

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

Name of the component	cream-sge		
Release	EMI.cream-sge.sl5.x86_64-2.0.1 EMI.cream-sge.sl6.x86_64-2.0.1	RT Ticket	#5325 #5326
Software Provider	EMI		
Release Contact	Name:	E-Mail	
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Validator	Name:	E-Mail	
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V. Hours Worked	6h		
Component status	Accepted	Date	17/05/2013
Verification start date	08/05/2013	Verification end date	17/05/2013

Summary:

Release of the SGE support in EMI-3. It fixes issues with the information provider. It installs without problems but two issues were found:

- **yaim configuration fails with GE versions with major.minor.revision format**
- **job cancel does not work out of the box, due to wrong path in the cancel script.**

Workarounds are available at the GGUS tickets.

APEL parsers generate records correctly.

GGUS Tickets:

- https://ggus.eu/ws/ticket_info.php?ticket=93920
- 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	17	1	5	23
	Specific Quality Criteria			
TP				
VLD	8	2	5	15

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	TP	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription
GENERIC_DOC_2 (Release Notes)	Y	TP	http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-1-04-04-2013-v-3-1-0-1#CREAM_GE_module_v_2_0_1_task_340
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	TP	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI3
GENERIC_DOC_7 (Service Reference Card)	Y	TP	https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEMI2
GENERIC_DOC_8 (Software License)	Y	TP	Apache
GENERIC_DOC_9 (Release changes testing)	Y	TP	https://savannah.cern.ch/task/?34041
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	TP	Available at github repo
GENERIC_DIST_3 (Binary Distribution)	Y	TP	See report, installs without issues
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	TP	Tested with glite-UI
GENERIC_SOFT_2 (New features testing)	Y	TP	No new features
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and sta	Y	TP	Service OK
GENERIC_SERVICE_2 (Log Files)	Y	TP	Logs in /var/log/cream
GENERIC_SERVICE_3 (Service Reliability)	NA		
GENERIC_SERVICE_4 (Service Robustness)	NA		
GENERIC_SERVICE_5 (Automatic Configuration)	N	TP	yaim fails for certain GE versions
GENERIC_SERVICE_6 (Default Password Conf	Y	TP	No default passwords
GENERIC_SERVICE_7 (Default Configuration)	Y	TP	Configuration worked out of the box
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	TP	See report
GENERIC_SEC_3 (Passwords in world readable	Y	TP	No passwords found
MISCELLANEOUS QC			
GENERIC_MISC_1 (Bug Tracking System)	Y	TP	Enrolled in GGUS
AUTHENTICATION QC			
AUTHN_CRED_1 (X.509 Certificate support)	Not tested		Tested in the CREAM verification
AUTHN_CRED_2 (SHA2 Certificate support)	Not tested		Tested in the CREAM verification
AUTHN_CRED_3 (RFC Proxy support)	Not tested		Tested in the CREAM verification
AUTHN_PROTO_1 (TLSSSLv3 Support)	Not tested		Tested in the CREAM verification
AUTHN_DELEG_1 (Delegation Interface)	Not tested		Tested in the CREAM verification
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban UserGroup of users)	Not tested		Tested in the CREAM verification
AUTHZ_PCYDEF_4 (Allowed users definition)	Not tested		Tested in the CREAM verification

AUTHZ_PEP_2 (User Mapping)	Not tested		Tested in the CREAM verification
AUTHZ_PEP_3 (Argus Integration)	Not tested		Tested in the CREAM verification
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	TP	See report
JOBEXEC_JOB_1 (Simple Job)	Y	TP	See report
JOBEXEC_JOB_2 (Simple Job with inputoutput)	Y	TP	See report
JOBEXEC_JOB_3 (Cancel Job)	Y	TP	Jobs are not cancelled
JOBEXEC_EXECMNGR_1 (Not Invasive Deploy)	Y	TP	See report
JOBEXEC_EXECMNGR_2 (Job Management)	N	TP	Jobs are not cancelled
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	TP	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	TP	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)	Not tested		Tested in the CREAM verification
INFOMODEL_SCHEMA_2 (Middleware Version)	Not tested		Tested in the CREAM verification
INFOMODEL_SCHEMA_3 (GlueSchema 2.0 Support)	Not tested		Tested in the CREAM verification
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Not tested		Tested in the CREAM verification
MON_PROBE_GENERIC_2 (Service Probe)	Not tested		Tested in the CREAM verification
MON_PROBE_JOBEXEC_1 (Job Execution Probe)	Not tested		Tested in the CREAM verification
MON_PROBE_JOBEXEC_2 (CREAM Job Execution)	Not tested		Tested in the CREAM verification
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances Accounting)	Y	TP	
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line options coherence)	Not tested		Tested in the CREAM verification
CLIENT_TOOLS_2 (Error Messages)	Not tested		Tested in the CREAM verification

#----- Installation

```
# yum install emi-ge-utils
Loaded plugins: priorities, security
21 packages excluded due to repository priority protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
--> Package emi-ge-utils.noarch 0:2.0.1-1.sl6 will be installed
--> Processing Dependency: glite-yaim-ge-utils for package: emi-ge-utils-2.0.1-1.sl6.noarch
--> Processing Dependency: perl-XML-Twig for package: emi-ge-utils-2.0.1-1.sl6.noarch
--> Processing Dependency: perl-XML-LibXML for package: emi-ge-utils-2.0.1-1.sl6.noarch
--> Processing Dependency: glite-info-dynamic-ge for package: emi-ge-utils-2.0.1-1.sl6.noarch
--> Running transaction check
--> Package glite-info-dynamic-ge.noarch 0:6.0.0-4.sl6 will be installed
--> Package glite-yaim-ge-utils.noarch 0:4.3.0-5.sl6 will be installed
--> Package perl-XML-LibXML.x86_64 1:1.70-5.el6 will be installed
--> Processing Dependency: perl(XML::SAX::DocumentLocator) for package: 1:perl-XML-LibXML-1.70-5.el6.x86_64
--> Processing Dependency: perl(XML::SAX::Base) for package: 1:perl-XML-LibXML-1.70-5.el6.x86_64
--> Processing Dependency: perl(XML::NamespaceSupport) for package: 1:perl-XML-LibXML-1.70-5.el6.x86_64
--> Processing Dependency: perl(XML::SAX::Exception) for package: 1:perl-XML-LibXML-1.70-5.el6.x86_64
--> Package perl-XML-Twig.noarch 0:3.34-1.el6 will be installed
--> Running transaction check
--> Package perl-XML-Namespacesupport.noarch 0:1.10-3.el6 will be installed
--> Package perl-XML-SAX.noarch 0:0.96-7.el6 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
emi-ge-utils	noarch	2.0.1-1.sl6	EMI.cream-sge.sl6.x86_64	1.9 k
Installing for dependencies:				
glite-info-dynamic-ge	noarch	6.0.0-4.sl6	EMI.cream-sge.sl6.x86_64	13 k
glite-yaim-ge-utils	noarch	4.3.0-5.sl6	EMI.cream-sge.sl6.x86_64	16 k
perl-XML-LibXML	x86_64	1:1.70-5.el6	sl	363 k
perl-XML-Namespacesupport	noarch	1.10-3.el6	sl	16 k
perl-XML-SAX	noarch	0.96-7.el6	sl	77 k
perl-XML-Twig	noarch	3.34-1.el6	sl	200 k

Transaction Summary

Install 7 Package(s)

```
Total download size: 687 k
Installed size: 1.9 M
Is this ok [y/N]: y
Downloading Packages:
(1/7): emi-ge-utils-2.0.1-1.sl6.noarch.rpm | 1.9 kB | 00:00
(2/7): glite-info-dynamic-ge-6.0.0-4.sl6.noarch.rpm | 13 kB | 00:00
(3/7): glite-yaim-ge-utils-4.3.0-5.sl6.noarch.rpm | 16 kB | 00:00
(4/7): perl-XML-LibXML-1.70-5.el6.x86_64.rpm | 363 kB | 00:02
(5/7): perl-XML-Namespacesupport-1.10-3.el6.noarch.rpm | 16 kB | 00:00
(6/7): perl-XML-SAX-0.96-7.el6.noarch.rpm | 77 kB | 00:00
(7/7): perl-XML-Twig-3.34-1.el6.noarch.rpm | 200 kB | 00:01
```

Total 108 kB/s | 687 kB | 00:06

Running rpm_check_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing : perl-XML-Twig-3.34-1.el6.noarch | 1/7
Installing : perl-XML-Namespacesupport-1.10-3.el6.noarch | 2/7
Installing : perl-XML-SAX-0.96-7.el6.noarch | 3/7
Installing : 1:perl-XML-LibXML-1.70-5.el6.x86_64 | 4/7
Installing : glite-info-dynamic-ge-6.0.0-4.sl6.noarch | 5/7
Installing : glite-yaim-ge-utils-4.3.0-5.sl6.noarch | 6/7
Installing : emi-ge-utils-2.0.1-1.sl6.noarch | 7/7
Verifying : 1:perl-XML-LibXML-1.70-5.el6.x86_64 | 1/7
Verifying : perl-XML-Namespacesupport-1.10-3.el6.noarch | 2/7
Verifying : emi-ge-utils-2.0.1-1.sl6.noarch | 3/7
Verifying : glite-yaim-ge-utils-4.3.0-5.sl6.noarch | 4/7
Verifying : perl-XML-Twig-3.34-1.el6.noarch | 5/7
Verifying : glite-info-dynamic-ge-6.0.0-4.sl6.noarch | 6/7
Verifying : perl-XML-SAX-0.96-7.el6.noarch | 7/7
```

Installed:

emi-ge-utils.noarch 0:2.0.1-1.s16

Dependency Installed:

glite-info-dynamic-ge.noarch 0:6.0.0-4.s16 glite-yaim-ge-utils.noarch 0:4.3.0-5.s16
perl-XML-LibXML.x86_64 1:1.70-5.el6 perl-XML-Namespacesupport.noarch 0:1.10-3.el6
perl-XML-SAX.noarch 0:0.96-7.el6 perl-XML-Twig.noarch 0:3.34-1.el6

Complete!

#----- Configuration

/opt/glite/yaim/bin/yaim -c -s /etc/yaim/site-info.def -n creamCE -n SGE_utils
INFO: Configuring HOST: test19.egi.cesga.es
INFO: Using site configuration file: /etc/yaim/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: /root
site-info.def date: May 10 09:33 /etc/yaim/site-info.def
yaim command: -c -s /etc/yaim/site-info.def -n creamCE -n SGE_utils
log file: /opt/glite/yaim/bin/./log/yaimlog
Fri May 10 09:34:21 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-bdii 4.3.13-1
glite-yaim-core 5.1.1-1
glite-yaim-cream-ce 4.4.1-4
glite-yaim-sge-utils 4.3.0-5

#####

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_vomsmmap_check
INFO: Executing function: config_cream_remove_subcluster_ce_check
INFO: Executing function: config_lcas_lcmgs_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...
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 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_lcmapi_gt4_setenv
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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_20130510_093522
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 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_20130510_093536
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/run/glite/glite-lb-interlogd.pid for glite-lb-interlogd
Warning: stale /var/run/glite/glite-lb-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
WARNING: /opt/sge//opt/sge/default/common/accounting doesn't exist. Probably SGE is installed but not configured
yet...
INFO: Making /opt/sge//opt/sge/default/common/accounting/common ...

```

```

INFO: Build the scripts which set the proper SGE environment
WARNING: sge_qmaster already defined in /etc/services on port 6444/tcp
6444/udp and different from 6444/tcp. Overwrite sge_qmaster port in /etc/services using 6444/tcp port
WARNING: sge_execd already defined in /etc/services on port 6445/tcp
6445/udp and different from 6445/tcp. Overwrite sge_execd port in /etc/services using 6445/tcp port
INFO: Executing function: config_sgesub_setenv
INFO: Executing function: config_sgesub
INFO: Executing function: config_sgegg_setenv
INFO: Executing function: config_sgegg
cat: /etc/lcas/lcas-suexec.db: No such file or directory
INFO: Executing function: config_gip_sge_setenv
INFO: Executing function: config_gip_sge
INFO: Build InfoProvider based on LeSC implementation
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/ssh/shosts.equiv doesn't exist. Create it!
WARNING: /etc/ssh/ssh_known_hosts doesn't exist. Create it!
WARNING: /etc/edg-sge-knownhosts.conf exists. Your old file will be saved as /etc/edg-sge-knownhosts.conf.OLD.1
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.

```

```
# ----- World writable files
```

```
# find / -type f -perm -002 -exec ls -l {} \; | grep -v proc
find: /proc/2656/task/2656/fdinfo/4: No such file or directory
find: /proc/2656/fdinfo/4: No such file or directory
-rw-rw-rw- 1 tomcat tomcat 0 May 16 17:41 /var/tmp/cream_tomcat_registry.db/registry.locktest
```

```
# rpm -qalv | egrep "^[^d][^r][^w][^xs]){2}[^r]w"
drwxrwxrwt 2 root root 0 Jan 13 2011 /var/cache/coolkey
-rw-rw-rw- 1 root root 0 Apr 24 21:40 /var/run/nscd/socket
drwxrwxrwt 2 root root 0 Oct 7 2009 /tmp
drwxrwxrwt 2 root root 0 Oct 7 2009 /var/tmp
drwxrwxrwt 2 root root 0 Jun 17 2009 /var/spool/vbox
drwxrwxrwt 2 root root 0 Jan 13 2011 /var/cache/coolkey
```

```
# ----- User side test
```

```
/tmp/tmp.yLBnT23540 ~/tests/egi/jobexec
```

```
### Get CE id from ldap
### -> test19.egi.cesga.es:8443/cream-sge-GRID_dteam
```

```
### Check user proxy and renew/delegate at CE
2013-05-17 10:09:05,411 WARN - No configuration file suitable for loading. Using built-in configuration
2013-05-17 10:09:05,749 ERROR - Received NULL fault; the error is due to another cause: FaultString=[delegation
[delegId=enolID; dn=CN_Enol_Fernandez_delCastillo_0_ifca_DC_irisgrid_DC_es; localUser=dteam026] not found!] -
FaultCode=[SOAP-ENV:Server] - FaultSubCode=[SOAP-ENV:Server]
2013-05-17 10:09:05,789 WARN - No configuration file suitable for loading. Using built-in configuration
2013-05-17 10:09:07,362 NOTICE - Proxy with delegation id [enolID] succesfully delegated to endpoint [https://
test19.egi.cesga.es:8443/ce-cream/services/gridsite-delegation]
0, deletage proxy
```

```
### Show CE info
2013-05-17 10:09:07,400 WARN - No configuration file suitable for loading. Using built-in configuration
Interface Version = [2.1]
Service Version = [1.15 - EMI version: 3.1.1-1]
Description = [CREAM 2]
Started at = [Thu May 16 10:53:36 2013]
Submission enabled = [YES]
Status = [RUNNING]
```

```
### Submit simple job
### Job to be submitted:
Executable = "/bin/sleep";
Arguments = "60";
2013-05-17 10:09:07,635 WARN - No configuration file suitable for loading. Using built-in configuration
https://test19.egi.cesga.es:8443/CREAM997551825
2013-05-17 10:09:08,195 WARN - No configuration file suitable for loading. Using built-in configuration
```

```
***** JobID=[https://test19.egi.cesga.es:8443/CREAM997551825]
Status = [REGISTERED]
```

```
[enol@gridui01 jobexec]$ ./test.sh test19.egi.cesga.es
/tmp/tmp.DStya24143 ~/tests/egi/jobexec
```

```
### Get CE id from ldap
### -> test19.egi.cesga.es:8443/cream-sge-GRID_dteam
```



```
### Check user proxy and renew/delegate at CE
2013-05-17 10:09:36,585 WARN - No configuration file suitable for loading. Using built-in configuration
2013-05-17 10:09:38,612 NOTICE - Proxy with delegation id [enoID] succesfully renewed to endpoint [https://
test19.egi.cesga.es:8443//ce-cream/services/gridsite-delegation]
### Show CE info
2013-05-17 10:09:38,652 WARN - No configuration file suitable for loading. Using built-in configuration
Interface Version = [2.1]
Service Version = [1.15 - EMI version: 3.1.1-1]
Description = [CREAM 2]
Started at = [Thu May 16 10:53:36 2013]
Submission enabled = [YES]
Status = [RUNNING]

### Submit simple job
### Job to be submitted:
Executable = "/bin/sleep";
Arguments = "60";
2013-05-17 10:09:38,886 WARN - No configuration file suitable for loading. Using built-in configuration
https://test19.egi.cesga.es:8443/CREAM303836432
2013-05-17 10:09:39,712 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM303836432]
Status = [PENDING]
2013-05-17 10:11:39,952 WARN - No configuration file suitable for loading. Using built-in configuration
### OK!

### Submit job with I/O
82+0 records in
82+0 records out
41984 bytes (42 kB) copied, 0.000556 seconds, 75.5 MB/s
### Job to be submitted:
Executable = "script.sh";
Arguments = "myfile 41984";
InputSandbox = {"myfile", "script.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput = "std.out";
StdError = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
2013-05-17 10:11:40,222 WARN - No configuration file suitable for loading. Using built-in configuration
https://test19.egi.cesga.es:8443/CREAM888649105
2013-05-17 10:11:43,214 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM888649105]
Status = [PENDING]
2013-05-17 10:13:43,556 WARN - No configuration file suitable for loading. Using built-in configuration
### OK!
2013-05-17 10:13:43,801 WARN - No configuration file suitable for loading. Using built-in configuration
220 test19.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5.2.2] ready.
230 User dteam026 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 41984 and should be 41984
### Job error
Test to stderr!

### Cancel job
### Job to be submitted:
Executable = "/bin/sleep";
Arguments = "10m";
2013-05-17 10:13:44,835 WARN - No configuration file suitable for loading. Using built-in configuration
https://test19.egi.cesga.es:8443/CREAM081040393
2013-05-17 10:13:45,421 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM081040393]
Status = [PENDING]
2013-05-17 10:15:15,664 WARN - No configuration file suitable for loading. Using built-in configuration
2013-05-17 10:16:46,131 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM081040393]
Status = [REALLY-RUNNING]
2013-05-17 10:16:46,370 WARN - No configuration file suitable for loading. Using built-in configuration
### Job is not cancelled and it should!
2013-05-17 10:16:46,596 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM081040393]
Status = [REALLY-RUNNING]
~/tests/egi/jobexec
```

```

# --- Test cancel with sge_cancel patch

### Cancel job
### Job to be submitted:
Executable = "/bin/sleep";
Arguments = "10m";
2013-05-17 10:21:52,740 WARN - No configuration file suitable for loading. Using built-in configuration
https://test19.egi.cesga.es:8443/CREAM498312838
2013-05-17 10:21:53,356 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM498312838]
Status = [PENDING]
2013-05-17 10:23:23,609 WARN - No configuration file suitable for loading. Using built-in configuration
2013-05-17 10:24:53,928 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM498312838]
Status = [CANCELLED]
ExitCode = []
Description = [Cancelled by user]
2013-05-17 10:24:54,177 WARN - No configuration file suitable for loading. Using built-in configuration
### OK!

### Submit parallel job 2 CPUs
### Job to be submitted:
Executable = "/usr/bin/mpi-start";
CPUNumber = 2;
Arguments = "-t dummy -- counter.sh cpus 2";
InputSandbox = {"counter.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput = "std.out";
StdError = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
2013-05-17 11:34:20,148 WARN - No configuration file suitable for loading. Using built-in configuration
https://test19.egi.cesga.es:8443/CREAM315978729
2013-05-17 11:34:21,797 WARN - No configuration file suitable for loading. Using built-in configuration

***** JobID=[https://test19.egi.cesga.es:8443/CREAM315978729]
Status = [PENDING]
2013-05-17 11:44:22,038 WARN - No configuration file suitable for loading. Using built-in configuration
### OK!
2013-05-17 11:44:22,295 WARN - No configuration file suitable for loading. Using built-in configuration
220 test19.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5.2.2] ready.
230 User dteam026 logged in.
std.out: 59 bytes in 0.10 seconds. 0.59 KB/sec
std.err: 0.10 seconds.
### Job output
NP: 2
HOSTS: 1
SLOTS: 2
HOSTS-SLOTS:
test27.egi.cesga.es 2
### Job error

# ----- Generation of accounting records

$ /usr/bin/apelparser
2013-05-17 11:17:25,254 - parser - INFO - =====
2013-05-17 11:17:25,254 - parser - INFO - Starting apel parser version 1.1.0
2013-05-17 11:17:25,313 - apel.db.backends.mysql - INFO - Connected to test07.egi.cesga.es:3306
2013-05-17 11:17:25,313 - apel.db.backends.mysql - INFO - Database: apelclient; username: apel
2013-05-17 11:17:25,314 - parser - INFO - Connection to DB established
2013-05-17 11:17:25,314 - parser - INFO - =====
2013-05-17 11:17:25,314 - parser - INFO - Setting up parser for blah files
2013-05-17 11:17:25,323 - apel.parsers.parser - INFO - Site: UMD-VERIFICATION; batch system: test19.egi.cesga.es
2013-05-17 11:17:25,323 - parser - INFO - Scanning directory: /var/log/cream/accounting
2013-05-17 11:17:25,324 - parser - INFO - Parsing file: /var/log/cream/accounting/blahp.log-20130515
2013-05-17 11:17:25,346 - parser - INFO - Parsed 5 lines
2013-05-17 11:17:25,346 - parser - INFO - Ignored 0 lines (incomplete jobs)
2013-05-17 11:17:25,346 - parser - INFO - Failed to parse 0 lines
2013-05-17 11:17:25,347 - parser - INFO - Parsing file: /var/log/cream/accounting/blahp.log-20130516
2013-05-17 11:17:25,363 - parser - INFO - Parsed 11 lines
2013-05-17 11:17:25,363 - parser - INFO - Ignored 0 lines (incomplete jobs)
2013-05-17 11:17:25,364 - parser - INFO - Failed to parse 0 lines
2013-05-17 11:17:25,364 - parser - INFO - Parsing file: /var/log/cream/accounting/blahp.log-20130517
2013-05-17 11:17:25,375 - parser - INFO - Parsed 7 lines
2013-05-17 11:17:25,376 - parser - INFO - Ignored 0 lines (incomplete jobs)
2013-05-17 11:17:25,376 - parser - INFO - Failed to parse 0 lines
2013-05-17 11:17:25,379 - parser - INFO - Finished parsing blah log files.
2013-05-17 11:17:25,380 - parser - INFO - =====

```

```
2013-05-17 11:17:25,380 - parser - INFO - Setting up parser for SGE files
2013-05-17 11:17:25,382 - apel.parsers.parser - INFO - Site: UMD-VERIFICATION; batch system: test19.egi.cesga.es
2013-05-17 11:17:25,383 - parser - INFO - Scanning directory: /opt/sge/default/common
2013-05-17 11:17:25,383 - parser - INFO - Filename does not match configuration: sge_qstat
2013-05-17 11:17:25,384 - parser - INFO - Parsing file: /opt/sge/default/common/accounting
2013-05-17 11:17:25,411 - parser - INFO - Parsed 26 lines
2013-05-17 11:17:25,411 - parser - INFO - Ignored 0 lines (incomplete jobs)
2013-05-17 11:17:25,412 - parser - INFO - Failed to parse 5 lines
2013-05-17 11:17:25,412 - parser - ERROR - Zero epoch time for field StopTime raised 1 times
2013-05-17 11:17:25,412 - parser - ERROR - list index out of range raised 4 times
2013-05-17 11:17:25,413 - parser - INFO - Filename does not match configuration: qtask
2013-05-17 11:17:25,413 - parser - INFO - Filename does not match configuration: sge_request
2013-05-17 11:17:25,413 - parser - INFO - Filename does not match configuration: sgemaster
2013-05-17 11:17:25,414 - parser - INFO - Filename does not match configuration: cluster_name
2013-05-17 11:17:25,414 - parser - INFO - Filename does not match configuration: settings.sh
2013-05-17 11:17:25,414 - parser - INFO - Filename does not match configuration: sched_configuration
2013-05-17 11:17:25,415 - parser - INFO - Filename does not match configuration: sgeexecd
2013-05-17 11:17:25,415 - parser - INFO - Filename does not match configuration: bootstrap
2013-05-17 11:17:25,415 - parser - INFO - Filename does not match configuration: configuration
2013-05-17 11:17:25,415 - parser - INFO - Filename does not match configuration: settings.csh
2013-05-17 11:17:25,416 - parser - INFO - Filename does not match configuration: sge_aliases
2013-05-17 11:17:25,416 - parser - INFO - Filename does not match configuration: act_qmaster
2013-05-17 11:17:25,417 - parser - INFO - Finished parsing SGE log files.
2013-05-17 11:17:25,418 - parser - INFO - Parser has completed.
2013-05-17 11:17:25,418 - parser - INFO - =====
```

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: