function: config_ssh_sge
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.

```

One of the files (/var/lib/bdii/gip/ldif/ComputingShare.ldif) created during yaim configuration for the BDII is not correctly parsed by the info provider tools. This causes errors in the publication of the values . See the GGUS ticket #83229 for more details, https://ggus.eu/tech/ticket_show.php?ticket=83229. This makes criterion GENERIC_SERVICE_5 (Automatic Configuration) to fail.

Tests performed:

Test script that:

- delegates proxy to CE
- checks CE info, searches the ldap server for the CE ID
- submits simple job without files and with files
- submits and cancels a job

Output:

```

### Get CE id from ldap
### -> sa3-ce.egee.cesga.es:8443/cream-sge-dteam

### Check user proxy and renew/delegate at CE
Your identity: /DC=es/DC=irisgrid/O=ifca/CN=Enol-Fernandez-delCastillo
Creating temporary proxy ..... Done
Contacting voms.hellasgrid.gr:15004
[/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr] "dteam" Done
Creating proxy ..... Done
Your proxy is valid until Fri Jun 29 01:57:33 2012
2012-06-28 13:57:34,072 WARN - No configuration file suitable for loading. Using built-
in configuration
2012-06-28 13:57:34,468 ERROR - Received NULL fault; the error is due to another cause:
FaultString=[delegation [delegId=my_verification_id;
dn=CN=Enol_Fernandez_delCastillo_0_ifca_DC_irisgrid_DC_es; localUser=dteam069] not
found!] - FaultCode=[SOAP-ENV:Server] - FaultSubCode=[SOAP-ENV:Server]
2012-06-28 13:57:34,524 WARN - No configuration file suitable for loading. Using built-
in configuration
2012-06-28 13:57:36,315 NOTICE - Proxy with delegation id [my_verification_id]
succesfully delegated to endpoint [https://sa3-ce.egee.cesga.es:8443/ce-
cream/services/gridsite-delegation]
### Show CE info
2012-06-28 13:57:36,380 WARN - No configuration file suitable for loading. Using built-
in configuration
Interface Version = [2.1]
Service Version = [1.14 - EMI version: 2.0.0-1]

```

```
Description          = [CREAM 2]
Started at           = [Mon Jun 25 10:48:37 2012]
Submission enabled   = [YES]
Status               = [RUNNING]

### Submit simple job
### Job to be submitted:
Executable = "/bin/sleep";
Arguments  = "60";
2012-06-28 13:57:37,062 WARN - No configuration file suitable for loading. Using built-
in configuration
https://sa3-ce.egee.cesga.es:8443/CREAM697797223
2012-06-28 13:57:37,669 WARN - No configuration file suitable for loading. Using built-
in configuration

***** JobID=[https://sa3-ce.egee.cesga.es:8443/CREAM697797223]
          Status = [PENDING]
2012-06-28 13:59:37,895 WARN - No configuration file suitable for loading. Using built-
in configuration
### OK!

### Submit job with I/O
113+0 records in
113+0 records out
57856 bytes (58 kB) copied, 0.018465 seconds, 3.1 MB/s
### Job to be submitted:
Executable = "script.sh";
Arguments  = "myfile 57856";
InputSandbox = {"myfile", "script.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput = "std.out";
StdError = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
2012-06-28 13:59:38,202 WARN - No configuration file suitable for loading. Using built-
in configuration
https://sa3-ce.egee.cesga.es:8443/CREAM586370180
2012-06-28 13:59:40,659 WARN - No configuration file suitable for loading. Using built-
in configuration

***** JobID=[https://sa3-ce.egee.cesga.es:8443/CREAM586370180]
          Status = [REGISTERED]
2012-06-28 14:01:40,892 WARN - No configuration file suitable for loading. Using built-
in configuration
### OK!
2012-06-28 14:01:41,125 WARN - No configuration file suitable for loading. Using built-
in configuration
220 sa3-ce.egee.cesga.es GridFTP Server 6.10 (gcc64, 1334324800-83) [Globus Toolkit
5.2.0] ready.
230 User dteam069 logged in.
std.out: 44 bytes in 0.09 seconds. 0.47 KB/sec
std.err: 16 bytes in 0.09 seconds. 0.17 KB/sec
### Job output
Size of myfile is 57856 and should be 57856
### Job error
Test to stderr!

### Cancel job
### Job to be submitted:
Executable = "/bin/sleep";
Arguments  = "10m";
2012-06-28 14:01:42,454 WARN - No configuration file suitable for loading. Using built-
in configuration
https://sa3-ce.egee.cesga.es:8443/CREAM250191014
2012-06-28 14:01:43,054 WARN - No configuration file suitable for loading. Using built-
in configuration

***** JobID=[https://sa3-ce.egee.cesga.es:8443/CREAM250191014]
          Status = [PENDING]
2012-06-28 14:03:13,283 WARN - No configuration file suitable for loading. Using built-
in configuration
2012-06-28 14:04:43,514 WARN - No configuration file suitable for loading. Using built-
in configuration

***** JobID=[https://sa3-ce.egee.cesga.es:8443/CREAM250191014]
          Status = [CANCELLED]
          ExitCode = []
          Description = [Cancelled by user]
```

```
2012-06-28 14:04:43,734 WARN - No configuration file suitable for loading. Using built-  
in configuration  
### OK!
```

Parallel jobs were not tested since only one WN is available. However a simple test to check if the CE is properly configured revealed a bug (GGUS #83262, https://ggus.eu/tech/ticket_show.php?ticket=83262), that the job gets aborted with a confusing message.

Not applicable Quality Criteria

Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

Specific Non-functional tests (Scalability, etc...) to be repeated in SR:

Test number	Description	Motivation

Comments for UMD QC definition (TSA2.2):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

Comments for DMSU (TSA2.5):

Comments for TP: