

# Testing and Certification report savannah task #23314: CREAM LSF module v. 2.0.0 (EMI2)

## Summary

- Product: **CREAM LSF module v. 2.0.0**
- Release Task: Task #23314
- ETICS Subsystem Configuration Name: **emi-lsf-utils-mp\_R\_2\_0\_0\_1**
- VCS Tag:
- EMI Major Release: EMI 2 (Matterhorn)
- Platform: SL5 epel, SL6 epel
- Author: Sara Bertocco
- Testing report: EMI2\_TestReport\_Task23314.txt
- Certification report: EMI2\_CertificationReport\_Task23314.txt
- Date: 27st April 2012
- Outcome: Certified

## SL5

### Deployment tests

#### Clean Installation

- EMI2 CREAM LSF Module SL5 installation from scratch and configuration log [here](#).
- EMI2 CREAM LSF Module SL6 installation from scratch and configuration log [here](#).

#### Upgrade Installation

- EMI2 CREAM LSF Module SL5 update from EMI1 production version and configuration log [here](#).

### Unit Tests

NA

### System tests

#### Functionality tests

The functionality tests are performed in the cream testing environment. See [here](#)

#### Regression tests

NA

#### Verification attached bugs

[<https://savannah.cern.ch/bugs/?88720>][bug #88720: Too many '9' in GlueCEPolicyMaxCPUTime for LSF] FIXED

The EMI2 cream ce is now publishing the right '9' number

```
[root@cream-48 ~]# cat /etc/emi-version
```

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2.0.0-1

```
$ ldapsearch -x -h cream-48.pd.infn.it:2170 -b mds-vo-name=resource,o=grid |grep GlueCEPolicyMaxCPU  
GlueCEPolicyMaxCPUTime: 999999999
```

[\[https://savannah.cern.ch/bugs/?89767\]](https://savannah.cern.ch/bugs/?89767)**[bug #89767: The LSF dynamic infoprovider shouldn't publish GlueCEStateFreeCPUs and GlueCEStateFreeJobSlots] FIXED**

```
[root@cream-48 ~]# /sbin/runuser -s /bin/sh ldap -c "/var/lib/bdii/gip/plugin/glite-info-dynamic-  
[root@cream-48 ~]# /sbin/runuser -s /bin/sh ldap -c "/var/lib/bdii/gip/plugin/glite-info-dynamic-
```

[\[https://savannah.cern.ch/bugs/?89794\]](https://savannah.cern.ch/bugs/?89794)**[bug #89794: LSF info provider doesn't allow - in a queue name] FIX NOT CERTIFIED**

Trying to configure in site-info.def

```
QUEUES="demo cert testers bye-baby"  
  
DEMO_GROUP_ENABLE="dteam testers.eu-emi.eu"  
CERT_GROUP_ENABLE="dteam testers.eu-emi.eu"  
TESTERS_GROUP_ENABLE="testers.eu-emi.eu"  
BYE-BABY_GROUP_ENABLE="dteam testers.eu-emi.eu"
```

Yaim throws a syntax error:

```
/opt/glite/yaim/bin/yaim -d 6 -c -s /root/siteinfo/site-info.def -n creamCE -n LSF_utils  
DEBUG: Checking siteinfo dir is not world readable  
WARNING:  
WARNING: *****  
WARNING: Your siteinfo directory is world readable. This is generally a bad idea  
WARNING: as configuration files may contain passwords and other sensitive information.  
WARNING: *****  
WARNING:  
DEBUG: Checking site-info.def is syntactically correct  
ERROR: The site-info specified: /root/siteinfo/site-info.def is syntactically incorrect. Please  
ERROR: Configuration file error
```

So it is not possible to reproduce the bug using a yaim configuration.

[\[https://savannah.cern.ch/bugs/?90113\]](https://savannah.cern.ch/bugs/?90113)**[bug #90113: missing yaim check for batch system] FIXED**

Installation:

```
mv dag.repo dag.repo.remove  
cd /etc/yum.repos.d/  
mv dag.repo dag.repo.remove  
rpm -Uvh http://dl.fedoraproject.org/pub/epel/5/i386/epel-release-5-4.noarch.rpm  
wget http://repository.egi.eu/sw/production/cas/1/current/repo-files/EGI-trustanchors.repo -O /etc/yum.repos.d/egi-trustanchors.repo  
wget https://twiki.cern.ch/twiki/pub/EMI/EMI-2/emi-2-rc-sl5.repo -O /etc/yum.repos.d/emi-2-rc-sl5.repo  
yum install yum-protectbase -y; yum install ca-policy-egi-core -y; yum install xml-commons-apis -y  
yum install emi-lsf-utils -y
```

Running yaim:

```
/opt/glite/yaim/bin/yaim -c -s /usr/local/nfs1/jral_test/cream-06/site-info_certification.def -n  
/opt/glite/yaim/functions/config_check_lsf_installation: line 43: /opt/lsf/7.0/linux2.6-glibc2.3-  
WARNING:  
WARNING: *****  
WARNING: Your siteinfo directory is world readable. This is generally a bad idea  
WARNING: as configuration files may contain passwords and other sensitive information.  
WARNING: *****  
WARNING:  
INFO: Configuring HOST: cream-06.pd.infn.it  
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/site-info.pre
```

[\[https://savannah.cern.ch/bugs/?88720\]](https://savannah.cern.ch/bugs/?88720)**[bug #88720: Too many '9' in GlueCEPolicyMaxCPUTime for LSF] F**

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```
INFO: Using site configuration file: /usr/local/nfs1/jral_test/cream-06/site-info_certificatio
DEBUG: Sourcing site-info.def file: /usr/local/nfs1/jral_test/cream-06/site-info_certificatio
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/site-info.post
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/mapping
INFO:
```

```
#####
```

```
.      /'-. ' )
.      yA,-"-,( ,m,:/ ) .oo.      oo      o      ooo o.      .oo
.      /      .-Y a  a Y-.      8. .8'      8'8.      8      8b  d'8
.      /      ~ ~ /      8'      .8oo88.      8      8 8' 8
.      (_/      '===='      8      .8'      8.      8      8 Y 8
.      Y,-''-,Yy,-.,/      o8o o8o      o88o o8o o8o      o8o
.      I_))_) I_))_)
```

```
current working directory: /etc/yum.repos.d
site-info.def date: Apr 27 17:25 /usr/local/nfs1/jral_test/cream-06/site-info_certificatio
yaim command: -c -s /usr/local/nfs1/jral_test/cream-06/site-info_certification.def -n LS
log file: /opt/glite/yaim/bin/./log/yaimlog
Fri Apr 27 17:25:37 CEST 2012 : /opt/glite/yaim/bin/yaim
```

```
Installed YAIM versions:
glite-yaim-bdii 4.3.9-1
glite-yaim-core 5.0.3-4
glite-yaim-cream-ce 4.3.0-4
glite-yaim-lsf-utils 5.0.0-2
```

```
#####
```

```
INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: "Scientific Linux SL release 5.5 (Boron)"
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: GROUPS_CONF is defined. Adding global groups to the groups.conf temp file
DEBUG: GROUPS_CONF points now to the groups.conf temp file
DEBUG: GROUPS_CONF=/tmp/yaim.pd9165
DEBUG: Resulted NODE_TYPE_LIST is : LSF_utils
DEBUG: Setting environment variable GRID_ENV_LOCATION, to value "/usr/libexec".
DEBUG: Unset environment variable GRID_ENV_LOCATION.
DEBUG: Setting environment variable LCG_LOCATION, to value "/usr".
DEBUG: Unset environment variable LCG_LOCATION.
DEBUG: Setting environment variable GLITE_LOCATION, to value "/usr".
DEBUG: Unset environment variable GLITE_LOCATION.
DEBUG: Setting environment variable GLITE_LOCATION_VAR, to value "/var".
DEBUG: Unset environment variable GLITE_LOCATION_VAR.
DEBUG: Appending value "/bin" to environment variable PATH.
DEBUG: Deleting value "/bin" from environment variable PATH.
DEBUG: Appending value "/opt/glite/share/man" to environment variable MANPATH.
DEBUG: Deleting value "/opt/glite/share/man" from environment variable MANPATH.
DEBUG: Sourcing node definition file: /opt/glite/yaim/bin/./node-info.d/glite-lsf_utils
INFO: Executing function: config_check_lsf_installation_check
INFO: Executing function: config_apel_lsf_check
INFO: Executing function: config_gip_sched_plugin_lsf_check
INFO: Executing function: config_check_lsf_installation_setenv
DEBUG: This function currently doesn't set any environment variables.
INFO: Executing function: config_check_lsf_installation
DEBUG: Check if LSF is installed running lsid ...
ERROR: Problem running lsid: LSF not properly installed
ERROR: One of the functions returned with error without specifying its nature !
```

-- SaraBertocco - 2012-04-27

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[<https://savannah.cern.ch/bugs/?90113>][bug #90113: missing yaim check for batch system] FIXED 3

Topic revision: r4 - 2012-04-30 - SaraBertocco



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