

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

Name of the component	cream-sge		
Release	EMI.cream-ge.sl5.x86_64-2.0.2	RT Ticket	#5678
	EMI.cream-ge.sl6.x86_64-2.0.2		#5679
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	crstina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Enol Fernández	enolfc@ifca.unican.es	
V. Hours Worked	1h		
Component status	Accepted	Date	17/06/2013
Verification start date	17/06/2013	Verification end date	17/06/2013

Summary:

Same release that the already tested packages for UMD-3. Verification consisted in installation a submission of jobs. For completion check report of UMD-3 version of packages.

GGUS Tickets:

- https://ggus.eu/ws/ticket_info.php?ticket=94128

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	18	0	5	23
	Specific Quality Criteria			
TP				
VLD	9	1	5	15

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://github.com/ge-utils/info-dynamic-scheduler/blob/master/RELEASE_NOTES.md https://github.com/ge-utils/yaim-functions/blob/master/RELEASE_NOTES.md https://issues.infn.it/browse/CREAM-76
GENERIC_DOC_3 (User Documentation)	NA		
GENERIC_DOC_4 (Online help (man pages))	NA		
GENERIC_DOC_5 (API Documentation)	NA		
GENERIC_DOC_6 (Administrator Documentatio	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI3
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
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Available at github repo
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	See report, installs without issues
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	Tested with glite-UI
GENERIC_SOFT_2 (New features testing)	Y	VLD	No new features
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and sta	Y	VLD	Service OK
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Logs in /var/log/cream
GENERIC_SERVICE_3 (Service Reliability)	NA		
GENERIC_SERVICE_4 (Service Robustness)	NA		
GENERIC_SERVICE_5 (Automatic Configuratio	Y	VLD	yaim error fixed
GENERIC_SERVICE_6 (Default Password Conf	Y	VLD	No default passwords
GENERIC_SERVICE_7 (Default Configuration)	Y	VLD	Configuration worked out of the box
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	See report
GENERIC_SEC_3 (Passwords in world readable	Y	VLD	No passwords found
MISCELLANEOUS QC			
GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	Enrolled in GGUS
AUTHENTICATION QC			
AUTHN_CRED_1 (X.509 Certificate support)	Y		See report
AUTHN_CRED_2 (SHA2 Certificate support)	Y		SHA2 host proxy used for verification
AUTHN_CRED_3 (RFC Proxy support)	N		Jobs with RFC proxy fail with files in the sandbox
AUTHN_PROTO_1 (TLSSSLv3 Support)	Y		OK
AUTHN_DELEG_1 (Delegation Interface)	Y		Delegates proxies OK
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban UserGroup of users)	Y		OK

AUTHZ_PCYDEF_4 (Allowed users definition)	Y		OK
AUTHZ_PEP_2 (User Mapping)	Y		OK
AUTHZ_PEP_3 (Argus Integration)	Y		OK
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	See report
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	See report
JOBEXEC_JOB_2 (Simple Job with input/output)	Y	VLD	See report
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	Jobs are not cancelled, but workaround available
JOBEXEC_EXECMNGR_1 (Not Invasive Deploy)	Y	VLD	See report
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	Jobs are not cancelled, but workaround available
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	VLD	See report
JOBEXEC_AVAIL_1 (Service Redundancy)	NA		
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	NA		
JOBEXEC_AVAIL_4 (Timely Job Status Updates)	NA		
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submission)	Y	VLD	See report
PARALLEL_JOB_2 (Single machine parallel job)	NA		
PARALLEL_JOB_3 (Fine grained mapping parallel)	NA		
INFORMATION MODEL QC			
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y		See report
INFOMODEL_SCHEMA_2 (Middleware Version)	Y		See report
INFOMODEL_SCHEMA_3 (GlueSchema 2.0 Support)	Y		See report
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Not tested		To be tested in SR
MON_PROBE_GENERIC_2 (Service Probe)	Not tested		To be tested in SR
MON_PROBE_JOBEXEC_1 (Job Execution Probe)	Not tested		To be tested in SR
MON_PROBE_JOBEXEC_2 (CREAM Job Execution)	Not tested		To be tested in SR
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances Accounting)	Y	VLD	See report
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line options coherence)	Not tested		No changes in the clients
CLIENT_TOOLS_2 (Error Messages)	Not tested		No changes in the clients

```
# Installation
# yum install -d 1 -e 1 -y emi-ge-utils
```

Package	Arch	Version	Repository	Size
Installing:				
emi-ge-utils	noarch	2.0.2-2.1	EMI.cream-ge.sl6.x86_64	2.2 k
Installing for dependencies:				
glite-info-dynamic-ge	noarch	7.0.0-3.1	EMI.cream-ge.sl6.x86_64	14 k
glite-yaim-ge-utils	noarch	4.4.0-2.1	EMI.cream-ge.sl6.x86_64	18 k
perl-XML-Twig	noarch	3.34-1.el6	sl	200 k

Transaction Summary

Install 4 Package(s)

Total download size: 235 k
Installed size: 697 k

Installed:
emi-ge-utils.noarch 0:2.0.2-2.1

Dependency Installed:
glite-info-dynamic-ge.noarch 0:7.0.0-3.1
glite-yaim-ge-utils.noarch 0:4.4.0-2.1
perl-XML-Twig.noarch 0:3.34-1.el6

Configuration

```
# /opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n creamCE -n SGE_utils
```

INFO: Configuring HOST: test27.egi.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: /opt/sge
site-info.def date: Jun 17 16:29 /opt/glite/yaim/etc/site-info.def
yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n creamCE -n SGE_uti

ls

log file: /opt/glite/yaim/bin/./log/yaimlog
Mon Jun 17 16:30:01 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-bdii 4.3.11-1
glite-yaim-core 5.1.0-1
glite-yaim-cream-ce 4.3.2-1
glite-yaim-ge-utils 4.4.0

#####

INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utills
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_vomsmmap_check
INFO: Executing function: config_cream_remove_subcluster_ce_check
INFO: Executing function: config_lcas_lcmaps_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_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 tomcat6: [ OK ]
INFO: blah not running
INFO: Stopping lb processes
glite-lb-locallogger: no process killed
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 2.6
The version retrieved from the creamdb database is 2.6
The creamdb database is synchronized with the one requested by the service
INFO: creamdb.db_info table updated.
delegationcreamdb version requested by the service is 2.6
The version retrieved from the delegationcreamdb database is 2.6
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 tomcat6: [ OK ]
Starting tomcat6: [ 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...
WARNING: /usr/libexec/fetch-crl.sh didn't finish successfully
WARNING: CRLs may not be updated, please have a look !
Enabling periodic fetch-crl: [ OK ]
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
INFO: Executing function: config_vomses
```

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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 tomcat6: [ 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/tomcat6/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 tomcat6: [ 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_20130617_163253
Stopping tomcat6: [ FAILED ]
Starting tomcat6: [ FAILED ]
INFO: Executing function: config_cream_emies_setenv
INFO: Executing function: config_cream_emies
Stopping tomcat6: [ FAILED ]
Starting tomcat6: [ FAILED ]
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 GRID_ops was enabled for one or more FQANS which specify an entire
VO
WARNING: Queue GRID_dteam was enabled for one or more FQANS which specify an enti
re VO

```

```

WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an entire VO
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an entire VO
WARNING: Queue GRID_iberibeu was enabled for one or more FQANs which specify an entire VO
WARNING: Queue GRID_iberibeu 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
INFO: File /etc/glite-ce-glue2/glite-ce-glue2.conf backed-up in /etc/glite-ce-glue2/glite-ce-glue2.conf.bak_20130617_163307
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 tomcat6: [ OK ]
Starting tomcat6: [ 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_sgeenv_setenv
INFO: Executing function: config_sgeenv
INFO: Build the scripts which set the proper SGE environment
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 LeSC 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 successfully.
# User jobs
### Get CE id from ldap
### -> test27.egi.cesga.es:8443/cream-sge-GRID_dteam

### Check user proxy and renew/delegate at CE
2013-06-17 17:26:24,830 NOTICE - Proxy with delegation id [enolID] successfully renewed to endpoint [https://test27.egi.cesga.es:8443//ce-cream/services/gridsite-delegat

```

```
ion]
### Show CE info
Interface Version = [2.1]
Service Version   = [1.14 - EMI version: 2.8.1-1]
Description       = [CREAM 2]
Started at       = [Mon Jun 17 17:00:39 2013]
Submission enabled = [YES]
Status           = [RUNNING]

### Submit simple job
### Job to be submitted:
[
Executable = "/bin/sleep";
Arguments  = "60";
]
https://test27.egi.cesga.es:8443/CREAM182376770

***** JobID=[https://test27.egi.cesga.es:8443/CREAM182376770]
Status      = [PENDING]

### OK!

### Submit job with I/O
113+0 records in
113+0 records out
57856 bytes (58 kB) copied, 0.000762 seconds, 75.9 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";
]
https://test27.egi.cesga.es:8443/CREAM023728464

***** JobID=[https://test27.egi.cesga.es:8443/CREAM023728464]
Status      = [PENDING]

### OK!
220 test27.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5
.2.3] ready.
230 User dteam027 logged in.
std.out: 44 bytes in 0.10 seconds. 0.44 KB/sec
std.err: 16 bytes in 0.10 seconds. 0.16 KB/sec
### Job output
Size of myfile is 57856 and should be 57856
### Job error
Test to stderr!
```

Installation

yum install emi-ge-utils

```

Loaded plugins: kernel-module, priorities, protectbase
Repository EGI-trustanchors is listed more than once in the configuration
571 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package emi-ge-utils.noarch 0:2.0.2-2.1 set to be updated
--> Processing Dependency: glite-yaim-ge-utils for package: emi-ge-utils
--> Processing Dependency: glite-info-dynamic-ge for package: emi-ge-utils
--> Running transaction check
---> Package glite-info-dynamic-ge.noarch 0:7.0.0-3.1 set to be updated
--> Processing Dependency: perl-XML-Twig >= 3.0 for package: glite-info-dynamic-ge
--> Processing Dependency: perl(XML::Twig) for package: glite-info-dynamic-ge
---> Package glite-yaim-ge-utils.noarch 0:4.4.0-2.1 set to be updated
--> Running transaction check
---> Package perl-XML-Twig.noarch 0:3.26-1.fc6 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin

```

Dependencies Resolved

```

=====
Package                               Arch      Version      Repository
-----
Size
=====
Installing:
emi-ge-utils                           noarch    2.0.2-2.1    EMI.cream-ge.sl5.x8
6_64 2.2 k
Installing for dependencies:
glite-info-dynamic-ge                 noarch    7.0.0-3.1    EMI.cream-ge.sl5.x8
6_64 14 k
glite-yaim-ge-utils                   noarch    4.4.0-2.1    EMI.cream-ge.sl5.x8
6_64 18 k
perl-XML-Twig                          noarch    3.26-1.fc6    sl-base
193 k

```

Transaction Summary

```

=====
Install      4 Package(s)
Upgrade      0 Package(s)

```

Total download size: 227 k

Is this ok [y/N]: y

Downloading Packages:

```

(1/4): emi-ge-utils-2.0.2-2.1.noarch.rpm | 2.2
kB 00:00
(2/4): glite-info-dynamic-ge-7.0.0-3.1.noarch.rpm | 14
kB 00:00
(3/4): glite-yaim-ge-utils-4.4.0-2.1.noarch.rpm | 18
kB 00:00
(4/4): perl-XML-Twig-3.26-1.fc6.noarch.rpm | 193
kB 00:01

```

```

-----
Total                                     88 kB/s | 227
kB 00:02

```

Running rpm_check_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

```

Installing      : glite-yaim-ge-utils
                  1/4
Installing      : perl-XML-Twig
                  2/4
Installing      : glite-info-dynamic-ge

```

3/4
Installing : emi-ge-utils
4/4

Installed:
emi-ge-utils.noarch 0:2.0.2-2.1

Dependency Installed:
glite-info-dynamic-ge.noarch 0:7.0.0-3.1 glite-yaim-ge-utils.noarch 0:4.0-2.1
perl-XML-Twig.noarch 0:3.26-1.fc6

Complete!

Configuration

/opt/glite/yaim/bin/yaim -s /opt/glite/yaim/etc/site-info.def -c -n creamCE -n SGE_utils

INFO: Configuring HOST: test27.egi.cesga.es
INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def
INFO:

#####

```
.
.      /'-. ' )
.   yA,--", ( ,m,:/ ) .oo.   oo   o   ooo o.   .oo
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. /      ~ ~ /       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: /opt/sge
site-info.def date: Jun 17 19:04 /opt/glite/yaim/etc/site-info.def
yaim command: -s /opt/glite/yaim/etc/site-info.def -c -n creamCE -n SGE_utils

ls

log file: /opt/glite/yaim/bin/./log/yaimlog
Mon Jun 17 19:22:21 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-bdii 4.3.11-1
glite-yaim-core 5.1.0-1
glite-yaim-cream-ce 4.3.2-1
glite-yaim-ge-utils 4.4.0

#####

INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utills
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_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: glite-lb-locallogger: no process killed
[ OK ]

INFO: blah not running
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 2.6
The version retrieved from the creamdb database is 2.6
The creamdb database is synchronized with the one requested by the service
INFO: creamdb.db_info table updated.
delegationcreamdb version requested by the service is 2.6
The version retrieved from the delegationcreamdb database is 2.6
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_20130617_192408
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 GRID_ops was enabled for one or more FQANs which specify an entire
VO
WARNING: Queue GRID_dteam was enabled for one or more FQANs which specify an entire
VO
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an entire
VO
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an entire
VO
WARNING: Queue GRID_iberibeu was enabled for one or more FQANs which specify an entire
VO
WARNING: Queue GRID_iberibeu 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
INFO: File /etc/glite-ce-glue2/glite-ce-glue2.conf backed-up in /etc/glite-ce-glue2/
glite-ce-glue2.conf.bak_20130617_192531
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_sgeenv_setenv
INFO: Executing function: config_sgeenv
INFO: Build the scripts which set the proper SGE environment
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 LeSC implementation
WARNING: /etc/lrms/vqueues.conf exists and will be copied to /tmp/sge/etc/lrms/vq
ueues.conf!
WARNING: /etc/lrms/cluster.state exists and will be copied to /tmp/sge/etc/lrms/c
luster.state!
WARNING: /etc/lrms/sge.conf exists and will be copied to /tmp/sge/etc/lrms/sge.co
nf!
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
WARNING: /etc/edg-sge-knownhosts.conf exists. Your old file will be saved as /etc
/edg-sge-knownhosts.conf.OLD.0
INFO: Configuration Complete. [ OK ]
]
INFO: YAIM terminated succesfully.

# User test
### Get CE id from ldap
### -> test27.egi.cesga.es:8443/cream-sge-GRID_dteam

### Check user proxy and renew/delegate at CE
2013-06-17 19:38:17,029 NOTICE - Proxy with delegation id [enolID] succesfully renew
ed to endpoint [https://test27.egi.cesga.es:8443//ce-cream/services/gridsite-delegat
ion]
### Show CE info
Interface Version = [2.1]
Service Version = [1.14 - EMI version: 2.9.0-1]
Description = [CREAM 2]
Started at = [Mon Jun 17 19:25:50 2013]
Submission enabled = [YES]
Status = [RUNNING]

### Submit simple job
### Job to be submitted:
[

```

```
Executable = "/bin/sleep";  
Arguments = "60";  
]
```

```
https://test27.egi.cesga.es:8443/CREAM118940559
```

```
***** JobID=[https://test27.egi.cesga.es:8443/CREAM118940559]  
Status = [REGISTERED]
```

```
### OK!
```

```
### Submit job with I/O
```

```
43+0 records in
```

```
43+0 records out
```

```
22016 bytes (22 kB) copied, 0.000313 seconds, 70.3 MB/s
```

```
### Job to be submitted:
```

```
[  
Executable = "script.sh";  
Arguments = "myfile 22016";  
InputSandbox = {"myfile", "script.sh"};  
OutputSandbox = {"std.out", "std.err"};  
StdOutput = "std.out";  
StdError = "std.err";  
OutputSandboxBaseDestUri = "gsiftp://localhost";  
]
```

```
https://test27.egi.cesga.es:8443/CREAM308308419
```

```
***** JobID=[https://test27.egi.cesga.es:8443/CREAM308308419]  
Status = [PENDING]
```

```
### OK!
```

```
220 test27.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5  
.2.3] ready.
```

```
230 User dteam026 logged in.
```

```
std.out: 44 bytes in 0.10 seconds. 0.46 KB/sec
```

```
std.err: 16 bytes in 0.10 seconds. 0.17 KB/sec
```

```
### Job output
```

```
Size of myfile is 22016 and should be 22016
```

```
### Job error
```

```
Test to stderr!
```

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: