

# Quality Criteria Verification Report

<b>Product</b>	cream.sl6.x86_64-1.16.5	<b>Release</b>	1.16.5
<b>Software Provider</b>	EMI	<b>RT Ticket</b>	#8242
<b>Provider contact</b>	Cristina Aiftimiei <crisrina.aiftimiei@pd.infn.it>		
<b>Verifier</b>	Ruben Diez (rdiez@cesga.es)		
<b>Hours worked</b>	3h	<b>Date</b>	27/03/15
<b>Status</b>	Accepted		

## Summary

No issues found during verification process.

## Related tickets

None

## Documentation Criteria

Document	
Release notes	<a href="http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/updated-23-16-12-2014-v-3-14-0-1#CREAM_GE_module_v_2_3_1">http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/updated-23-16-12-2014-v-3-14-0-1#CREAM_GE_module_v_2_3_1</a>
User Documentation	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription">https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription</a>
API Documentation	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription">https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription</a>
Admin Documentation	<a href="https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription">https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription</a>
Software License	

## Generic Criteria

Criteria	Status <sup>1</sup>	Additional Comments
Binary Distribution	OK	
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	
World Writable Files	NT	Minor release

<sup>1</sup>OK, WARN, FAIL, NA (Not Applicable) or NT (Not Tested)

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

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### Basic Functionality Test

== Verification of cream.sl6.x86\_64-1.16.5 ==

=== Ticket assigned ===

\* [Ticket <https://rt.egi.eu/rt/Ticket/Display.html?id=8242>]

\* Used emi.cream SL6 repo

```

{{{
[root@test06 yum.repos.d]# wget http://admin-
repo.egi.eu/sw/unverified/umd-
3.emi.cream.sl6.x86_64/1/16/5/repofiles/EMI.cream.sl6.x86_64.repo

```

```

[root@test06 yum.repos.d]# cat EMI.cream.sl6.x86_64.repo
# EGI Software Repository - REPO META
(releaseId,repositoryId,repofileId) - (8242,1842,1773)

```

```

[EMI.cream.sl6.x86_64]
name=EMI.cream.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-
3.emi.cream.sl6.x86_64/1/16/5/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi

```

```

}}}
```

== Testing cream CreamCE SL6 ==

\* yum update (OK)

```

{{{
[root@test06 ~]# yum clean all; yum update
[.....]
Dependencias resueltas

```

```

=====
=====
=====

```

Paquete	Arquitectura
Versión	Repositorio
Tamaño	
=====	
=====	
=====	

Actualizando:

dynsched-generic	noarch
2.5.5-1.el6	EMI.cream.sl6.x86_64
24 k	
emi-cream-ce	noarch
1.2.4-1.el6	EMI.cream.sl6.x86_64
2.9 k	
emi-version	x86_64
3.15.0-1.el6	EMI.cream.sl6.x86_64
2.4 k	
glite-ce-common-java	noarch
1.16.4-1.el6	EMI.cream.sl6.x86_64
108 k	
glite-ce-cream-api-java	noarch
1.16.5-2.el6	EMI.cream.sl6.x86_64
2.6 M	
glite-ce-cream-utils	x86_64
1.3.5-1.el6	EMI.cream.sl6.x86_64
34 k	
glite-ce-yaim-cream-ce	noarch
4.4.6-2.el6	EMI.cream.sl6.x86_64
46 k	

Resumen de la transacción

=====

=====

=====

Actualizar 7 Paquete(s)

Tamaño total de la descarga: 2.9 M

[.....]

}}}

```

{{{
[root@test06 ~]# /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](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_backup_171213
/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 3, info 0 | errors=0;warnings=3;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 0 | errors=0;warnings=3;info=0
[.....]

[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
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: MiddlewareVersion=3.15.0-1.e16
GLUE2EndpointImplementationVersion: 1.16.4
GLUE2EndpointInterfaceVersion: 2.1
GLUE2EntityOtherInfo: InfoProviderVersion=1.4
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2EntityOtherInfo: OSVersion=6.6
GLUE2EntityOtherInfo: MiddlewareVersion=3.15.0-1.e16
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software
is not i
GLUE2EndpointInterfaceVersion: 1.0.0
}}}
```

```
* Checking world writable files (OK)
{{{
An easy way to find world-writable files is using the find command:
```

```
$ find / -xdev -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
}}}
```

```
* Submitting jobs (normal proxy).
{{{
[rdiez@test13 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin
Enter GRID pass phrase for this identity:
Contacting lcg-voms2.cern.ch:15009
[/DC=ch/DC=cern/OU=computers/CN=lcg-voms2.cern.ch] "ops"...
Remote VOMS server contacted succesfully.
```

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

```
Your proxy is valid until Tue Mar 17 22:15:29 CET 2015
```

```
[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     : 11:38:54
key usage    : Digital Signature, Key Encipherment
```

```
t13 ~]$ 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/CREAM294025746
```

```
[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM294025746
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM294025746]
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/CREAM975355834

[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM975355834

***** JobID=[https://test06.egi.cesga.es:8443/CREAM975355834]
        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 voms.cern.ch:15009
[/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch] "ops"...
Error contacting voms.cern.ch:15009 for VO ops: Connection refused
Error contacting voms.cern.ch:15009 for VO ops: Connection refused
Error contacting voms.cern.ch:15009 for VO ops: REST and legacy VOMS
endpoints failed.
Contacting lcg-voms2.cern.ch:15009
[/DC=ch/DC=cern/OU=computers/CN=lcg-voms2.cern.ch] "ops"...
Remote VOMS server contacted succesfully.

Created proxy in /tmp/x509up_u514.

Your proxy is valid until Tue Mar 17 22:47:36 CET 2015

[rdiez@test13 ~]$ voms-proxy-info
subject   : /DC=es/DC=irisgrid/O=cesga/CN=Robot - Ibergrid SAM
NagiosUser managed by Esteban Freire Garcia/CN=1639586032
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  : 11:59:13
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/CREAM989985322

[rdiez@test13 ~]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM989985322

***** JobID=[https://test06.egi.cesga.es:8443/CREAM989985322]
        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/CREAM017317640

[rdiez@test13 mpi_job_grid_verification]$ glite-ce-job-status
https://test06.egi.cesga.es:8443/CREAM017317640

***** JobID=[https://test06.egi.cesga.es:8443/CREAM017317640]
        Status      = [DONE-OK]
        ExitCode     = [0]
}}}
```

## **New Features/Fixed Bugs**

*None.*

## **Additional Info**

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*None.*