

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

Name of the component	EMI-CREAM-LSF		
Release	2.0.1	RT Ticket	#5019 #5020
Software Provider	EMI2		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Sergio Traldi	sergio.traldi@pd.infn.it	
V. Hours Worked	7		
Component status	Verified	Date	21/03/13
Verification start date	12/03/13	Verification end date	20/03/13

Summary:
No big issues found during LSF verification.

GGUS Tickets:
None

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	8	0	0	8
	Specific Quality Criteria			
TP				
VLD	22	0	0	22

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription	
GENERIC_DOC_2 (Release Notes)	Y	https://savannah.cern.ch/task/?38350	
GENERIC_DOC_3 (User Documentation)	NA		
GENERIC_DOC_4 (Online help (man pages))	NA		
GENERIC_DOC_5 (API Documentation)	NA		
GENERIC_DOC_6 (Administrator Documentation)	Y	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEM	
GENERIC_DOC_7 (Service Reference Card)	Y	https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEM12	
GENERIC_DOC_8 (Software License)	Y	https://savannah.cern.ch/task/?38350	
GENERIC_DOC_9 (Release changes testing)	Y	http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content	
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content	
GENERIC_DIST_3 (Binary Distribution)	Y	http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content	
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)			
GENERIC_SOFT_2 (New features testing)			
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and status)	Y	Tested with several jobs	
GENERIC_SERVICE_2 (Log Files)	Y	in /var/log/cream	
GENERIC_SERVICE_3 (Service Reliability)	Optional		
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configuration)	Optional		
GENERIC_SERVICE_6 (Default Password Configuration)			
GENERIC_SERVICE_7 (Default Configuration)	Y	using yaim	
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)			
GENERIC_SEC_3 (Passwords in world readable files)	Y	only in site-info.def not in conf file after configuration	
MISCELLANEOUS QC			
GENERIC_MISC_1 (Bug Tracking System)	Y	https://savannah.cern.ch	
AUTHENTICATION QC			
AUTHN_CRED_1 (X.509 Certificate support)	Y		
AUTHN_CRED_2 (SHA2 Certificate support)	Optional		
AUTHN_CRED_3 (RFC Proxy support)	Optional		
AUTHN_PROTO_1 (TLS/SSLv3 Support)			
AUTHN_DELEG_1 (Delegation Interface)			
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban UserGroup of users)	Y	look attached files	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	look attached files	
AUTHZ_PEP_2 (User Mapping)	Y	look attached files	
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	look attached files	
JOBEXEC_JOB_1 (Simple Job)	Y	look attached files	
JOBEXEC_JOB_2 (Simple Job with input/output files)	Y	look attached files	
JOBEXEC_JOB_3 (Cancel Job)	Y	look attached files	
JOBEXEC_EXECMNGR_1 (Not Invasive Deployment)	Y	look attached files	
JOBEXEC_EXECMNGR_2 (Job Management)	Y	look attached files	
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	look attached files	
JOBEXEC_AVAIL_1 (Service Redundancy)	NA		
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	Optional		
JOBEXEC_AVAIL_4 (Timely Job Status Updates)	Optional		
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submission)	Y	look attached files	
PARALLEL_JOB_2 (Single machine parallel job submission)	Optional		
PARALLEL_JOB_3 (Fine grained mapping parallel job submission)	Optional		
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Y	https://mon-it.cnaf.infn.it/nagios/cgi-bin/status.cgi?host=cert-37.pd.infn.it	
MON_PROBE_GENERIC_2 (Service Probe)	Y	https://mon-it.cnaf.infn.it/nagios/cgi-bin/status.cgi?host=cert-37.pd.infn.it	
MON_PROBE_JOBEXEC_1 (Job Execution Probe)	Y	https://mon-it.cnaf.infn.it/nagios/cgi-bin/status.cgi?host=cert-37.pd.infn.it	
MON_PROBE_JOBEXEC_2 (CREAM Job Execution Probe)	Y	https://mon-it.cnaf.infn.it/nagios/cgi-bin/status.cgi?host=cert-37.pd.infn.it	
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances Accounting)	Y		
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line options coherency)	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

Validator comments:

```
[root@cert-37 ~]# yum update -y
Loaded plugins: priorities, protectbase, security
298 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Setting up Update Process
Resolving Dependencies
--> Running transaction check
----> Package glite-ce-cream.noarch 0:1.14.2-1.s15 will be updated
----> Package glite-ce-cream.noarch 0:1.14.3-1.s15 will be an update
----> Package glite-ce-cream-api-java.noarch 0:1.14.2-1.s15 will be updated
----> Package glite-ce-cream-api-java.noarch 0:1.14.3-1.s15 will be an update
----> Package glite-ce-cream-core.noarch 0:1.14.2-1.s15 will be updated
----> Package glite-ce-cream-core.noarch 0:1.14.3-1.s15 will be an update
----> Package glite-ce-cream-es.noarch 0:1.14.2-1.s15 will be updated
----> Package glite-ce-cream-es.noarch 0:1.14.3-1.s15 will be an update
----> Package glite-ce-cream-utils.x86_64 0:1.2.2-1.s15 will be updated
----> Package glite-ce-cream-utils.x86_64 0:1.2.3-1.s15 will be an update
----> Package glite-ce-yaim-cream-ce.noarch 0:4.3.1-4.s15 will be updated
----> Package glite-ce-yaim-cream-ce.noarch 0:4.3.2-1.s15 will be an update
----> Package info-dynamic-scheduler-lsf.noarch 0:2.1.8-4.e15 will be updated
----> Package info-dynamic-scheduler-lsf.noarch 0:2.2.1-1.e15 will be an update
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Updating:				
glite-ce-cream	noarch	1.14.3-1.s15	EMI-2-cert-base	532 k
glite-ce-cream-api-java	noarch	1.14.3-1.s15	EMI-2-cert-base	2.6 M
glite-ce-cream-core	noarch	1.14.3-1.s15	EMI-2-cert-base	420 k
glite-ce-cream-es	noarch	1.14.3-1.s15	EMI-2-cert-base	67 k
glite-ce-cream-utils	x86_64	1.2.3-1.s15	EMI-2-cert-base	33 k
glite-ce-yaim-cream-ce	noarch	4.3.2-1.s15	EMI-2-cert-base	44 k
info-dynamic-scheduler-lsf	noarch	2.2.1-1.e15	EMI-2-cert-base	44 k

Transaction Summary

Upgrade 7 Package(s)

Total download size: 3.7 M

Downloading Packages:

Total 1.5 MB/s | 3.7 MB 00:02

Running rpm_check_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

```
Updating : glite-ce-cream-utils-1.2.3-1.s15.x86_64 1/14
Updating : glite-ce-cream-api-java-1.14.3-1.s15.noarch 2/14
Updating : glite-ce-cream-core-1.14.3-1.s15.noarch 3/14
Updating : glite-ce-cream-1.14.3-1.s15.noarch 4/14
Stopping tomcat6: [ OK ]
Updating : glite-ce-cream-es-1.14.3-1.s15.noarch 5/14
Stopping tomcat6: [ OK ]
Updating : glite-ce-yaim-cream-ce-4.3.2-1.s15.noarch 6/14
Updating : info-dynamic-scheduler-lsf-2.2.1-1.e15.noarch 7/14
warning: /etc/lrms/lsf.conf created as /etc/lrms/lsf.conf.rpmnew
Cleanup : glite-ce-cream-es-1.14.2-1.s15.noarch 8/14
Cleanup : glite-ce-cream-1.14.2-1.s15.noarch 9/14
Starting tomcat5: [ OK ]
Cleanup : glite-ce-cream-core-1.14.2-1.s15.noarch 10/14
Starting tomcat5: [ OK ]
Cleanup : glite-ce-cream-api-java-1.14.2-1.s15.noarch 11/14
Cleanup : glite-ce-yaim-cream-ce-4.3.1-4.s15.noarch 12/14
Cleanup : info-dynamic-scheduler-lsf-2.1.8-4.e16.noarch 13/14
Cleanup : glite-ce-cream-utils-1.2.2-1.s15.x86_64 14/14
Verifying : glite-ce-cream-utils-1.2.3-1.s15.x86_64 1/14
Verifying : info-dynamic-scheduler-lsf-2.2.1-1.e16.noarch 2/14
Verifying : glite-ce-cream-1.14.3-1.s15.noarch 3/14
Verifying : glite-ce-cream-api-java-1.14.3-1.s15.noarch 4/14
Verifying : glite-ce-cream-core-1.14.3-1.s15.noarch 5/14
Verifying : glite-ce-cream-es-1.14.3-1.s15.noarch 6/14
Verifying : glite-ce-yaim-cream-ce-4.3.2-1.s15.noarch 7/14
Verifying : glite-ce-cream-1.14.2-1.s15.noarch 8/14
```

```

Verifying : glite-ce-cream-api-java-1.14.2-1.s15.noarch          9/14
Verifying : glite-ce-yaim-cream-ce-4.3.1-4.s15.noarch          10/14
Verifying : glite-ce-cream-es-1.14.2-1.s15.noarch             11/14
Verifying : glite-ce-cream-core-1.14.2-1.s15.noarch           12/14
Verifying : info-dynamic-scheduler-lsf-2.1.8-4.e15.noarch      13/14
Verifying : glite-ce-cream-utils-1.2.2-1.s15.x86_64           14/14

```

Updated:

```

glite-ce-cream.noarch 0:1.14.3-1.s15
glite-ce-cream-api-java.noarch 0:1.14.3-1.s15
glite-ce-cream-core.noarch 0:1.14.3-1.s15
glite-ce-cream-es.noarch 0:1.14.3-1.s15
glite-ce-cream-utils.x86_64 0:1.2.3-1.s15
glite-ce-yaim-cream-ce.noarch 0:4.3.2-1.s15
info-dynamic-scheduler-lsf.noarch 0:2.2.1-1.e15

```

```

[traldi@cert-25 ~]$ pybot /opt/cream_test/testsuite/cream_test_suite.html
INFO: The files of this testsuite will be stored under: /tmp/tmp2a0q6h.cream_testing/
=====
Cream Test Suite :: This is the main testing module,needed for testing the ...
=====
Set Log Level :: Set the log level used for the test suite. This c... | PASS |
-----
Check Executables :: Check whether the needed executables for the ... | PASS |
-----
Simple Submit :: Execute /bin/uname -a.Submit the jdl and wait for... | PASS |
-----
ISB Base URI :: Execute a bash shell script.The script is stored i... | PASS |
-----
ISB Client to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
ISB gsiftp to CE :: Execute a bash shell script.The script is stor... | PASS |
-----
OSB localhost :: Execute /bin/uname -a.Store std out and error str... | PASS |
-----
OSB gsiftp BaseDestURI :: Execute /bin/uname -a.Store std out and ... | PASS |
-----
OSB gsiftp DestURI :: Execute /bin/uname -a.Store std out and erro... | PASS |
-----
Environment :: Execute a bash shell script.The script is stored lo... | PASS |
-----
Epilogue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Prologue :: Execute two bash shell scripts,one for the job and the... | PASS |
-----
Explicit Delegation :: Test job submission with explicit delegatio... | PASS |
-----
Job Cancel :: Test job cancellation.Two cases are tested:          | PASS |
-----
Job List :: Test the job listing cli utility.Store the list of the... | PASS |
-----
Job Suspend - Resume :: Submit a job and suspend it.Wait until it'... | PASS |
-----
Manually Cancel Job :: Submit a job and then manually cancel it on... | PASS |
-----
Verify CE service info :: This test case verifies the output of th... | PASS |
-----
Enable - Disable Submission :: This test case tests the proper fun... | PASS |
-----
Job Purge :: This test case verifies the proper functionality of t... | PASS |
-----
Limiter :: NOTE: This test case is about 25 minutes long!          | PASS |
-----
Sandbox Staging :: This test case tests the two different Sandbox ... | PASS |
-----
Automatic Proxy Purging :: This test case checks the automatic pro... | PASS |
-----
Verify Job Status Output :: This test is checking the output of th... | PASS |
-----
OutputData :: This test case tests the OutputData jdl attribute. T... | PASS |
-----
Automatic Job Purge :: This test case is testing the functionality... | PASS |
-----
Proxy Renewal :: Submit a job lasting 20 minutes using a proxy val... | PASS |
-----
CPU Allocation 1 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 2 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 3 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 4 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 5 :: Validate the contents of the batch job submiss... | PASS |
-----
CPU Allocation 6 :: Validate the contents of the batch job submiss... | PASS |
-----
Old BLParser Restart :: Configure a CREAM CE using the old blah bl... | PASS |
-----
Cream Test Suite :: This is the main testing module,needed for tes... | PASS |
34 critical tests, 34 passed, 0 failed
34 tests total, 34 passed, 0 failed
=====
Output: /home/traldi/output.xml
Log: /home/traldi/log.html
Report: /home/traldi/report.html

```

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: