

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

Name of the component			
Release	<b>emi.cream.sl5.x86_64-1.14.0</b>	RT Ticket	#3928
Software Provider			
Release Contact	Name: Cristina Aiftimiei	E-Mail: cristina.aiftimiei@pd.infn.it	
Validator	Name: Esteban Freire García	E-Mail: esfreire@cesga.es	
V. Hours Worked	8		
Component status	<b>Verified</b>	Date	12/06/12
Verification start date	07/06/12	Verification end date	12/06/12

**Summary:**

**emi.cream.sl5.x86\_64-1.14.0 was updated from UMD-2 repository from UMD-1 and from scratch without any issue.**

**GGUS Tickets:**

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	18			18
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	18			18

## Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/N)	Tested (TP/VLD)	Comments
<b>DOCUMENTATION QC</b>			
GENERIC_DOC_1 (Functional Description)	Optional		
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#CREAM_v_1_14_0_task_21059">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#CREAM_v_1_14_0_task_21059</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2">https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2</a>
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2#Man_pages_for_CREAM_Command_Lin">https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2#Man_pages_for_CREAM_Command_Lin</a>
GENERIC_DOC_5 (API Documentation)	Y	VLD	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/DevelopersDocumentation">https://wiki.italiangrid.it/twiki/bin/view/CREAM/DevelopersDocumentation</a>
GENERIC_DOC_6 (Administrator Documentat	Y	VLD	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI2">https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI2</a>
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEMI2">https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEMI2</a>
GENERIC_DOC_8 (Software License)	Y	VLD	Emi-cream: Apache Software License 2.0
GENERIC_DOC_9 (Release changes testing)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#CREAM_v_1_14_0_task_21059">https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#CREAM_v_1_14_0_task_21059</a>
<b>SOFTWARE DISTRIBUTION QC</b>			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	<a href="http://emisoft.web.cern.ch/emisoft/dist/EMI/2/s15/SRPMS/base/glite-jdl-api-java-3.2.0-3.s15.src.rpm">http://emisoft.web.cern.ch/emisoft/dist/EMI/2/s15/SRPMS/base/glite-jdl-api-java-3.2.0-3.s15.src.rpm</a>
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	<a href="http://emisoft.web.cern.ch/emisoft/dist/EMI/2/s15/x86_64/base/glite-jdl-api-java-3.2.0-3.s15.noarch.rpm">http://emisoft.web.cern.ch/emisoft/dist/EMI/2/s15/x86_64/base/glite-jdl-api-java-3.2.0-3.s15.noarch.rpm</a>
<b>SOFTWARE FEATURES QC</b>			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	
GENERIC_SOFT_2 (New features testing)	Y	VLD	
<b>SERVICE CRITERIA QC</b>			
GENERIC_SERVICE_1 (Service control and s	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Optional		
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configurati	Optional		
GENERIC_SERVICE_6 (Default Password Co	Y	VLD	
<b>SECURITY QC</b>			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_3 (Passwords in world reada	Y	VLD	
<b>MISCELLANEOUS QC</b>			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	GGUS
<b>AUTHENTICATION QC</b>			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_DELEG_1 (Delegation Interface)	Y	VLD	
<b>AUTHORISATION QC</b>			
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	
<b>JOB EXECUTION QC</b>			
JOBEXEC_IFACE_1 (Job Execution Interface	Y	VLD	
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	
JOBEXEC_JOB_2 (Simple Job with input/outp	Y	VLD	
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	
JOBEXEC_EXECMNGR_1 (Not Invasive Dep	Y	VLD	
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	
JOBEXEC_EXECMNGR_3 (Information Retri	Y	VLD	
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	
JOBEXEC_AVAIL_2 (Self Disabling Mechanis	Optional		
JOBEXEC_AVAIL_4 (Timely Job Status Upda	Optional		
<b>PARALLEL JOB QC</b>			
PARALLEL_JOB_1 (Simple parallel job submi	Y	VLD	
PARALLEL_JOB_2 (Single machine parallel jd	Optional		
PARALLEL_JOB_3 (Fine grained mapping par	Optional		
<b>MONITORING PROBES QC</b>			
MON_PROBE_GENERIC_1 (Certificate Lifetim	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
MON_PROBE_JOBEXEC_1 (Job Execution P	Y	VLD	
MON_PROBE_JOBEXEC_2 (CREAM Job Ex	Y	VLD	
<b>ACCOUNTING CAPABILITY QC</b>			
ACC_JOBEXEC_1 (Job Execution Appliances	Y	VLD	
<b>CLIENT TOOLS QC</b>			
CLIENT_TOOLS_1 (Command lineOptions co	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

**Validator comments:**

emi.cream.sl5.x86\_64-1.14.0 was updated from UMD-2 repository from UMD-1 and from scratch without any issue.

== EMI.cream.sl5.x86\_64-1.14.0 ==

=== Ticket assigned ===

\* [[<https://rt.egi.eu/rt/Ticket/Display.html?id=3928>]]

=== Repositories ===

(!) Verifier must install a new repo for each product, this information is available at RT ticket field:

```
{{{
[root@test06 yum.repos.d]# cat EMI.cream.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3928,582,509)
```

```
[EMI.cream.sl5.x86_64]
name=EMI.cream.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.cream.sl5.x86_64/1/14/0/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi
```

```
}}}
```

=== Installing ===

==== Updating =====

\* yum clean all;yum update

```
{{{
```

```
=====
```

Package	Arch	Version
Repository	Size	

```
=====
```

Installing:

gridsite-libs	x86_64	1.7.21-
2.e15	EMI.cream.sl5.x86_64	131 k
replacing gridsite-shared.x86_64	1.7.19-1.e15	
kernel	x86_64	2.6.18-
308.8.1.e15	sl-security	21 M
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-cream-ce	x86_64	1.1.0-
4.sl5	EMI.cream.sl5.x86_64	2.3 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		
glexec	x86_64	0.9.6-1.e15
EMI.cream.sl5.x86_64	86 k	
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-jobid-api-c	x86_64	2.1.2-
2.e15	EMI.cream.sl5.x86_64	9.1 k
glite-lb-common	x86_64	8.1.3-
3.e15	EMI.cream.sl5.x86_64	115 k
glite-lb-logger	x86_64	2.3.4-
2.e15	EMI.cream.sl5.x86_64	78 k
glite-lbjp-common-gss	x86_64	
3.1.3-2.e15	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
lcas	x86_64	1.3.18-2.el5
EMI.cream.sl5.x86_64	25 k	
lcas-lcmmaps-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
lcmmaps	x86_64	1.5.5-1.el5
EMI.cream.sl5.x86_64	86 k	
lcmmaps-plugins-basic	x86_64	1.5.0-
3.el5	EMI.cream.sl5.x86_64	38 k
lcmmaps-plugins-verify-proxy	x86_64	
1.5.2-1.el5	EMI.cream.sl5.x86_64	
28 k		
lcmmaps-plugins-voms	x86_64	
1.5.3-1.el5	EMI.cream.sl5.x86_64	
48 k		
openssl	i686	0.9.8e-
22.el5_8.4	sl-security	1.5 M
openssl	x86_64	0.9.8e-
22.el5_8.4	sl-security	1.5 M
tzdata	x86_64	2012c-1.el5
sl-security	766 k	
tzdata-java	x86_64	2012c-
1.el5	sl-security	181 k
voms	x86_64	2.0.8-1.el5
EMI.cream.sl5.x86_64	163 k	
voms-clients	x86_64	2.0.8-
1.el5	EMI.cream.sl5.x86_64	171 k
Removing:		
kernel	x86_64	2.6.18-
238.5.1.el5	installed	93 M
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-cream-es	noarch	1.14.0-
4.sl5	EMI.cream.sl5.x86_64	58 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	
jdk	x86_64	
2000:1.6.0_31-fcs	sl-security	
68 M		
kill-stale-ftp	noarch	1.0.1-1.sl5
EMI.cream.sl5.x86_64	3.3 k	
voms-api-java	noarch	2.0.8-
1.el5	EMI.cream.sl5.x86_64	154 k

}}}

==== Configuration of a CREAM CE node in no cluster mode =====

==== Configure the siteinfo.def file =====

\* Set your siteinfo.def file, which is the input file used by yaim. Documentation about yaim variables relevant for CREAM CE is available at:

\* [[[https://twiki.cern.ch/twiki/bin/view/LCG/Site-info\\_configuration\\_variables#cream\\_CE](https://twiki.cern.ch/twiki/bin/view/LCG/Site-info_configuration_variables#cream_CE)]]

===== Configuring with YAIM =====

{{{

```
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n MPI_CE -n creamCE  
-n TORQUE_server -n TORQUE_utils
```

[ ..... ]

Max open servers: 9

set queue GRID\_iberibeu queue\_type = Execution

set queue GRID\_iberibeu resources\_max.cput = 48:00:00

set queue GRID\_iberibeu resources\_max.walltime = 72:00:00

set queue GRID\_iberibeu enabled = True

set queue GRID\_iberibeu started = True

set queue GRID\_iberibeu acl\_group\_enable = True

DEBUG: Mapping: iber.vo.ibergrid.eu --> iberibeu

DEBUG: Mapping:

/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=VO-Admin -->

iberibeusgm

DEBUG: Mapping:

/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=Production -->

iberibeuprd

Shutting down TORQUE Server: [ OK ]

/var/torque/server\_priv/serverdb

Starting TORQUE Server: [ OK ]

DEBUG: zip server log

INFO: Executing function: config\_mauai\_cfg\_setenv

DEBUG: Currently this function doesn't set any environment variables.

INFO: Executing function: config\_mauai\_cfg

INFO: configuring mauai ...

DEBUG: Saving the existing mauai configuration

MPI\_CE creamCE TORQUE\_server TORQUE\_utils

DEBUG: Starting Maui ...

Shutting down MAUI Scheduler: [ OK ]

Starting MAUI Scheduler: [ OK ]

INFO: Executing function: config\_apel\_pbs\_setenv

DEBUG: This function currently doesn't set any environment variables.

INFO: Executing function: config\_apel\_pbs

DEBUG: Check if the parser config template (/etc/glite-apel-pbs/parser-config.xml)

exists, exits if not

DEBUG: TORQUE\_VAR\_DIR is set

DEBUG: BATCH\_ACCT\_DIR not set. Using /var/torque/server\_priv/accounting

DEBUG: Create a parser config xml file (/etc/glite-apel-pbs/parser-config-yaim.xml)

DEBUG: Creating APEL parser configuration in /etc/glite-apel-pbs/parser-config-

yaim.xml

DEBUG: Change the ownership and permissions of the created config file

```
DEBUG: Add a cron job (glite-apel-pbs-parser) for periodic configuration.
INFO: Executing function: config_gip_sched_plugin_pbs_setenv
DEBUG: This function currently doesn't set any environment variables.
INFO: Executing function: config_gip_sched_plugin_pbs
DEBUG: TORQUE_VAR_DIR is set
DEBUG: Checks if the batch system is correct for this function
DEBUG: Define the 'max jobs' cmd for the VOs
DEBUG: Add BATCH_SERVER to the /var/torque/server_name file to enable torque
clients
DEBUG: Create ERT configuration
DEBUG: Skipping function: config_torque_submitter_ssh_setenv because it is not
defined
INFO: Executing function: config_torque_submitter_ssh
DEBUG: TORQUE_VAR_DIR is set
Starting MUNGE:
Reloading sshd: [ OK ]
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.
```

```
}}}  
=== TESTING ===  
==== Checking ldap (OK) =====
```

```
{  
[root@ce2 etc]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid  
}}
```

```
{  
[root@ce2 cron.d]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid | grep  
GlueCEStateFreeCPUs  
GlueCEStateFreeCPUs: 2  
GlueCEStateFreeCPUs: 2  
GlueCEStateFreeCPUs: 2  
GlueCEStateFreeCPUs: 2  
}}
```

```
{  
[root@ce2 cron.d]# ldapsearch -x -H ldap://sbdii02.ncg.ingrid.pt:2170 -b o=grid | grep  
test06  
# test06.egi.cesga.es, UMD-VERIFICATION, grid  
dn: GlueClusterUniqueID=test06.egi.cesga.es,Mds-Vo-name=UMD-  
VERIFICATION,o=gri  
GlueClusterUniqueID: test06.egi.cesga.es  
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_ops  
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam  
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu  
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu  
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops  
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam  
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibe
```



```
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberib
GlueClusterName: test06.egi.cesga.es
[ ..... ]
}}}
```

```
{}
[root@ce2 etc]# ldapsearch -x -H ldap://topbdii02.ncg.ingrid.pt:2170 -b o=grid | grep
test06
# test06.egi.cesga.es, UMD-VERIFICATION, local, grid
dn: GlueClusterUniqueID=test06.egi.cesga.es,Mds-Vo-name=UMD-
VERIFICATION,Mds-V
GlueClusterUniqueID: test06.egi.cesga.es
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibergrid
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_ibergrid
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibe
GlueForeignKey: GlueCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ibergr
GlueClusterName: test06.egi.cesga.es
}}}
```

==== Checking if ssh works in bidirectional sense ====

\* From WN to CE (OK)

```
{}

```

```
[root@test14 ~]# su - dteam004
[dteam004@test14 ~]$ ssh test06.egi.cesga.es
[dteam004@test06 ~]$
```

```
}}}
```

==== Trying some internal commands ====

```
{}
[root@test06 etc]# qstat -B
Server      Max Tot Que Run Hld Wat Trn Ext Status
-----
test06.egi.cesga  0  0  0  0  0  0  0  0 Active
```

```
[root@test06 etc]# qstat -Q
Queue      Max Tot Ena Str Que Run Hld Wat Trn Ext T
-----
GRID_ibergrid  0  0 yes yes  0  0  0  0  0  0 E
GRID_ops      0  0 yes yes  0  0  0  0  0  0 E
GRID_dteam    0  0 yes yes  0  0  0  0  0  0 E
GRID_opsibeu  0  0 yes yes  0  0  0  0  0  0 E
```

```
GRID_iberibeu    0  0 yes yes  0  0  0  0  0  0 E
```

```
[root@test06 etc]# qstat -q
```

```
server: test06.egi.cesga.es
```

```
Queue      Memory CPU Time Walltime Node Run Que Lm State
-----
GRID_ibergrid  -- 48:00:00 72:00:00 -- 0 0 -- E R
GRID_ops      -- 48:00:00 72:00:00 -- 0 0 -- E R
GRID_dteam    -- 48:00:00 72:00:00 -- 0 0 -- E R
GRID_opsibeu  -- 48:00:00 72:00:00 -- 0 0 -- E R
GRID_iberibeu -- 48:00:00 72:00:00 -- 0 0 -- E R
          -----
                0  0
```

```
[root@test06 etc]# qstat -q
```

```
server: test06.egi.cesga.es
```

```
Queue      Memory CPU Time Walltime Node Run Que Lm State
-----
GRID_ibergrid  -- 48:00:00 72:00:00 -- 0 0 -- E R
GRID_ops      -- 48:00:00 72:00:00 -- 0 0 -- E R
GRID_dteam    -- 48:00:00 72:00:00 -- 0 0 -- E R
}}}
```

```
==== Submitting a job from the CESGA UI =====
```

```
{{{
```

```
[esfreire@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es esfreire
2012-01-16 17:16:39,606 NOTICE - Proxy with delegation id [esfreire] succesfully
delegated to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
[esfreire@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es esfreire
2012-01-16 17:17:51,075 NOTICE - Proxy with delegation id [esfreire] succesfully
renewed to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
}}}
```

```
{{{
```

```
{{{
```

```
[esfreire@test13 ~]$ glite-ce-job-submit -D esfreire -r test06.egi.cesga.es:8443/cream-
pbs-GRID_ops testCream1.jdl
https://test06.egi.cesga.es:8443/CREAM976905590
```

```
[esfreire@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM976905590
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM976905590]
        Status    = [DONE-OK]
        ExitCode   = [0]
```

```
}}}
```

```
==== Submitting a MPI job =====
```

```
{
{
{
[esfreire@test13 verification]$ cat job1.jdl
CPUNumber    = 4;
Executable   = "/usr/bin/mpi-start";
Arguments    = "-v -pre hooks.sh cpi";
InputSandbox = {"cpi.c", "hooks.sh"};
StdOutput    = "std.out";
StdError     = "std.err";
OutputSandbox = {"std.out", "std.err"};
##OutputSandboxBaseDestUri = "gsiftp://localhost";
OutputSandboxBaseDestUri = "gsiftp://se2.egi.cesga.es/tmp";
Requirements =
  Member("MPI-START", other.GlueHostApplicationSoftwareRunTimeEnvironment)
&&
  Member("OPENMPI", other.GlueHostApplicationSoftwareRunTimeEnvironment);
}}}
```

```
{
{
{
[esfreire@test13 verification]$ cat cat hooks.sh
#!/bin/sh
```

```
pre_run_hook () {
```

```
  # Compile the program.
  echo "Compiling ${I2G_MPI_APPLICATION}"
```

```
  sleep 20
```

```
  # Actually compile the program.
  cmd="mpicc ${MPI_MPICC_OPTS} -o ${I2G_MPI_APPLICATION} $
${I2G_MPI_APPLICATION}.c"
  $cmd
  if [ ! $? -eq 0 ]; then
    echo "Error compiling program. Exiting..."
```

```
    return 1
fi

# Everything's OK.
echo "Successfully compiled ${I2G_MPI_APPLICATION}"

return 0
}

}}
* Applying 4 CPUS fails
{{{
[esfreire@test13 verification]$ glite-ce-job-submit -D esfreire12 -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM297441068
```

```
[esfreire@test13 verification]$ glite-ce-job-status -L 2
https://test06.egi.cesga.es:8443/CREAM297441068
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM297441068]
Current Status = [DONE-OK]
```

```
}}}
```

```
{{{
[root@se2 tmp]# cat std.err
mpi-start [INFO ]:
*****
mpi-start [INFO ]: UID = opssgm006
mpi-start [INFO ]: HOST = test15.egi.cesga.es
mpi-start [INFO ]: DATE = Thu Jun 7 14:26:12 CEST 2012
mpi-start [INFO ]: VERSION = 1.2.0
mpi-start [INFO ]:
*****
mpi-start [INFO ]: search for scheduler
mpi-start [INFO ]: activate support for pbs
mpi-start [INFO ]: Unable to detect number of cores per cpu, assuming 1
mpi-start [INFO ]: Detected 0 CPU socket(s) and 1 core(s) per CPU
mpi-start [INFO ]: activate support for openmpi
mpi-start [INFO ]: call backend MPI implementation
mpi-start [INFO ]: start program with mpirun
Process 0 on test15.egi.cesga.es: n=1
Using 16384 intervals
Process 3 on test14.egi.cesga.es: n=1
Process 2 on test14.egi.cesga.es: n=1
Process 1 on test15.egi.cesga.es: n=1
[root@se2 tmp]# cat std.out
```

Compiling cpi

Successfully compiled cpi

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/.tmp\_file: time

stamp 2012-06-07 14:26:10 is 23 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/std.out: time stamp

2012-06-07 14:26:32 is 45 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/cpi.c: time stamp

2012-06-07 14:26:10 is 23 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/.tmp\_file: time

stamp 2012-06-07 14:26:10 is 23 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/hooks.sh: time

stamp 2012-06-07 14:26:11 is 24 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/std.err: time stamp

2012-06-07 14:26:12 is 25 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068/cpi: time stamp

2012-06-07 14:26:32 is 45 s in the future

tar: home/opssgm006/home\_cream\_297441068/CREAM297441068: time stamp 2012-

06-07 14:26:32 is 45 s in the future

=[START]=====

=====

pi is approximately 3.1415926539002341, Error is 0.0000000003104410

wall clock time = 0.003609

=[FINISHED]=====

=====

}}}

==== Checking edg-apel-sge-parser crond =====

{

[root@test06 cron.d]# export APEL\_HOME=/

[root@test06 etc]# /usr/bin/apel-pbs-log-parser -f /etc/glite-apel-pbs/parser-config-yaim.xml

Thu Jun 7 12:29:10 UTC 2012: apel-pbs-log-parser - Read-in configuration: [quiet, p, inspectTables, c, e, recursiveEventFiles, b, recursiveBlahdFiles] [DBPassword=\*\*\*\*, site=CESGA-EGEE, pbslog=/var/torque/server\_priv/accounting,

GIIS=test06.egi.cesga.es, CEhost=test06.egi.cesga.es, blahdlogPrefix=blahp.log-,

DBURL=jdbc:mysql://test07.egi.cesga.es:3306/accounting, DBUsername=accounting, timeZone=UTC, blahdlog=/var/log/cream/accounting]

Thu Jun 7 12:29:10 UTC 2012: apel-pbs-log-parser - ----- Starting the apel application

-----

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - \*\*\*\*\* APEL is examining the schema \*\*\*\*\*

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the LcgRecords table

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The LcgRecords schema is up-to-date

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the BlahdRecords table

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The BlahdRecords schema is up-to-date

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the LcgProcessedFiles table

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The LcgProcessedFiles schema is up-to-date

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the SpecRecords table for patch 28593

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the SpecRecords table for patch 65723

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The SpecRecords schema is up-to-date

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the GkRecords table

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The GkRecords schema is up-to-date

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the MessageRecords table

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The MessageRecords schema is up-to-date

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - \*\*\*\* Schema checks complete \*\*\*\*

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Finding CPU spec values from GIIS server: test06.egi.cesga.es

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - LDAP URL: ldap://test06.egi.cesga.es:2170

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The ClusterId : SpecInt pair are latest, no update required test06.egi.cesga.es:8443/cream-pbs-GRID\_dteam:2395

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The ClusterId : SpecInt pair are latest, no update required test06.egi.cesga.es:8443/cream-pbs-GRID\_ops:2395

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The ClusterId : SpecInt pair are latest, no update required test06.egi.cesga.es:8443/cream-pbs-GRID\_iberibeu:2395

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The ClusterId : SpecInt pair are latest, no update required test06.egi.cesga.es:8443/cream-pbs-GRID\_opsibeu:2395

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Reprocess disabled, checking new event logs only

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - \*\*\*\* Updating PBS end event table (EventRecords) \*\*\*\*

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120125

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120321

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120509

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120323

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120118

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120120

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120119

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120117

Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event  
log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120327  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event  
log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120124  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event  
log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120424  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Processing batch log file:  
test06.egi.cesga.es /var/torque/server\_priv/accounting/20120607  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event  
log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120116  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed event  
log file: test06.egi.cesga.es /var/torque/server\_priv/accounting/20120508  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Event records inserted: 1  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Checking the BlahdRecords table  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - The BlahdRecords schema is up-  
to-date  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Reprocess disabled, checking new  
event logs only  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120508  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120117  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Processing  
/var/log/cream/accounting/blahp.log-20120607  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120119  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120327  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120118  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120124  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120125  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120116  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120120  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Ignoring already processed  
accounting log file: test06.egi.cesga.es /var/log/cream/accounting/blahp.log-20120323  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - Blahd records inserted: 1  
Thu Jun 7 12:29:11 UTC 2012: apel-pbs-log-parser - ----- Processing finished -----

}}}

\* Installation from scratch using UMD-2 repository OK

**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:**