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Testing Report for CREAM 1.13-3 (Savannah task #24022)

Deployment tests

Clean installation

Yum installation

yum installation log is available here

Yaim configuration

yaim configuration log is available here

Update

Yum update

yum update log is available here

Yaim configuration

yaim configuration log is available here

System tests

Basic functionality tests

The output of the CREAM Test suite based on robot (see here for details) is available here.

Regression tests

- Bug #79026 (config_cream_sudoers creates wrong sudoers file when the same gid is shared)
HOPEFULLY FIXED

Verified that the proposed patch has been implemented, but non easy to replicate that scenario (sharing of the same gid among multiple VOs) in our environment.

- Bug #81561 Make JobDBAdminPurger script compliant with CREAM EMI environment. FIXED

Tried to use the JobDBAdminPurger.sh. It worked without reporting any issues:

```
# JobDBAdminPurger.sh -c /etc/glite-ce-cream/cream-config.xml -u xxxxx -p yyyy -s DONE-OK,0
START jobAdminPurger
-----
Job CREAM484355573 is going to be purged ...
- Job deleted. JobId = CREAM484355573
CREAM484355573 has been purged!
-----
STOP jobAdminPurger
```

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- Bug #83238 (Sometimes CREAM does not update the state of a failed job) FIXED

Manually killed a job. Verified that the job output is:

```
***** JobID=[https://cream-35.pd.infn.it:8443/CREAM181001530]
Status      = [DONE-FAILED]
ExitCode    = [N/A]
FailureReason = [Job has been terminated (got SIGTERM)]
```

- Bug #83749 (JobDBAdminPurger cannot purge jobs if configured sandbox dir has changed) FIXED

Submitted some jobs and then reconfigured the service with a different value of CREAM_SANDBOX_PATH. Then purged, with the JobDBAdminPurger.sh script, purged some jobs submitted before the switch.

Verified that:

- that the jobs have been purged from the CREAM DB (i.e. a glite-ce-job-status should not find them anymore)
- that the relevant CREAM sandbox directories have been deleted
- Bug #84374 (yaim-cream-ce: GlueForeignKey: GlueCEUniqueID: published using : instead of=) FIXED

```
$ ldapsearch -h cream-35.pd.infn.it -x -p 2170 -b "o=grid" | grep -i foreignkey | grep -i glueceu
GlueForeignKey: GlueCEUniqueID=cream-35.pd.infn.it:8443/cream-lsf-creamtest1
GlueForeignKey: GlueCEUniqueID=cream-35.pd.infn.it:8443/cream-lsf-creamtest2
GlueForeignKey: GlueCEUniqueID=cream-35.pd.infn.it:8443/cream-lsf-creamcert1
```

Entries have the right format:

```
GlueForeignKey: GlueCEUniqueID=<CREAM CE ID>
```

- Bug #86191 (No info published by the lcg-info-dynamic-scheduler for one VOView) FIXED

Verified that:

```
ldapsearch -h cream-35 -x -p 2170 -b "o=grid" | grep -i GlueCEStateWaitingJobs | grep -i 444444
```

doesn't return anything

- Bug #87361 ([yaim-cream-ce] The attribute cream_concurrency_level should be configurable via yaim) FIXED

Set in seiteinfo.def the variable CREAM_CONCURRENCY_LEVEL to 40. After configuration verified that in /etc/glite-ce-cream/cream-config.xml there is:

```
cream_concurrency_level="40"
```

- Bug #87492 (CREAM doesn't handle correctly the jdl attribute "environment") FIXED

Submitted the following JDL using glite-ce-job-submit:

```
Environment = {
"GANGA_LCG_VO='camont:/camont/Role=lcgadmin'",
"LFC_HOST='lfc0448.gridpp.rl.ac.uk'",
"GANGA_LOG_HANDLER='WMS'"
};
executable="/bin/env";
```

Regression tests

```
stdoutput="out.out";
outputsandbox={"out.out"};
outputsandboxbasedesturi="gsiftp://localhost";
```

When the job was in done status, retrieved the output and checked that in `out.out` the variables `GANGA_LCG_VO`, `LFC_HOST` and `GANGA_LOG_HANDLER` have exactly the values defined in the JDL.

Performance and scalability tests

See here for more information on these tests.

Description: Simple submission with polling

Summary: PASSED

```
cream-test-monitored-submit -r 30 -n 1000 -m 50 -C 50 -l log4py_test_01.conf -j simple.jdl -R cre
```

Output is here

Description: Submission and cancellation with polling

Summary: PASSED

```
cream-test-monitored-cancel -r 30 -n 1000 -m 50 -C 50 -l log4py_test_03.conf -j simple.jdl -R cre
```

Output is here

Description: Submission with polling and sandbox transfer

Summary: PASSED

```
cream-test-monitored-submit -r 30 -n 1000 -m 50 -C 50 -l log4py_test_05.conf -j testsb-cream-38.j
```

Output is here

Description: Simple submission with polling and proxy renewal

Summary: PASSED

```
cream-test-monitored-submit -r 60 -n 50 -m 10 -C 10 -l log4py.conf -j long.jdl --vo dteam --vali
```

Output is here

Description: Simple submission with polling and lease updated

Summary: PASSED

```
cream-test-monitored-lease-updated -r 60 -n 50 -m 10 -C 10 -l log4py_test_14.conf -W 1200 -R crea
```

Output is here

Standard compliance and conformance tests

Glue 1.3 and Glue 2.0 standard compliance is tested through Glue validator

Description: Glue 1.3 Conformance test

Summary : FAILED

Glue validator output is here.

The reported errors (which are not a serious problem) are due to bug #88720 in the LSF info provider (CREAM LSF module). These are not new errors (i.e. they haven't been introduced by this update).

Description: Glue 2.0 Conformance test

Summary: PASSED

Glue validator output is here

Nagios probes test

Clean installation

Environment

Clean SL5 installation plus an *EMI-UI* according to EMI guidelines.

```
[root@devel115 ~]# cat /etc/emi-version  
1.5.0-1
```

Repositories

- `wget --no-check-certificate https://twiki.cern.ch/twiki/pub/EMI/EMI1Updates/testing.repo -O /etc/yum.repos.d/testing.repo`
- `wget http://repository.egi.eu/sw/production/sam/1/repofiles/sam.repo -O /etc/yum.repos.d/sam.repo`

Install

`yum install emi-cream-nagios`

```
[root@devel115 yum.repos.d]# yum install emi-cream-nagios  
Loaded plugins: downloadonly, kernel-module, priorities, protect-packages, protectbase, security,  
Repository EGI-trustanchors is listed more than once in the configuration  
4169 packages excluded due to repository priority protections  
23 packages excluded due to repository protections  
Reading version lock configuration  
Setting up Install Process  
Resolving Dependencies  
--> Running transaction check  
---> Package emi-cream-nagios.noarch 0:1.0.0-5 set to be updated  
--> Processing Dependency: nagios-submit-conf >= 0.2 for package: emi-cream-nagios  
--> Processing Dependency: python-suds >= 0.3.5 for package: emi-cream-nagios  
--> Processing Dependency: python-GridMon >= 1.1.10 for package: emi-cream-nagios  
--> Processing Dependency: python-ldap for package: emi-cream-nagios  
--> Running transaction check  
---> Package nagios-submit-conf.noarch 0:0.2-2.e15 set to be updated  
---> Package python-GridMon.noarch 0:1.1.12-1.e15 set to be updated  
---> Package python-ldap.x86_64 0:2.2.0-2.1 set to be updated  
---> Package python-suds.noarch 0:0.3.7-1.e15 set to be updated  
--> Finished Dependency Resolution  
Beginning Kernel Module Plugin  
Finished Kernel Module Plugin
```

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Dependencies Resolved

```
=====
Package                               Arch                               Version
=====
```

Package	Arch	Version
Installing:		
emi-cream-nagios	noarch	1.0.0-5
Installing for dependencies:		
nagios-submit-conf	noarch	0.2-2.e15
python-GridMon	noarch	1.1.12-1.e15
python-ldap	x86_64	2.2.0-2.1
python-suds	noarch	0.3.7-1.e15

Transaction Summary

```
=====
Install      5 Package(s)
Upgrade      0 Package(s)
```

Total download size: 1.5 M

Is this ok [y/N]: y

Downloading Packages:

```
(1/5): nagios-submit-conf-0.2-2.e15.noarch.rpm
(2/5): python-ldap-2.2.0-2.1.x86_64.rpm
(3/5): python-GridMon-1.1.12-1.e15.noarch.rpm
(4/5): python-suds-0.3.7-1.e15.noarch.rpm
(5/5): emi-cream-nagios-1.0.0-5.noarch.rpm
```

Total

Running rpm_check_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing      : python-ldap
Installing      : nagios-submit-conf
Installing      : python-suds
Installing      : python-GridMon
Installing      : emi-cream-nagios
```

Installed:

```
emi-cream-nagios.noarch 0:1.0.0-5
```

Dependency Installed:

```
nagios-submit-conf.noarch 0:0.2-2.e15    python-GridMon.noarch 0:1.1.12-1.e15    python-ldap.
```

Complete!

Upgrade from production

N/A: This is the initial release. No previous version to upgrade from.

Unit Tests

N/A: The nagios probes are interpreted python scripts. Unit tests do not apply.

Regression Tests

N/A: This is the initial release. No associated bugs exist.

Functional Tests

Preparation

Log as a user and create a valid voms proxy

```
[root@devel15 ~]# su - gianelle
[gianelle@devel15 ~]$ voms-proxy-init -voms dteam
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle
Creating temporary proxy ..... Done
Contacting voms.hellasgrid.gr:15004 [/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr]
Creating proxy ..... Done
```

Your proxy is valid until Mon Nov 14 23:48:53 2011

CreamProbe (Worker node's metrics)

- State + Monit + Cancel

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
OK: [Submitted]
OK: [Submitted]
```

Connecting to the service https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server

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

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

<https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5pg>

The job identifier has been saved in the following file:
</var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/jobID>

=====

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
metric results >>> <cream-19.pd.infn.it,emi.cream.CREAMCE-JobState-dteam>
OK: [Ready] https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5pg
OK: [Ready] https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5pg
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
glite-wms-job-status https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5pg
```

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

BOOKKEEPING INFORMATION:

Status info for the Job : <https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5pg>
Current Status: Ready
Destination: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
Submitted: Mon Nov 14 11:49:15 2011 CET

=====

```
OK: Jobs processed - 1
OK: Jobs processed - 1
[Ready] : 1|jobs_processed=1;; DONE=0;; RUNNING=0;; SCHEDULED=0;; SUBMITTED=0;; READY=1;; WAITING
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
OK: job cancelled
OK: job cancelled
Testing from: devel15.cnaf.infn.it
```

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```
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
Job cancellation request sent:
glite-wms-job-cancel --noint -i /var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/
Job bookkeeping files deleted.
[gianelle@devel15 ~]$ glite-wms-job-status https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5p
```

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://cream-45.pd.infn.it:9000/K-OoDSFdwo3mBi50dNs5pg
Current Status:      Cancelled
Destination:        cream-19.pd.infn.it:8443/cream-lsf-creamcert1
Submitted:          Mon Nov 14 11:49:15 2011 CET
=====
```

Summary: PASSED

• State + Monit without notification

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
OK: [Submitted]
OK: [Submitted]
```

Connecting to the service https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server

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

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

https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg

The job identifier has been saved in the following file:
/var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/jobID

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
metric results >>> <cream-19.pd.infn.it,emi.cream,CREAMCE-JobState-dteam>
OK: [Scheduled] https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
OK: [Scheduled] https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
glite-wms-job-status https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
```

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

BOOKKEEPING INFORMATION:

```
Status info for the Job : https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
Current Status:      Scheduled
Status Reason:       unavailable
Destination:        cream-19.pd.infn.it:8443/cream-lsf-creamcert1
Submitted:          Mon Nov 14 11:56:54 2011 CET
=====
```

OK: Jobs processed - 1

OK: Jobs processed - 1

```
[Scheduled] : 1|jobs_processed=1;; DONE=0;; RUNNING=0;; SCHEDULED=1;; SUBMITTED=0;; READY=0;; WAITING=0
```

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
OK: Active job - Scheduled [2011-11-14T10:56:56Z]
```

CreamProbe (Worker node's metrics)

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```
OK: Active job - Scheduled [2011-11-14T10:56:56Z]
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANS: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x /
metric results >>> <cream-19.pd.infn.it,emi.cream.CREAMCE-JobSubmit-dteam>
OK: success.
OK: success.
```

```
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANS: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
glite-wms-job-status https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
Current Status:      Done (Success)
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-19.pd.infn.it:8443/cream-lsf-creamcert1
Submitted:          Mon Nov 14 11:56:54 2011 CET
=====
```

```
Getting job output: OK.
```

```
metric results >>> <cream-19.pd.infn.it,emi.cream.CREAMCE-JobState-dteam>
```

```
OK: success.
```

```
OK: success.
```

```
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANS: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
glite-wms-job-status https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
Current Status:      Done (Success)
Exit code:          0
Status Reason:      Job Terminated Successfully
Destination:        cream-19.pd.infn.it:8443/cream-lsf-creamcert1
Submitted:          Mon Nov 14 11:56:54 2011 CET
=====
```

```
Getting job output: OK.
```

```
OK: Jobs processed - 1
```

```
OK: Jobs processed - 1
```

```
Done : 1|jobs_processed=1;; DONE=1;; RUNNING=0;; SCHEDULED=0;; SUBMITTED=0;; READY=0;; WAITING=0;
```

```
[gianelle@devel15 ~]$ glite-wms-job-status https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
```

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

```
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://cream-45.pd.infn.it:9000/g4lwum36B0ICfoMiF8SIbg
Current Status:      Cleared
Status Reason:      user retrieved output sandbox
Destination:        cream-19.pd.infn.it:8443/cream-lsf-creamcert1
Submitted:          Mon Nov 14 11:56:54 2011 CET
=====
```

```
[gianelle@devel15 ~]$ ls -l /var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/jobOu
```

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total 16

```
-rw-r--r-- 1 gianelle emitestbed 3627 Nov 14 11:58 gridjob.out  
-rw-r--r-- 1 gianelle emitestbed 8955 Nov 14 11:58 wnlogs.tgz
```

```
[gianelle@devel115 ~]$ cat /var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/jobOutp
```

```
Launched with parameters: -v dteam -t 600 -w 1 -m
```

```
=== [Mon Nov 14 11:57:09 CET 2011] ===
```

```
=== Running on ===
```

```
=== Site: INFN-EMITESTBED
```

```
=== CE: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
```

```
=== WN: prod-wn-001.pn.pd.infn.it
```

```
=== WN arch: x86_64.
```

```
=== [Mon Nov 14 11:57:09 CET 2011] ===
```

```
=== Running on ===
```

```
=== Site: INFN-EMITESTBED
```

```
=== CE: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
```

```
=== WN: prod-wn-001.pn.pd.infn.it
```

```
=== WN arch: x86_64
```

```
Check Python version:
```

```
/usr/bin/python
```

```
Python 2.4.3
```

```
Can we import Python LDAP ...
```

```
YES.
```

```
Setting Nagios configuration.
```

```
Nagios Core 3.2.1
```

```
Copyright (c) 2009-2010 Nagios Core Development Team and Community Contributors
```

```
Copyright (c) 1999-2009 Ethan Galstad
```

```
Last Modified: 03-09-2010
```

```
License: GPL
```

```
Website: http://www.nagios.org
```

```
Reading configuration data...
```

```
  Read main config file okay...
```

```
Processing object config directory '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config file '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config file '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config file '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config file '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config directory '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config directory '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/comm
```

```
Processing object config file '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/wn.d
```

```
Processing object config file '/home/dteam017/home_cre19_413248857/CREAM413248857/nagios/etc/wn.d
```

```
  Read object config files okay...
```

```
Running pre-flight check on configuration data...
```

```
Checking services...
```

```
  Checked 3 services.
```

```
Checking hosts...
```

```
  Checked 1 hosts.
```

```
Checking host groups...
```

```
  Checked 0 host groups.
```

```
Checking service groups...
```

```
  Checked 0 service groups.
```

```
Checking contacts...
```

```
  Checked 1 contacts.
```

```
Checking contact groups...
```

```
  Checked 1 contact groups.
```

```
Checking service escalations...
```

```
  Checked 0 service escalations.
```

```
Checking service dependencies...
```

```
  Checked 0 service dependencies.
```

```
Checking host escalations...
```

```
  Checked 0 host escalations.
```

```
Checking host dependencies...
```

```
  Checked 0 host dependencies.
```

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```
Checking commands...
  Checked 4 commands.
Checking time periods...
  Checked 1 time periods.
Checking for circular paths between hosts...
Checking for circular host and service dependencies...
Checking global event handlers...
Checking obsessive compulsive processor commands...
Checking misc settings...
```

```
Total Warnings: 0
Total Errors: 0
```

```
Things look okay - No serious problems were detected during the pre-flight check
Launching Nagios: Mon Nov 14 11:57:09 CET 2011
Launch Nagios as background process.
```

```
Nagios Core 3.2.1
Copyright (c) 2009-2010 Nagios Core Development Team and Community Contributors
Copyright (c) 1999-2009 Ethan Galstad
Last Modified: 03-09-2010
License: GPL
```

```
Website: http://www.nagios.org
Nagios 3.2.1 starting... (PID=22714)
Local time is Mon Nov 14 11:57:09 CET 2011
Nagios pid: 22714
>>>>>>>>>>>>>>>>>> Mon Nov 14 11:57:18 CET 2011
T |S |c |U |O |W |C |A |P |
3 |3 |3 |0 |3 |0 |0 |3 |0 |
Services Total 3 Checked: 3
All services were checked. Killing Nagios.
Nagios was successfully killed.
tar: Removing leading `/' from member names
Mon Nov 14 11:57:20 CET 2011
===== Mon Nov 14 11:57:20 CET 2011
```

```
[gianelle@devel115 ~]$ tar ztvf /var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/jo
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:57:18 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam    920 2011-11-14 11:57:18 home/dteam017/home_cre19_413248857/CREAM413248
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:56:53 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam      0 2011-11-11 17:28:52 home/dteam017/home_cre19_413248857/CREAM413248
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:56:53 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam      0 2011-11-11 17:28:52 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam    5804 2011-11-14 11:57:09 home/dteam017/home_cre19_413248857/CREAM413248
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:56:53 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam      0 2011-11-11 17:28:52 home/dteam017/home_cre19_413248857/CREAM413248
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:57:15 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam      0 2011-11-11 17:28:52 home/dteam017/home_cre19_413248857/CREAM413248
-rw-r--r-- dteam017/dteam    69472 2011-11-14 11:57:18 home/dteam017/home_cre19_413248857/CREAM41324
-rw-r--r-- dteam017/dteam      0 2011-11-11 17:28:52 home/dteam017/home_cre19_413248857/CREAM41324
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:56:53 home/dteam017/home_cre19_413248857/CREAM41324
-rw-r--r-- dteam017/dteam      0 2011-11-11 17:25:56 home/dteam017/home_cre19_413248857/CREAM41324
drwxr-xr-x dteam017/dteam      0 2011-11-14 11:57:13 tmp/sam.22681.23260/msg-outgoing/
drwxrwxr-x dteam017/dteam      0 2011-11-14 11:57:13 tmp/sam.22681.23260/msg-outgoing/obsolete/
drwxrwxr-x dteam017/dteam      0 2011-11-14 11:57:15 tmp/sam.22681.23260/msg-outgoing/00000000/
drwxrwxr-x dteam017/dteam      0 2011-11-14 11:57:15 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
-rw-rw-r-- dteam017/dteam    778 2011-11-14 11:57:15 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
-rw-rw-r-- dteam017/dteam    83 2011-11-14 11:57:15 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
drwxrwxr-x dteam017/dteam      0 2011-11-14 11:57:13 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
-rw-rw-r-- dteam017/dteam    1018 2011-11-14 11:57:13 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
-rw-rw-r-- dteam017/dteam    83 2011-11-14 11:57:13 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
drwxrwxr-x dteam017/dteam      0 2011-11-14 11:57:14 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
-rw-rw-r-- dteam017/dteam    396 2011-11-14 11:57:14 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
-rw-rw-r-- dteam017/dteam    83 2011-11-14 11:57:14 tmp/sam.22681.23260/msg-outgoing/00000000/4ec
drwxrwxr-x dteam017/dteam      0 2011-11-14 11:57:15 tmp/sam.22681.23260/msg-outgoing/temporary/
```

Cream1133TestingReport < CREAM < TWiki

```
[gianelle@devel15 tmp]$ cat tmp/sam.22681.23260/msg-outgoing/00000000/4ec0f40b024200/text_body
serviceURI: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
hostName: localhost.localdomain
serviceFlavour: CE
siteName: INFN-EMITESTBED
metricStatus: OK
metricName: emi.wn.WN-SoftVer
summaryData: OK: EMI 1.3.0-1
gatheredAt: prod-wn-001.pn.pd.infn.it
timestamp: 2011-11-14T10:57:15Z
nagiosName: emi.wn.WN-SoftVer-dteam
role: site
voName: dteam
serviceType: emi.wn.WN
detailsData: Installed software version\n+ type=unknow\n+ mwver=error\n+ type -f glite-version\n/
EOT

[gianelle@devel15 tmp]$ cat tmp/sam.22681.23260/msg-outgoing/00000000/4ec0f409051e7b/text_body
serviceURI: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
hostName: localhost.localdomain
serviceFlavour: CE
siteName: INFN-EMITESTBED
metricStatus: OK
metricName: emi.wn.WN-Bi
summaryData: OK: getCE: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
gatheredAt: prod-wn-001.pn.pd.infn.it
timestamp: 2011-11-14T10:57:13Z
nagiosName: emi.wn.WN-Bi-dteam
role: site
voName: dteam
serviceType: emi.wn.WN
detailsData: Checking if BrokerInfo works\nBrokerInfo file: /home/dteam017/home_cre19_413248857/C
EOT

[gianelle@devel15 tmp]$ cat tmp/sam.22681.23260/msg-outgoing/00000000/4ec0f40a06c66f/text_body
serviceURI: cream-19.pd.infn.it:8443/cream-lsf-creamcert1
hostName: localhost.localdomain
serviceFlavour: CE
siteName: INFN-EMITESTBED
metricStatus: OK
metricName: emi.wn.WN-Csh
summaryData: OK
gatheredAt: prod-wn-001.pn.pd.infn.it
timestamp: 2011-11-14T10:57:14Z
nagiosName: emi.wn.WN-Csh-dteam
role: site
voName: dteam
serviceType: emi.wn.WN
detailsData: Checking if CSH works\nTest: OK.\n
EOT
```

Summary: PASSED

• State + Monit with notification

```
[gianelle@devel15 tmp]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x
OK: [Submitted]
OK: [Submitted]
```

Connecting to the service https://cream-45.pd.infn.it:7443/glite_wms_wmproxy_server

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

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

https://cream-45.pd.infn.it:9000/0hoj1P_hz_t0opoS1VU7RA

CreamProbe (Worker node's metrics)

Cream1133TestingReport < CREAM < TWiki

The job identifier has been saved in the following file:
/var/lib/gridprobes/dteam/emi.cream/CREAMCE/cream-19.pd.infn.it/jobID

=====

```
[gianelle@devel15 tmp]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCE-probe --vo dteam -x
metric results >>> <cream-19.pd.infn.it,emi.cream.CREAMCE-JobSubmit-dteam>
OK: success.
OK: success.
```

```
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
glite-wms-job-status https://cream-45.pd.infn.it:9000/0hoj1P_hz_t0opoSlVU7RA
```

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://cream-45.pd.infn.it:9000/0hoj1P_hz_t0opoSlVU7RA
Current Status:      Done (Success)
Exit code:           0
Status Reason:       Job Terminated Successfully
Destination:         cream-19.pd.infn.it:8443/cream-lsf-creamcert2
Submitted:           Mon Nov 14 12:07:20 2011 CET
```

```
=====
```

Getting job output: OK.

```
metric results >>> <cream-19.pd.infn.it,emi.cream.CREAMCE-JobState-dteam>
OK: success.
OK: success.
```

```
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
glite-wms-job-status https://cream-45.pd.infn.it:9000/0hoj1P_hz_t0opoSlVU7RA
```

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://cream-45.pd.infn.it:9000/0hoj1P_hz_t0opoSlVU7RA
Current Status:      Done (Success)
Exit code:           0
Status Reason:       Job Terminated Successfully
Destination:         cream-19.pd.infn.it:8443/cream-lsf-creamcert2
Submitted:           Mon Nov 14 12:07:20 2011 CET
```

```
=====
```

Getting job output: OK.

```
OK: Jobs processed - 1
OK: Jobs processed - 1
Done : 1|jobs_processed=1;; DONE=1;; RUNNING=0;; SCHEDULED=0;; SUBMITTED=0;; READY=0;; WAITING=0;
```

And from the log file of the Message Broker server:

```
2011-11-14 12:07:40,088 [Thread-2] coilmq.server.socketserver.StompRequestHandler - DEBUG - Proc
content-length:1017
ROC:UNDEFINED
sitename:INFN-EMITESTBED
destination:/tmp/msg
persistent:true
nagios_host:localhost.localdomain
role:site
```

Cream1133TestingReport < CREAM < TWiki

```
serviceURI: cream-19.pd.infn.it:8443/cream-lsf-creamcert2
hostName: localhost.localdomain
serviceFlavour: CE
siteName: INFN-EMITESTBED
metricStatus: OK
metricName: emi.wn.WN-Bi
summaryData: OK: getCE: cream-19.pd.infn.it:8443/cream-lsf-creamcert2
gatheredAt: prod-wn-001.pn.pd.infn.it
timestamp: 2011-11-14T11:07:39Z
nagiosName: emi.wn.WN-Bi-dteam
role: site
voName: dteam
serviceType: emi.wn.WN
detailsData: Checking if BrokerInfo works\nBrokerInfo file: /home/dteam017/home_cre19_698717429/C
EOT
```

```
2011-11-14 12:07:41,089 [Thread-2] coilmq.server.socketserver.StompRequestHandler - DEBUG - Proce
content-length:396
ROC:UNDEFINED
sitename:INFN-EMITESTBED
destination:/tmp/msg
persistent:true
nagios_host:localhost.localdomain
role:site
```

```
serviceURI: cream-19.pd.infn.it:8443/cream-lsf-creamcert2
hostName: localhost.localdomain
serviceFlavour: CE
siteName: INFN-EMITESTBED
metricStatus: OK
metricName: emi.wn.WN-Csh
summaryData: OK
gatheredAt: prod-wn-001.pn.pd.infn.it
timestamp: 2011-11-14T11:07:40Z
nagiosName: emi.wn.WN-Csh-dteam
role: site
voName: dteam
serviceType: emi.wn.WN
detailsData: Checking if CSH works\nTest: OK.\n
EOT
```

```
2011-11-14 12:07:42,090 [Thread-2] coilmq.server.socketserver.StompRequestHandler - DEBUG - Proce
content-length:778
ROC:UNDEFINED
sitename:INFN-EMITESTBED
destination:/tmp/msg
persistent:true
nagios_host:localhost.localdomain
role:site
```

```
serviceURI: cream-19.pd.infn.it:8443/cream-lsf-creamcert2
hostName: localhost.localdomain
serviceFlavour: CE
siteName: INFN-EMITESTBED
metricStatus: OK
metricName: emi.wn.WN-SoftVer
summaryData: OK: EMI 1.3.0-1
gatheredAt: prod-wn-001.pn.pd.infn.it
timestamp: 2011-11-14T11:07:41Z
nagiosName: emi.wn.WN-SoftVer-dteam
role: site
voName: dteam
serviceType: emi.wn.WN
detailsData: Installed software version\n+ type=unknow\n+ mwver=error\n+ type -f glite-version\n/
EOT
```

Summary: PASSED

CreamDJSProbe (Direct Job Submission)

• JobState + JobMonit

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: Job was submitted [https://cream-30.pd.infn.it:8443/CREAM763597948].
OK: Job was submitted [https://cream-30.pd.infn.it:8443/CREAM763597948].
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
```

https://cream-30.pd.infn.it:8443/CREAM763597948

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
metric results >>> <cream-30.pd.infn.it,emi.cream.CREAMCEDJS-DirectJobState-dteam>
OK: [REALLY-RUNNING] https://cream-30.pd.infn.it:8443/CREAM763597948
OK: [REALLY-RUNNING] https://cream-30.pd.infn.it:8443/CREAM763597948
```

glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM763597948

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM763597948]
      Status      = [REALLY-RUNNING]
OK: Jobs processed - 1
OK: Jobs processed - 1
[REALLY-RUNNING] : 1|jobs_processed=1;; DONE=0;; REALLY-RUNNING=1;; RUNNING=0;; REGISTERED=0;; PE
```

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: DONE.
metric results >>> <cream-30.pd.infn.it,emi.cream.CREAMCEDJS-DirectJobSubmit-dteam>
```

metric results >>> <cream-30.pd.infn.it,emi.cream.CREAMCEDJS-DirectJobState-dteam>

```
OK: Jobs processed - 1
OK: Jobs processed - 1
DONE : 1|jobs_processed=1;; DONE=1;; REALLY-RUNNING=0;; RUNNING=0;; REGISTERED=0;; PENDING=0;; ID
```

```
[gianelle@devel15 ~]$ cat /var/lib/gridprobes/dteam/emi.cream/CREAMCEDJS/cream-30.pd.infn.it/jobO
cream-wn-030.pn.pd.infn.it
```

Summary: PASSED

• JobState + JobMonit + JobCancel

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: Job was submitted [https://cream-30.pd.infn.it:8443/CREAM585707591].
OK: Job was submitted [https://cream-30.pd.infn.it:8443/CREAM585707591].
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
```

https://cream-30.pd.infn.it:8443/CREAM585707591

```
[gianelle@devel15 ~]$ glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM585707591
```

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM585707591]
      Status      = [REALLY-RUNNING]
```

Cream1133TestingReport < CREAM < TWiki

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: job cancelled
OK: job cancelled
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
Job cancellation request sent:
glite-ce-job-cancel --noint https://cream-30.pd.infn.it:8443/CREAM585707591
Job bookkeeping files deleted.
```

```
[gianelle@devel15 ~]$ glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM585707591
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM585707591]
  Status      = [CANCELLED]
  ExitCode    = []
  Description  = [Cancelled by user]
```

Summary: PASSED

• DelegateProxy

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: [Delegated]
OK: [Delegated]
glite-ce-delegate-proxy -e cream-30.pd.infn.it:8443 dteam-1d597
2011-11-14 12:23:34,573 NOTICE - Proxy with delegation id [dteam-1d597] succesfully delegated to
```

```
[gianelle@devel15 ~]$ glite-ce-job-submit -D dteam-1d597 -r cream-30.pd.infn.it:8443/cream-pbs-ce
https://cream-30.pd.infn.it:8443/CREAM343968812
```

```
[gianelle@devel15 ~]$ glite-ce-job-status https://cream-30.pd.infn.it:8443/CREAM343968812
```

```
***** JobID=[https://cream-30.pd.infn.it:8443/CREAM343968812]
  Status      = [DONE-OK]
  ExitCode    = [0]
```

```
[gianelle@devel15 ~]$ glite-ce-job-status -L 2 https://cream-30.pd.infn.it:8443/CREAM343968812 |
  Deleg Proxy ID = [dteam-1d597]
```

Summary: PASSED

• ServiceInfo

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: success
OK: success
Testing from: devel15.cnaf.infn.it
DN: /C=IT/O=INFN/OU=Personal Certificate/L=Padova/CN=Alessio Gianelle/CN=proxy
VOMS FQANs: /dteam/Role=NULL/Capability=NULL, /dteam/NGI_IT/Role=NULL/Capability=NULL
success
description = CREAM 2
doesAcceptNewJobSubmissions = True
interfaceVersion = 2.1
property = [(Property){
  name = "cemon_url"
  value = "NA"
}]
serviceVersion = 1.13
startupTime = 2011-10-10 14:44:12.000638
status = RUNNING
```


Summary: PASSED

- **SubmitAllowed**

```
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: [Submission Allowed]
OK: [Submission Allowed]
glite-ce-allowed-submission cream-30.pd.infn.it:8443
Job Submission to this CREAM CE is enabled
```

```
[gianelle@devel15 ~]$ glite-ce-disable-submission cream-30.pd.infn.it
Operation for disabling new submissions succeeded
[gianelle@devel15 ~]$ /usr/libexec/grid-monitoring/probes/emi.cream/CREAMCEDJS-probe --vo dteam -
OK: [Submission Allowed]
OK: [Submission Allowed]
glite-ce-allowed-submission cream-30.pd.infn.it:8443
Job Submission to this CREAM CE is disabled
```

Summary: PASSED

-- MassimoSgaravatto - 2011-11-09

This topic: CREAM > Cream1133TestingReport
Topic revision: r16 - 2011-11-14 - AlessioGianelle



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