

Quality Criteria Verification Report

Product	<i>EMI.cream.sl5.sl6.x86_64-1.16.3</i>	Release	<i>1.16.3</i>
Software Provider	<i>EMI</i>	RT Ticket	<i>#7169 and #7170</i>
Provider contact	<i>Cristina Aiftimiei <crisrina.aiftimiei@pd.infn.it></i>		
Verifier	<i>Esteban Freire (esfreire@cesga.es)</i>		
Hours worked	<i>8h</i>	Date	<i>01/07/14</i>
Status	Accepted		

Summary

As commented on the release notes, http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-17-11-06-2014-v-3-8-0-1#CREAM_v_1_16_3, it was necessary to apply the following workaround in both (SL5 and SL6):

- Due to the bug described in GGUS #106121, it was necessary to apply the following workaround:

- For SL6:

```
rm /var/lib/tomcat6/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
ln -s /usr/lib/java/glite-lb-client-java.jar /var/lib/tomcat6/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

- For SL5:

```
[root@test06 etc]# ll /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
lrwxrwxrwx 1 root root 40 Oct 25 2013 /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar -> /usr/share/java/glite-lb-client-java.jar
```

```
[root@test06 etc]# rm /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
rm: remove symbolic link `/var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar'? y
```

```
[root@test06 etc]# ln -s /usr/lib/java/glite-lb-client-java.jar
```

```
/var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
[root@test06 etc]# ll /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
lrwxrwxrwx 1 root root 38 Jul 1 11:51 /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar -> /usr/lib/java/glite-lb-client-java.jar
```

Also, for SL5, I get the message “package lcg-info-dynamic-software is not installed”

```
[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=3.7.4-1.e15
GLUE2EndpointImplementationVersion: 1.16.3
GLUE2EndpointInterfaceVersion: 2.1
GLUE2EntityOtherInfo: InfoProviderVersion=1.4
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2EntityOtherInfo: OSVersion=5.10
GLUE2EntityOtherInfo: MiddlewareVersion=3.7.4-1.e15
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software is not is
not installed
GLUE2EndpointInterfaceVersion: 1.0.0
```

Please, not that there are two **GLUE2EndpointImplementationVersion** variables:

```
GLUE2EndpointImplementationVersion: 1.16.3
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software is not i
nstalled
```

Related tickets

None

Documentation Criteria

Document	
Release notes	http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-17-11-06-2014-v-3-8-0-1#CREAM_v_1_16_3
User Documentation	https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI3
API Documentation	https://wiki.italiangrid.it/twiki/bin/view/CREAM/ClientApiCpDoc
Admin Documentation	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI3#1_6_1_Torque
Software License	

Generic Criteria

Criteria	Status ¹	Additional Comments
Binary Distribution	OK	
Upgrade	OK	

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

X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	
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

== EMI.cream.sl5_sl6.x86_64-1.16.3 ==

* Used emi.cream SL5 repo

```

{{{
[root@test06 yum.repos.d]# cat EMI.cream.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7169,1564,1492)

```

```

[EMI.cream.sl5.x86_64]
name=EMI.cream.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.cream.sl5.x86_64/1/16/3/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
}}}

```

* Used emi.cream SL6 repo

```

{{{
[root@test06 yum.repos.d]# cat EMI.cream.sl6.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(7170,1565,1493)

```

```

[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_64/1/16/3/

```

```
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 SL5 ==
```

```
* yum update (OK)
```

```
{}}
```

```
yum update
```

```
=====
```

```
=====
```

```
=====
```

```
=====
```

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

```
Updating:
```

dynsched-generic	noarch	2.5.4-1.el5
EMI.cream.sl5.x86_64	25 k	
glite-ce-blahp	x86_64	1.20.5-1
EMI.cream.sl5.x86_64	604 k	
glite-ce-common-java	noarch	1.16.2-1.el5
EMI.cream.sl5.x86_64	107 k	
glite-ce-cream	noarch	1.16.3-1.el5
EMI.cream.sl5.x86_64	78 k	
glite-ce-cream-core	noarch	1.16.3-1.el5
EMI.cream.sl5.x86_64	423 k	
glite-ce-cream-es	noarch	1.16.3-1.el5
EMI.cream.sl5.x86_64	75 k	
glite-ce-cream-utils	x86_64	1.3.3-1.el5
EMI.cream.sl5.x86_64	37 k	
glite-ce-yaim-cream-ce	noarch	4.4.5-1.el5
EMI.cream.sl5.x86_64	48 k	
glite-jobid-api-java	noarch	1.3.8-1.el5
EMI.cream.sl5.x86_64	13 k	
glite-lb-client-java	x86_64	2.0.6-1.el5
EMI.cream.sl5.x86_64	97 k	

```
Transaction Summary
```

```
=====
```

```
=====
```

```
=====
```

```
=====
```

```
}}}
```

* Reconfiguring with YAIM (OK)

```
{{{  
/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

```
{{{  
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'  
}}}
```

== Testing cream_torque on the CreamCE SL6 ==

* yum update (OK)

```
{{{
```

Updating:

dynsched-generic	noarch	2.5.4-1.el6
EMI.cream.sl6.x86_64	24 k	
glite-ce-blahp	x86_64	1.20.5-1
EMI.cream.sl6.x86_64	310 k	
glite-ce-common-java	noarch	1.16.2-1.el6
EMI.cream.sl6.x86_64	106 k	
glite-ce-cream	noarch	1.16.3-1.el6
EMI.cream.sl6.x86_64	75 k	
glite-ce-cream-core	noarch	1.16.3-1.el6
EMI.cream.sl6.x86_64	407 k	
glite-ce-cream-es	noarch	1.16.3-1.el6
EMI.cream.sl6.x86_64	74 k	
glite-ce-cream-utils	x86_64	1.3.3-1.el6
EMI.cream.sl6.x86_64	33 k	
glite-ce-yaim-cream-ce	noarch	4.4.5-1.el6
EMI.cream.sl6.x86_64	45 k	
glite-jobid-api-java	noarch	1.3.8-1.el6
EMI.cream.sl6.x86_64	13 k	
glite-lb-client-java	x86_64	2.0.6-1.el6
EMI.cream.sl6.x86_64	96 k	

Transaction Summary

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

=====
=====

}}}

* Reconfiguring with YAIM (OK)

{{{

```
/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 (OK)
```

}}}

== Checking: ==

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

* Checking ldap (OK):

{{{

```
glue-validator -H test06.egi.cesga.es -p 2170 -b o=grid -g glue1 -s general -v 3  
glue-validator -H test06.egi.cesga.es -p 2170 -b o=glue -g glue2 -s general -v 3  
glue-validator -H test06.egi.cesga.es -p 2170 -b o=glue -g egi-glue2 -s general -v 3  
ldapsearch -x -h test06.egi.cesga.es -p 2170 -b GLUE2GroupID=resource,o=glue  
objectclass=GLUE2Endpoint  
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:

```
[root@test06 etc]# 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 Dec 3 2011 /var/lib/torque/checkpoint  
drwxrwxrwt 2 root root 0 Dec 3 2011 /var/lib/torque/spool  
drwxrwxrwt 2 root root 0 Dec 3 2011 /var/lib/torque/undelivered  
drwxrwxrwt 2 root root 0 Oct 13 2011 /var/spool/maui/spool  
}}}
```

* Submitting jobs using a SHA-2 robot certificate and a RFC proxy

{{{

```
[esfreire@test13 ~]$ voms-proxy-init -rfc --voms ops:/ops/Role=lcgadmin
```

```
}}}
```

```
{{{
```

```
glite-wms-job-submit -a -o test.job check_bug.jdl
```

```
Connecting to the service https://test22.egi.cesga.es:7443/glite_wms_wmproxy_server
```

```
=====  
glite-wms-job-submit Success  
=====
```

```
The job has been successfully submitted to the WMPProxy  
Your job identifier is:
```

```
https://test22.egi.cesga.es:9000/038agqZqnfY8zk6R7SCMhg
```

```
The job identifier has been saved in the following file:  
/home/esfreire/test.job
```

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

```
}}}
```

```
{{{
```

```
[esfreire@test13 ~]$ glite-wms-job-status -i test.job
```

```
=====  
glite-wms-job-status Success  
=====
```

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://test22.egi.cesga.es:9000/kPViL04BgfUz3fKnA28TRg
```

```
Current Status: Done(Success)
```

```
Logged Reason(s):
```

- job completed
- Job Terminated Successfully

```
Exit code: 0
```

```
Status Reason: Job Terminated Successfully
```

```
Destination: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
```

```
Submitted: Fri Jun 27 14:49:24 2014 CEST
```

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

```
}}}
```

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

```
{{{
```

```
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'
}}}
```

New Features/Fixed Bugs

As commented on the release notes, http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-17-11-06-2014-v-3-8-0-1#CREAM_v_1_16_3, it was necessary to apply the following workaround:

-- Due to the bug described in GGUS #106121, it was necessary to apply the following workaround:

- For SL6:

```
rm /var/lib/tomcat6/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
ln -s /usr/lib/java/glite-lb-client-java.jar /var/lib/tomcat6/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

- For SL5:

```
[root@test06 etc]# ll /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
lrwxrwxrwx 1 root root 40 Oct 25 2013 /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar -> /usr/share/java/glite-lb-client-java.jar
```

```
[root@test06 etc]# rm /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
rm: remove symbolic link `/var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar'? y
```

```
[root@test06 etc]# ln -s /usr/lib/java/glite-lb-client-java.jar
/var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
```

```
[root@test06 etc]# ll /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar
lrwxrwxrwx 1 root root 38 Jul 1 11:51 /var/lib/tomcat5/webapps/ce-cream/WEB-INF/lib/glite-lb-client-java.jar -> /usr/lib/java/glite-lb-client-java.jar
```

Also, for SL5, I get the message “package lcg-info-dynamic-software is not installed”


```
[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=3.7.4-1.e15
GLUE2EndpointImplementationVersion: 1.16.3
GLUE2EndpointInterfaceVersion: 2.1
GLUE2EntityOtherInfo: InfoProviderVersion=1.4
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2EntityOtherInfo: OSVersion=5.10
GLUE2EntityOtherInfo: MiddlewareVersion=3.7.4-1.e15
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software is not is
not installed
GLUE2EndpointInterfaceVersion: 1.0.0
```

Please, not that there are two GLUE2EndpointImplementationVersion variables:

```
GLUE2EndpointImplementationVersion: 1.16.3
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software is not i
nstalled
```

Additional Info
