

Quality Criteria Verification Report

Product	EMI.cream-torque.sl6.x86_64-2.1.4 EMI.cream-torque.sl5.x86_64-2.1.4	Release	2.1.4
Software Provider	EMI	RT Ticket	#7233 and #7232
Provider contact	Cristina Aiftimiei <cristina.aiftimiei@pd.infn.it>		
Verifier	Ruben Diez (rdiez@cesga.es)		
Hours worked	4h	Date	03/11/14
Status	Accepted		

Summary

No issues found during verification process.

Related tickets

None

Documentation Criteria

Document	
Release notes	http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/upgrade-18-07-07-2014-v-3-9-0-1#CREAM_TORQUE_v_2_1_4
User Documentation	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription
API Documentation	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription
Admin Documentation	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription
Software License	

Generic Criteria

Criteria	Status ¹	Additional Comments
Binary Distribution	OK	
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	

¹OK, WARN, FAIL, NA (Not Applicable) or NT (Not Tested)

World Writable Files	NT	Minor release
Passwords in world readable files	NT	Minor release
GlueSchema 1.3 Support	OK	
GlueSchema 2.0 Support	OK	
Middleware Version Information	NT	Minor release
Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

Specific QC

Basic Functionality Test

== Verification of EMI.cream-torque.sl6.x86_64-2.1.4 ==

=== Ticket assigned ===

* [Ticket <https://rt.egi.eu/rt/Ticket/Display.html?id=7233>]

* Used emi.cream-torque SL6 repo

```

{{{
$ cat EMI.cream-torque.sl6.x86_64.repo
# EGI Software Repository - REPO META
(releaseId,repositoryId,repofileId) - (7233,1583,1512)

```

```

[EMI.cream-torque.sl6.x86_64]
name=EMI.cream-torque.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.cream-
torque.sl6.x86_64/2/1/4/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi

```

```

}}}
```

== Testing cream Cream-torqueCE SL6 ==

* yum update (OK)

```

{{{
=====
=====
=====
==
Package                               Arch
Version                               Repository
Size
=====
=====
=====
==

```

Updating:

lcg-info-dynamic-scheduler-pbs
2.4.5-1.e16
torque.sl6.x86_64

noarch
EMI.cream-
22 k

Transaction Summary

```
=====
=====
=====
==
```

```
Upgrade      1 Package(s)
}}}
```

```
{
$ /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
}}
```

* It was necessary adjust MaxCPUtime and WallClockTime values - SEE
GGUS TICKET, https://ggus.eu/index.php?mode=ticket_info&ticket_id=101896

```
{
[root@test06 ~]# qmgr -c 'set queue GRID_ops resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_ops resources_max.walltime =
27:00:00';qmgr -c 'set queue GRID_dteam resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_dteam resources_max.walltime =
27:00:00';qmgr -c 'set queue GRID_opsibeu resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_opsibeu resources_max.walltime =
27:00:00';qmgr -c 'set queue GRID_iberibeu resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_iberibeu resources_max.walltime =
27:00:00'
```

```
[root@test06 ~]# cp -aprX /root/static-file-CE.ldif
/var/lib/bdii/gip/ldif/static-file-CE.ldif
```

```
[root@test06 ~]# grep -R GlueCEPolicyMaxSlotsPerJob
/var/lib/bdii/gip/ldif/*
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
4
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
4
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
4
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
4
```

```
}}
```

```
== Checking: ==
```

```
* Nagios tests ok, https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test06.egi.cesga.es
---> OK
```

```
* Checking ldap (OK):
from wms03.egi.cesga.es
```

```
{
[root@wms03 ~]# glue-validator -H test06.egi.cesga.es -p 2170 -b
o=grid -g glue1 -s general -v 3
OK - errors 0, warnings 0, info 0 | errors=0;warnings=0;info=0
```

```
[root@wms03 ~]# glue-validator -H test06.egi.cesga.es -p 2170 -b
o=glue -g glue2 -s general -v 3
WARNING - errors 0, warnings 2, info 0 | errors=0;warnings=2;info=0
```

```
[root@wms03 ~]# glue-validator -H test06.egi.cesga.es -p 2170 -b
o=glue -g egi-glue2 -s general -v 3
WARNING - errors 0, warnings 3, info 30 | errors=0;warnings=3;info=30
```

```
[root@wms03 ~]# ldapsearch -x -h test06.egi.cesga.es -p 2170 -b
GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint
```

```
[root@wms03 ~]# ldapsearch -x -h test06.egi.cesga.es -p 2170 -b
GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint | grep -i
version
}}}
```

```
{{{
```

```
    * Checking world writable files (OK)
```

```
{{{
```

```
An easy way to find world-writable files is using the find command:
```

```
$ find / -type f -perm -002 -exec ls -l {} \;
```

```
For finding world-writable files in the packages contents:
```

```
$ rpm -qalv | egrep "^[^-d]([-r][-w][-xs]){2}[-r]w"
drwxrwxrwt    2 root    root                0 jul 20  2011
/tmp
drwxrwxrwt    2 root    root                0 jul 20  2011
/var/tmp
drwxrwxrwt    2 root    root                0 dic  3  2011
/var/lib/torque/checkpoint
drwxrwxrwt    2 root    root                0 dic  3  2011
/var/lib/torque/spool
drwxrwxrwt    2 root    root                0 dic  3  2011
/var/lib/torque/undelivered
drwxrwxrwt    2 root    root                0 oct 13  2011
/var/spool/maui/spool
}}}
```

```
    * Submitting jobs (normal proxy).
```

```
{{{
```

```
[rdiez@test13 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin
Enter GRID pass phrase for this identity:
Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-
voms.cern.ch] "ops"...
Remote VOMS server contacted succesfully.
```

```
Created proxy in /tmp/x509up_u514.
```

```
Your proxy is valid until Sat Nov 01 03:07:26 CET 2014
```

```
[rdiez@test13 ~]$ voms-proxy-info
subject      : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser   managed by Esteban Freire Garcia/CN=proxy
issuer       : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser   managed by Esteban Freire Garcia
```

```
identity : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type : full legacy globus proxy
strength : 1024
path : /tmp/x509up_u514
timeleft : 11:59:42
key usage : Digital Signature, Key Encipherment
```

```
[rdiez@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully delegated to endpoint
[test06.egi.cesga.es]
```

```
[rdiez@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully renewed to endpoint
[test06.egi.cesga.es]
```

```
}}}
```

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM224378291
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM224378291
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM224378291]
Status = [DONE-OK]
ExitCode = [0]
```

```
}}}
```

```
{{{
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM019884880
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM019884880
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM019884880]
Status = [DONE-OK]
ExitCode = [1]
```

```
}}}
```

* Submitting jobs (rfc proxy).

```
{{{
```

```
[rdiez@test13 ~]$ voms-proxy-init -rfc --voms ops:/ops/Role=lcgadmin
Enter GRID pass phrase for this identity:
Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-
voms.cern.ch] "ops"...
Remote VOMS server contacted succesfully.
```

Created proxy in /tmp/x509up_u514.

Your proxy is valid until Sat Nov 01 03:11:33 CET 2014

```
[rdiez@test13 ~]$ voms-proxy-info
subject : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=2069121542
issuer : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
```

```
identity : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type      : RFC3820 compliant impersonation proxy
strength  : 1024
path      : /tmp/x509up_u514
timeleft  : 11:59:53
key usage : Digital Signature, Key Encipherment
```

```
[rdiez@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully delegated to endpoint
[test06.egi.cesga.es]
```

```
[rdiez@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully renewed to endpoint
[test06.egi.cesga.es]
}}}
```

```
{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM311534184
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM311534184
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM311534184]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

```
{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM020463419
```

```
[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM020463419
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM020463419]
        Status      = [DONE-OK]
        ExitCode     = [1]
}}}
```

== Verification of EMI.cream-torque.sl5.x86_64-2.1.4 ==

=== Ticket assigned ===

* [Ticket <https://rt.egi.eu/rt/Ticket/Display.html?id=7232>]

* Used emi.cream-torque SL5 repo

```
{{{
$ cat EMI.cream-torque.sl5.x86_64.repo
# EGI Software Repository - REPO META
(releaseId,repositoryId,repofileId) - (7232,1582,1511)
```

```
[EMI.cream-torque.sl5.x86_64]
name=EMI.cream-torque.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.cream-
torque.sl5.x86_64/2/1/4/
enabled=1
protect=1
priority=1
pgpcheck=1
pgpkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
}}}
```

```
== Testing cream Cream-torqueCE SL5 ==
* yum update (OK)
```

```
{{{
=====
=====
=====
==
Package                               Arch
Version                               Repository
Size
=====
=====
=====
==
Updating:
 lcg-info-dynamic-scheduler-pbs      noarch
2.4.5-1.el5                           EMI.cream-
torque.sl5.x86_64                     24 k

Transaction Summary
=====
=====
=====
==
Install      0 Package(s)
Upgrade     1 Package(s)
}}}
```

```
{{{
$ /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
}}}
```

```
* It was necessary adjust MaxCPUTime and WallClockTime values - SEE
GGUS TICKET, https://ggus.eu/index.php?mode=ticket\_info&ticket\_id=101896
```

```
[[[
[root@test06 ~]# qmgr -c 'set queue GRID_ops resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_ops resources_max.walltime =
27:00:00';qmgr -c 'set queue GRID_dteam resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_dteam resources_max.walltime =
27:00:00';qmgr -c 'set queue GRID_opsibeu resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_opsibeu resources_max.walltime =
27:00:00';qmgr -c 'set queue GRID_iberibeu resources_max.cput =
135:00:00';qmgr -c 'set queue GRID_iberibeu resources_max.walltime =
27:00:00'
```

```
[root@test06 ~]# cp -aprx /root/static-file-CE.ldif
/var/lib/bdii/gip/ldif/static-file-CE.ldif

[root@test06 ~]# grep -R GlueCEPolicyMaxSlotsPerJob
/var/lib/bdii/gip/ldif/*
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
8
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
8
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
8
/var/lib/bdii/gip/ldif/static-file-CE.ldif:GlueCEPolicyMaxSlotsPerJob:
8
```

```
}}}
```

```
== Checking: ==
```

```
* Nagios tests ok, https://test23.egi.cesga.es/nagios/cgi-
bin/status.cgi?host=test06.egi.cesga.es
---> OK
```

```
* Checking ldap (OK):
from wms03.egi.cesga.es
```

```
{}}
```

```
[root@wms03 ~]# glue-validator -H test06.egi.cesga.es -p 2170 -b
o=grid -g glue1 -s general -v 3
OK - errors 0, warnings 0, info 0 | errors=0;warnings=0;info=0
```

```
[root@wms03 ~]# glue-validator -H test06.egi.cesga.es -p 2170 -b
o=glue -g glue2 -s general -v 3
WARNING - errors 0, warnings 2, info 0 | errors=0;warnings=2;info=0
```

```
[root@wms03 ~]# glue-validator -H test06.egi.cesga.es -p 2170 -b
o=glue -g egi-glue2 -s general -v 3
WARNING - errors 0, warnings 3, info 30 | errors=0;warnings=3;info=30
```

```
[root@wms03 ~]# ldapsearch -x -h test06.egi.cesga.es -p 2170 -b
GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint
```

```
[root@wms03 ~]# ldapsearch -x -h test06.egi.cesga.es -p 2170 -b
GLUE2GroupID=resource,o=glue objectclass=GLUE2Endpoint | grep -i
version
}}}
```

```
{}}
```

```
* Checking world writable files (OK)
```

```
{}}
```

```
An easy way to find world-writable files is using the find command:
```

```
$ find / -type f -perm -002 -exec ls -l {} \;
```

```
For finding world-writable files in the packages contents:
```

```
$ rpm -qalv | egrep "^[^-d]([-r][-w][-xs]){2}[-r]w"
drwxrwxrwt    2 root    root                0 feb 15  2011
/var/spool/maui/spool
```



```

-rw-rw-rw-    1 root    root                0 ago 29 22:15
/var/run/nscd/socket
drwxrwxrwt    2 root    root                0 oct  1  2013
/var/cache/coolkey
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 dic  3  2011
/var/torque/checkpoint
drwxrwxrwt    2 root    root                0 dic  3  2011
/var/torque/spool
drwxrwxrwt    2 root    root                0 oct  1  2013
/var/cache/coolkey
}}}
```

* Submitting jobs (normal proxy).

```

{{{
[rdiez@test13 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin
Enter GRID pass phrase for this identity:
Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-
voms.cern.ch] "ops"...
Remote VOMS server contacted succesfully.
```

Created proxy in /tmp/x509up_u514.

Your proxy is valid until Fri Oct 31 23:08:17 CET 2014

```

[rdiez@test13 ~]$ voms-proxy-info
subject      : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser   managed by Esteban Freire Garcia/CN=proxy
issuer       : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser   managed by Esteban Freire Garcia
identity     : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser   managed by Esteban Freire Garcia
type         : full legacy globus proxy
strength     : 1024
path         : /tmp/x509up_u514
timeleft     : 11:59:46
key usage    : Digital Signature, Key Encipherment
```

```

[rdiez@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully delegated to endpoint
[test06.egi.cesga.es]
```

```

[rdiez@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully renewed to endpoint
[test06.egi.cesga.es]
}}}
```

```

{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM408715954
```

```

[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM408715954
```

***** JobID=[https://test06.egi.cesga.es:8443/CREAM408715954]

```

        Status      = [DONE-OK]
        ExitCode    = [0]
    }}}

{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/

[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM574688682

[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM574688682

***** JobID=[https://test06.egi.cesga.es:8443/CREAM574688682]
        Status      = [DONE-OK]
        ExitCode    = [0]
    }}}

    * Submitting jobs (rfc proxy).
    {{{
[rdiez@test13 ~]$ voms-proxy-init -rfc --voms ops:/ops/Role=lcgadmin
Enter GRID pass phrase for this identity:
Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-
voms.cern.ch] "ops"...
Remote VOMS server contacted succesfully.

Created proxy in /tmp/x509up_u514.

Your proxy is valid until Fri Oct 31 23:13:20 CET 2014

[rdiez@test13 ~]$ voms-proxy-info
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=953161685
issuer    : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
identity  : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia
type      : RFC3820 compliant impersonation proxy
strength  : 1024
path      : /tmp/x509up_u514
timeleft  : 11:59:52
key usage : Digital Signature, Key Encipherment

[rdiez@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully delegated to endpoint
[test06.egi.cesga.es]

[rdiez@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es rdiez
Proxy with delegation id [rdiez] succesfully renewed to endpoint
[test06.egi.cesga.es]
    }}}

{{{
[rdiez@test13 ~]$ glite-ce-job-submit -D rdiez -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops check_bug.jdl
https://test06.egi.cesga.es:8443/CREAM046665660

```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM046665660

***** JobID=[https://test06.egi.cesga.es:8443/CREAM046665660]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}

{{{
[rdiez@test13 ~]$ cd mpi_job_grid_verification/

[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D rdiez
-r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
https://test06.egi.cesga.es:8443/CREAM546971633

[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM546971633

***** JobID=[https://test06.egi.cesga.es:8443/CREAM546971633]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

New Features/Fixed Bugs

None.

Additional Info

None.