

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 GlueCEPolicyMaxCPUTime: 999999999
```

[<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>][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 trows 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>][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-s15.repo -O /etc/yum.repos.d/emi-2-rc-s15.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-glibc2.3-2012.05.11-1.el6.x86_64: No such file or directory
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>][bug #88720: Too many '9' in GlueCEPolicyMaxCPUTime for LSF] FIX

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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_certification
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
.   (/     '===='
.   Y,-' '-,Yy,-.,/
.   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_certificat
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

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