

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

Name of the component	cream-sge		
Release	EMI.cream-sge.sl5.x86_64-2.0.2 EMI.cream-sge.sl6.x86_64-2.0.2 EMI.cream.sl6.x86_64-1.15.2 EMI.cream.sl5.x86_64-1.15.2	RT Ticket	#5675 #5674 #5672 #5673
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	crstina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Enol Fernández	enolfc@ifca.unican.es	
V. Hours Worked	4h		
Component status	Accepted	Date	14/06/2013
Verification start date	13/06/2013	Verification end date	14/06/2013

Summary:

Second release of the SGE support in EMI-3 and update of CREAM. This release of SGE fixes most of the issues found in the verification of the previous release. The job cancel still does not work out of the box, due to wrong path in the cancel script. The workaround described in GGUS #94128 is still applicable.

APEL parsers generate records correctly.

GGUS Tickets:

- https://ggus.eu/ws/ticket_info.php?ticket=94128

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	18	0	5	23
	Specific Quality Criteria			
TP				
VLD	9	1	5	15

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/FunctionalDescription
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://github.com/ge-utils/info-dynamic-scheduler/blob/master/RELEASE_NOTES.md https://github.com/ge-utils/yaim-functions/blob/master/RELEASE_NOTES.md https://issues.infn.it/browse/CREAM-76
GENERIC_DOC_3 (User Documentation)	NA		
GENERIC_DOC_4 (Online help (man pages))	NA		
GENERIC_DOC_5 (API Documentation)	NA		
GENERIC_DOC_6 (Administrator Documentatio	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI3
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEMI2
GENERIC_DOC_8 (Software License)	Y	VLD	Apache
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Available at github repo
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	See report, installs without issues
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	Tested with glite-UI
GENERIC_SOFT_2 (New features testing)	Y	VLD	No new features
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and sta	Y	VLD	Service OK
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Logs in /var/log/cream
GENERIC_SERVICE_3 (Service Reliability)	NA		
GENERIC_SERVICE_4 (Service Robustness)	NA		
GENERIC_SERVICE_5 (Automatic Configuratio	Y	VLD	yaim error fixed
GENERIC_SERVICE_6 (Default Password Conf	Y	VLD	No default passwords
GENERIC_SERVICE_7 (Default Configuration)	Y	VLD	Configuration worked out of the box
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	See report
GENERIC_SEC_3 (Passwords in world readable	Y	VLD	No passwords found
MISCELLANEOUS QC			
GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	Enrolled in GGUS
AUTHENTICATION QC			
AUTHN_CRED_1 (X.509 Certificate support)	Y		See report
AUTHN_CRED_2 (SHA2 Certificate support)	Y		SHA2 host proxy used for verification
AUTHN_CRED_3 (RFC Proxy support)	N		Jobs with RFC proxy fail with files in the sandbox
AUTHN_PROTO_1 (TLSSSLv3 Support)	Y		OK
AUTHN_DELEG_1 (Delegation Interface)	Y		Delegates proxies OK
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban UserGroup of users)	Y		OK

AUTHZ_PCYDEF_4 (Allowed users definition)	Y		OK
AUTHZ_PEP_2 (User Mapping)	Y		OK
AUTHZ_PEP_3 (Argus Integration)	Y		OK
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	See report
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	See report
JOBEXEC_JOB_2 (Simple Job with inputoutput)	Y	VLD	See report
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	Jobs are not cancelled, but workaround available
JOBEXEC_EXECMNGR_1 (Not Invasive Deploy)	Y	VLD	See report
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	Jobs are not cancelled, but workaround available
JOBEXEC_EXECMNGR_3 (Information Retrieval)	Y	VLD	See report
JOBEXEC_AVAIL_1 (Service Redundancy)	NA		
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	NA		
JOBEXEC_AVAIL_4 (Timely Job Status Updates)	NA		
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submission)	Y	VLD	See report
PARALLEL_JOB_2 (Single machine parallel job)	NA		
PARALLEL_JOB_3 (Fine grained mapping parallel)	NA		
INFORMATION MODEL QC			
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y		See report
INFOMODEL_SCHEMA_2 (Middleware Version)	Y		See report
INFOMODEL_SCHEMA_3 (GlueSchema 2.0 Support)	Y		See report
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Not tested		To be tested in SR
MON_PROBE_GENERIC_2 (Service Probe)	Not tested		To be tested in SR
MON_PROBE_JOBEXEC_1 (Job Execution Probe)	Not tested		To be tested in SR
MON_PROBE_JOBEXEC_2 (CREAM Job Execution)	Not tested		To be tested in SR
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances Accounting)	Y	VLD	See report
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line options coherence)	Not tested		No changes in the clients
CLIENT_TOOLS_2 (Error Messages)	Not tested		No changes in the clients

----- Installation

yaim install -y emi-cream-ce emi-ge-utils

```

=====
Package                Arch   Version                Repository              Size
=====
Installing:
emi-cream-ce           noarch 1.2.1-2.sl6           UMD-3-base              2.5 k
emi-ge-utils           noarch 2.0.2-2.1             EMI.cream-ge.sl6.x86_64
                                                                2.2 k
=====

```

Installing for dependencies:

[...]

Transaction Summary

Install 219 Package(s)

Total download size: 157 M

Installed size: 408 M

warning: rpmts_HdrFromFdno: Header V3 DSA/SHA1 Signature, key ID df9e12ef: NOKEY

Importing GPG key 0xDF9E12EF:

Userid: "Doina Cristina Aiftimiei (EMI Release Manager) <aiftim@pd.infn.it>"

From : http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi

warning: rpmts_HdrFromFdno: Header V4 DSA/SHA1 Signature, key ID b4d025b3: NOKEY

Importing GPG key 0xB4D025B3:

Userid: "Initiative for Globus in Europe - short (IGE) <info@ige-project.eu>"

From : http://repo-rpm.ige-project.eu/RPM-GPG-KEY-IGE

Importing GPG key 0x96B71B07:

Userid: "Kostas Koumantaros (UMD Release Manager) <kkoum@grnet.gr>"

From : http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY

Installed:

emi-cream-ce.noarch 0:1.2.1-2.sl6 emi-ge-utils.noarch 0:2.0.2-2.1

Dependency Installed:

[...]

----- Configuration

/opt/glite/yaim/bin/yaim -s /opt/glite/yaim/etc/site-info.def -c -n creamCE -n SGE_utils

INFO: Configuring HOST: test27.egi.cesga.es
INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def
INFO:

#####

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. 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: /root
site-info.def date: Jun 14 10:42 /opt/glite/yaim/etc/site-info.def
yaim command: -s /opt/glite/yaim/etc/site-info.def -c -n creamCE -n SGE_utils

ls

log file: /opt/glite/yaim/bin/./log/yaimlog
Fri Jun 14 10:42:12 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-bdii 4.3.13-1
glite-yaim-core 5.1.2-1
glite-yaim-cream-ce 4.4.2-1
glite-yaim-ge-utils 4.4.0

#####

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
INFO: Executing function: config_cream_detect_tomcat_check
INFO: Executing function: config_cream_stop_check

```

INFO: Executing function: config_cream_db_check
INFO: Executing function: config_cream_emies_scratch_reinstall_check
INFO: Executing function: config_cream_emies_db_check
INFO: Executing function: config_add_pool_env_check
INFO: Executing function: config_host_certs_check
INFO: Executing function: config_vommdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_users_check
INFO: Executing function: config_edgusers_check
INFO: Executing function: config_cream_glexec_user_check
INFO: Executing function: config_cream_clean_sudoers_check
INFO: Executing function: config_cream_sudoers_check
INFO: Executing function: config_vomsmmap_check
INFO: Executing function: config_cream_remove_subcluster_ce_check
INFO: Executing function: config_lcas_lcmapps_gt4_check
INFO: Executing function: config_globus_gridftp_check
INFO: Executing function: config_cream_glexec_check
INFO: Executing function: config_cream_blah_check
INFO: Executing function: config_cream_ce_check
INFO: Executing function: config_cream_emies_check
INFO: Executing function: config_cream_cemon_check
INFO: Executing function: config_cream_start_check
INFO: Executing function: config_cream_logrotation_check
INFO: Executing function: config_bdii_5.2_check
INFO: Executing function: config_cream_gip_info_dynamic_check
INFO: Executing function: config_cream_gip_check
INFO: Executing function: config_cream_gip_glue2_check
INFO: Executing function: config_cream_gip_scheduler_plugin_check
INFO: Executing function: config_cream_gip_software_plugin_check
INFO: Executing function: config_cream_vo_tag_dir_check
INFO: Executing function: config_info_service_cream_ce_check
INFO: Executing function: config_info_service_cemon_check
INFO: Executing function: config_cream_info_service_rtepublish_check
INFO: Executing function: config_cream_gliteservices_check
INFO: Executing function: config_cream_locallogger_check
INFO: Executing function: config_glite_locallogger_check
INFO: Executing function: config_secure_tomcat_check
INFO: Detecting TOMCAT
INFO: Executing function: config_sgeenv_check
INFO: Executing function: config_sgesub_check
INFO: Executing function: config_sgegg_check
INFO: Executing function: config_gip_sge_check
INFO: Executing function: config_ssh_sge_check
INFO: Executing function: config_cream_detect_tomcat_setenv
INFO: Executing function: config_cream_detect_tomcat
INFO: Detecting TOMCAT
INFO: Executing function: config_cream_stop_setenv
INFO: Executing function: config_cream_stop
INFO: Stopping tomcat
Stopping tomcat6: [ OK ]
INFO: Stopping blah
Shutting down BNotifier: [ OK ]
Shutting down BUpdaterSGE: [ OK ]
INFO: Stopping lb processes
glite-lb-locallogger: no process killed
Stopping glite-lb-logd ... done
Stopping glite-lb-interlogd ... not running
INFO: Executing function: config_cream_db_setenv
INFO: Executing function: config_cream_db
creamdb version requested by the service is 2.6
The version retrieved from the creamdb database is 2.6
The creamdb database is synchronized with the one requested by the service
INFO: creamdb.db_info table updated.
delegationcreamdb version requested by the service is 2.6
The version retrieved from the delegationcreamdb database is 2.6
The delegationcreamdb database is synchronized with the one requested by the service
INFO: Executing function: config_cream_emies_scratch_reinstall_setenv
INFO: Executing function: config_cream_emies_scratch_reinstall
INFO: Executing function: config_cream_emies_db_setenv
INFO: Executing function: config_cream_emies_db
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_ldconf

```

```

INFO: config_ldconf: function not needed anymore, left empty waiting to be removed
INFO: Executing function: config_sysconfig_edg
INFO: Executing function: config_host_certs
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...
Enabling periodic fetch-crl: [ OK ]
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
INFO: Executing function: config_vomses
INFO: Executing function: config_users
INFO: Executing function: config_edgusers
INFO: Executing function: config_cream_glexec_user_setenv
INFO: Executing function: config_cream_glexec_user
INFO: CONFIG_USERS is set to yes
INFO: Executing function: config_cream_clean_sudoers_setenv
INFO: Executing function: config_cream_clean_sudoers
INFO: /etc/sudoers file already clean. Probably installation from scratch
INFO: Executing function: config_cream_sudoers_setenv
INFO: Executing function: config_cream_sudoers
INFO: Executing function: config_vomsmap_setenv
INFO: Executing function: config_vomsmap
INFO: Creating grid-map directory in /etc/grid-security/gridmapdir
INFO: Creating voms grid-map file in /etc/grid-security/voms-grid-mapfile
INFO: Creating voms groupmap file in /etc/grid-security/groupmapfile
INFO: Copying the /etc/grid-security/voms-grid-mapfile in the standard location /
etc/grid-security/grid-mapfile
INFO: Executing function: config_cream_remove_subcluster_ce_setenv
INFO: Executing function: config_cream_remove_subcluster_ce
INFO: Executing function: config_lcas_lcmaps_gt4_setenv
INFO: Executing function: config_lcas_lcmaps_gt4
INFO: Creating LCAS_DB_FILE in /etc/lcas/lcas.db
INFO: Creating LCMAPS_DB_FILE in /etc/lcmaps/lcmaps.db
INFO: Executing function: config_globus_gridftp_setenv
INFO: Executing function: config_globus_gridftp
INFO: Starting gridftp service :
Stopping globus-gridftp-server: [ OK ]
Starting globus-gridftp-server: [ OK ]
INFO: Executing function: config_cream_glexec_setenv
INFO: Executing function: config_cream_glexec
INFO: Executing function: config_cream_blah_setenv
INFO: Executing function: config_cream_blah
INFO: BATCH SYSTEM = sge. Does not execute config_cream_blah!
INFO: Executing function: config_cream_ce_setenv
INFO: Executing function: config_cream_ce
INFO: File /etc/glite-ce-cream/cream-config.xml backed-up in /etc/glite-ce-cream/
cream-config.xml.bak_20130614_104308
INFO: Executing function: config_cream_emies_setenv
INFO: Executing function: config_cream_emies
INFO: Executing function: config_cream_cemon_setenv
INFO: Executing function: config_cream_cemon
INFO: Executing function: config_cream_start_setenv
INFO: Executing function: config_cream_start
INFO: Starting blparser
Starting BNotifier: [ OK ]
Starting BUpdaterSGE: [ OK ]
INFO: blah not running
INFO: Starting tomcat
Starting tomcat6: [ OK ]
INFO: Executing function: config_cream_logrotation_setenv
INFO: Executing function: config_cream_logrotation
INFO: Executing function: config_bdii_5.2
Stopping BDII update process: [ OK ]
Stopping BDII slapd: [ OK ]
Starting BDII slapd: [ OK ]
Starting BDII update process: [ OK ]
INFO: Executing function: config_cream_gip_info_dynamic_setenv
INFO: Executing function: config_cream_gip_info_dynamic
INFO: Executing function: config_cream_gip_setenv
INFO: Executing function: config_cream_gip
WARNING: Queue GRID_ops was enabled for one or more FQANS which specify an entire
VO
WARNING: Queue GRID_dteam was enabled for one or more FQANS which specify an enti
re VO

```

```
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an entire VO
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an entire VO
WARNING: Queue GRID_iberibeu was enabled for one or more FQANs which specify an entire VO
WARNING: Queue GRID_iberibeu was enabled for one or more FQANs which specify an entire VO
INFO: Executing function: config_cream_gip_glue2_setenv
INFO: Executing function: config_cream_gip_glue2
INFO: File /etc/glite-ce-glue2/glite-ce-glue2.conf backed-up in /etc/glite-ce-glue2/glite-ce-glue2.conf.bak_20130614_104323
INFO: Executing function: config_cream_gip_scheduler_plugin_setenv
INFO: Executing function: config_cream_gip_scheduler_plugin
INFO: Executing function: config_cream_gip_software_plugin_setenv
INFO: Executing function: config_cream_gip_software_plugin
INFO: Executing function: config_cream_vo_tag_dir
INFO: Executing function: config_info_service_cream_ce_setenv
INFO: Executing function: config_info_service_cream_ce
INFO: Executing function: config_info_service_cemon_setenv
INFO: Executing function: config_info_service_cemon
INFO: Executing function: config_cream_info_service_rtepublish_setenv
INFO: Executing function: config_cream_info_service_rtepublish
INFO: Executing function: config_cream_gliteservices_setenv
INFO: Executing function: config_cream_gliteservices
INFO: Executing function: config_cream_locallogger_setenv
INFO: Executing function: config_cream_locallogger
INFO: Executing function: config_glite_locallogger_setenv
INFO: Executing function: config_glite_locallogger
INFO: The workaround for bug 22389 already exists
Stopping glite-lb-logd ... not running
Stopping glite-lb-interlogd ... not running
Starting glite-lb-logd ...This is LocalLogger, part of Workload Management System in EU DataGrid & EGEE.
done
Warning: stale /var/run/glite/glite-lb-interlogd.pid for glite-lb-interlogd
Warning: stale /var/run/glite/glite-lb-interlogger.sock for glite-lb-interlogd
Starting glite-lb-interlogd ... done
INFO: Executing function: config_secure_tomcat_setenv
INFO: Executing function: config_secure_tomcat
INFO: Stop tomcat in case it's running
Stopping tomcat6: [FAILED]
INFO: Copying hostcert to /etc/grid-security/tomcat-cert.pem for tomcat:root.....
.
INFO: Copying hostkey to /etc/grid-security/tomcat-key.pem for tomcat:root...
INFO: Configuring /etc/tomcat6/server.xml...
INFO: Copying trustmanager log4j properties to tomcat configuration directory..
INFO: Linking log4j and bouncycastle jars to tomcat server lib directory..
INFO: Linking trustmanager jars to tomcat server lib directory...
INFO: Linking jakarta-commons-logging to tomcat server lib directory...
INFO: Defining JAVA_HOME in the Tomcat configuration file
INFO: Starting Tomcat
Starting tomcat6: [ OK ]
INFO: Executing function: config_cream_glite_initd
INFO: Executing function: config_sgeenv_setenv
INFO: Executing function: config_sgeenv
INFO: Build the scripts which set the proper SGE environment
INFO: Executing function: config_sgesub_setenv
INFO: Executing function: config_sgesub
INFO: Executing function: config_sgegg_setenv
INFO: Executing function: config_sgegg
INFO: Executing function: config_gip_sge_setenv
INFO: Executing function: config_gip_sge
INFO: Build InfoProvider based on LeSC implementation
WARNING: /etc/lrms/vqueues.conf exists and will be copied to /tmp/sge/etc/lrms/vqueues.conf!
WARNING: /etc/lrms/cluster.state exists and will be copied to /tmp/sge/etc/lrms/cluster.state!
WARNING: /etc/lrms/sge.conf exists and will be copied to /tmp/sge/etc/lrms/sge.conf!
WARNING: /etc/lrms/scheduler.conf exists and will be copied to /tmp/sge/etc/lrms/scheduler.conf!
INFO: Executing function: config_ssh_sge_setenv
```



```
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
```

Ran 145 tests in 0.013s

OK

```
# ./build/scripts-2.6/glue-validator -g glue2 -H test27.egi.cesga.es -p 2170 -b o=glue
```

```
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... FAIL
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
```



```

Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
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Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok

```

```

=====
FAIL: Validating data types.
-----

```

```

Traceback (most recent call last):

```

```

  File "/home/enol/trunk/build/lib/validator/EntryTest.py", line 91, in test_data_types

```

```

    self.assertTrue(status, message)

```

```

AssertionError: WARNING START:

```

```

W037 Description: Wrong type

```

```

W037 Affected DN: GLUE2EndpointID=test27.egi.cesga.es_ComputingElement_org.glite.ce.

```

```

ApplicationPublisher_1068561884,GLUE2ServiceID=test27.egi.cesga.es_ComputingElement,
GLUE2GroupID=resource,o=glue

```

```

W037 Affected attribute: GLUE2EndpointInterfaceName

```

```

W037 Published value: ['org.glite.ce.ApplicationPublisher']

```

```

W037 Additional information: Expected type is InterfaceName_t

```

```

WARNING END

```

Ran 185 tests in 0.015s

FAILED (failures=1)

Middleware version

```
# ldapsearch -x -h test27.egi.cesga.es -p 2170 -b GLUE2GroupID=resource,o=glue objec  
tclass=GLUE2Endpoint | grep -i Version  
GLUE2EndpointImplementationVersion: 1.15.2  
GLUE2EndpointInterfaceVersion: 2.1  
GLUE2EntityOtherInfo: InfoProviderVersion=1.1  
GLUE2EntityOtherInfo: MiddlewareVersion=3.2.1-1  
GLUE2EntityOtherInfo: InfoProviderVersion=1.4  
GLUE2EntityOtherInfo: ProfileVersion=1.0  
GLUE2EntityOtherInfo: OSVersion=6.4  
GLUE2EntityOtherInfo: MiddlewareVersion=3.2.1-1  
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software is not i  
GLUE2EndpointInterfaceVersion: 1.0.0
```

Number of jobs and sizes

```
# ldapsearch -x -h localhost -p 2170 -b o=grid | grep -i JobSlots  
GlueCEPolicyAssignedJobSlots: 0  
GlueCEStateFreeJobSlots: 0  
GlueCEStateFreeJobSlots: 1  
GlueCEPolicyAssignedJobSlots: 99  
GlueCEStateFreeJobSlots: 1  
GlueCEStateFreeJobSlots: 0  
GlueCEPolicyAssignedJobSlots: 0  
GlueCEStateFreeJobSlots: 0  
GlueCEPolicyAssignedJobSlots: 0  
GlueCEStateFreeJobSlots: 1  
GlueCEStateFreeJobSlots: 1  
GlueCEStateFreeJobSlots: 1
```

----- User tests

Job execution/cancel

Get CE id from ldap

-> test27.egi.cesga.es:8443/cream-sge-GRID_dteam

Check user proxy and renew/delegate at CE

Proxy with delegation id [enolID succesfully renewed to endpoint [test27.egi.cesga.e
s]

Show CE info

```
Interface Version = [2.1]  
Service Version = [1.15 - EMI version: 3.2.1-1]  
Description = [CREAM 2]  
Started at = [Fri Jun 14 10:43:31 2013]  
Submission enabled = [YES]  
Status = [RUNNING]
```

Submit simple job

Job to be submitted:

```
[  
Executable = "/bin/sleep";  
Arguments = "60";  
]
```

https://test27.egi.cesga.es:8443/CREAM396605999

```
***** JobID=[https://test27.egi.cesga.es:8443/CREAM396605999]  
Status = [PENDING]
```

OK!

Submit job with I/O

100+0 records in

100+0 records out

51200 bytes (51 kB) copied, 0.000277545 s, 184 MB/s

Job to be submitted:

```
[  
Executable = "script.sh";  
Arguments = "myfile 51200";
```

```
InputSandbox = {"myfile", "script.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput = "std.out";
StdError = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
]
https://test27.egi.cesga.es:8443/CREAM023796629

***** JobID=[https://test27.egi.cesga.es:8443/CREAM023796629]
        Status      = [PENDING]

### OK!
220 test27.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5
.2.2] ready.
230 User dteam027 logged in.
std.out: 44 bytes in 0.016294 Seconds (2.637 KB/s)
std.err: 16 bytes in 0.012770 Seconds (1.224 KB/s)
### Job output
Size of myfile is 51200 and should be 51200
### Job error
Test to stderr!

### Cancel job
### Job to be submitted:
[
Executable = "/bin/sleep";
Arguments   = "10m";
]
https://test27.egi.cesga.es:8443/CREAM900963137

***** JobID=[https://test27.egi.cesga.es:8443/CREAM900963137]
        Status      = [PENDING]

***** JobID=[https://test27.egi.cesga.es:8443/CREAM900963137]
        Status      = [CANCELLED]
        ExitCode    = []
        Description  = [Cancelled by user]

### OK!

## Parallel job
### Check user proxy and renew/delegate at CE
Proxy with delegation id [my_verification_id] succesfully renewed to endpoint [test27
.egi.cesga.es]
### Show CE info
Interface Version = [2.1]
Service Version   = [1.15 - EMI version: 3.2.1-1]
Description       = [CREAM 2]
Started at       = [Fri Jun 14 10:43:31 2013]
Submission enabled = [YES]
Status           = [RUNNING]

### Get CE id from ldap
### -> test27.egi.cesga.es:8443/cream-sge-GRID_dteam

### Submit parallel job 2 CPUs
### Job to be submitted:
[
Executable = "/usr/bin/mpi-start";
CPUNumber  = 2;
Arguments  = "-t dummy -- counter.sh cpus 2";
InputSandbox = {"counter.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput  = "std.out";
StdError   = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
]
https://test27.egi.cesga.es:8443/CREAM975809708
```

***** JobID=[https://test27.egi.cesga.es:8443/CREAM975809708]
Status = [PENDING]

OK!

220 test27.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5
.2.2] ready.

230 User dteam027 logged in.

std.out: 59 bytes in 0.016121 Seconds (3.574 KB/s)

std.err: 0.012874 Seconds (0.000 B/s)

Job output

NP: 2

HOSTS: 1

SLOTS: 2

HOSTS-SLOTS:

test19.egi.cesga.es 2

Job error

----- Installation

yum install -d 1 -e 1 -y emi-cream-ce emi-ge-utils

```

=====
Package                Arch    Version           Repository         Size
=====
Installing:
emi-cream-ce           noarch 1.2.1-2.sl5      UMD-3-base         2.4 k
emi-ge-utils           noarch 2.0.2-2.1        EMI.cream-ge.sl5.x86_64
                                                                2.2 k
=====

```

Installing for dependencies:
[...]

Transaction Summary

```

=====
Install      145 Package(s)
Upgrade      0 Package(s)
=====

```

Total download size: 109 M
warning: rpmts_HdrFromFdno: Header V3 DSA signature: NOKEY, key ID df9e12ef
Importing GPG key 0xDF9E12EF "Doina Cristina Aiftimiei (EMI Release Manager) <aiftim@pd.infn.it>" from http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
warning: rpmts_HdrFromFdno: Header V4 DSA signature: NOKEY, key ID b4d025b3
Importing GPG key 0xB4D025B3 "Initiative for Globus in Europe - short (IGE) <info@ige-project.eu>" from http://repo-rpm.ige-project.eu/RPM-GPG-KEY-IGE
Importing GPG key 0x96B71B07 "Kostas Koumantaros (UMD Release Manager) <kkoum@grnet.gr>" from http://repository.egi.eu/sw/production/umd/UMD-RPM-PGP-KEY
Stopping tomcat5: Starting tomcat5: [60G[OK]
Stopping tomcat5: [60G[OK]
Starting tomcat5: [60G[OK]
Stopping tomcat5: [60G[OK]
Starting tomcat5: [60G[OK]
useradd: user ldap exists
Adding user ldap to group ldap
Generating self-signed certificate...
To generate a self-signed certificate, you can use the utility
/usr/share/openldap2.4/gencert.sh...

Installed:
emi-cream-ce.noarch 0:1.2.1-2.sl5 emi-ge-utils.noarch 0:2.0.2-2.1

Dependency Installed:
[...]

----- Configuration

/opt/glite/yaim/bin/yaim -s /opt/glite/yaim/etc/site-info.def -c -n creamCE -n SGE_utils

```

INFO: Configuring HOST: test27.egi.cesga.es
INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def
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: /opt/glite/yaim/etc
site-info.def date: Jun 17 10:30 /opt/glite/yaim/etc/site-info.def
yaim command: -s /opt/glite/yaim/etc/site-info.def -c -n creamCE -n SGE_uti

```

ls

```

log file: /opt/glite/yaim/bin/./log/yaimlog
Mon Jun 17 10:30:53 CEST 2013 : /opt/glite/yaim/bin/yaim

```

```

Installed YAIM versions:
glite-yaim-bdii 4.3.13-1
glite-yaim-core 5.1.2-1
glite-yaim-cream-ce 4.4.2-1

```


glite-yaim-ge-utils 4.4.0

#####

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
INFO: Executing function: config_cream_detect_tomcat_check
INFO: Executing function: config_cream_stop_check
INFO: Executing function: config_cream_db_check
INFO: Executing function: config_cream_emies_scratch_reinstall_check
INFO: Executing function: config_cream_emies_db_check
INFO: Executing function: config_add_pool_env_check
INFO: Executing function: config_host_certs_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_users_check
INFO: Executing function: config_edgusers_check
INFO: Executing function: config_cream_glexec_user_check
INFO: Executing function: config_cream_clean_sudoers_check
INFO: Executing function: config_cream_sudoers_check
INFO: Executing function: config_vomsmap_check
INFO: Executing function: config_cream_remove_subcluster_ce_check
INFO: Executing function: config_lcas_lcmapi_gt4_check
INFO: Executing function: config_globus_gridftp_check
INFO: Executing function: config_cream_glexec_check
INFO: Executing function: config_cream_blah_check
INFO: Executing function: config_cream_ce_check
INFO: Executing function: config_cream_emies_check
INFO: Executing function: config_cream_cemon_check
INFO: Executing function: config_cream_start_check
INFO: Executing function: config_cream_logrotation_check
INFO: Executing function: config_bdii_5.2_check
INFO: Executing function: config_cream_gip_info_dynamic_check
INFO: Executing function: config_cream_gip_check
INFO: Executing function: config_cream_gip_glue2_check
INFO: Executing function: config_cream_gip_scheduler_plugin_check
INFO: Executing function: config_cream_gip_software_plugin_check
INFO: Executing function: config_cream_vo_tag_dir_check
INFO: Executing function: config_info_service_cream_ce_check
INFO: Executing function: config_info_service_cemon_check
INFO: Executing function: config_cream_info_service_rtepublish_check
INFO: Executing function: config_cream_gliteservices_check
INFO: Executing function: config_cream_locallogger_check
INFO: Executing function: config_glite_locallogger_check
INFO: Executing function: config_secure_tomcat_check

INFO: Detecting TOMCAT
INFO: Executing function: config_sgeenv_check
INFO: Executing function: config_sgesub_check
INFO: Executing function: config_sgegg_check
INFO: Executing function: config_gip_sge_check
INFO: Executing function: config_ssh_sge_check
INFO: Executing function: config_cream_detect_tomcat_setenv
INFO: Executing function: config_cream_detect_tomcat
INFO: Detecting TOMCAT
INFO: Executing function: config_cream_stop_setenv
INFO: Executing function: config_cream_stop

INFO: Stopping tomcat
Stopping tomcat5: ?[60G[OK]?

INFO: blah not running
INFO: lb processes not running
INFO: Executing function: config_cream_db_setenv
INFO: Executing function: config_cream_db

Initializing MySQL database: Installing MySQL system tables...
OK
Filling help tables...
OK

To start mysqld at boot time you have to copy
support-files/mysql.server to the right place for your system

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !
To do so, start the server, then issue the following commands:
/usr/bin/mysqladmin -u root password 'new-password'

```
/usr/bin/mysqladmin -u root -h test27.egi.cesga.es password 'new-password'
```

Alternatively you can run:

```
/usr/bin/mysql_secure_installation
```

which will also give you the option of removing the test databases and anonymous user created by default. This is strongly recommended for production servers.

See the manual for more instructions.

You can start the MySQL daemon with:

```
cd /usr ; /usr/bin/mysqld_safe &
```

You can test the MySQL daemon with mysql-test-run.pl

```
cd mysql-test ; perl mysql-test-run.pl
```

Please report any problems with the /usr/bin/mysqlbug script!

The latest information about MySQL is available on the web at

<http://www.mysql.com>

Support MySQL by buying support/licenses at <http://shop.mysql.com>

```
z[60G[z[0;32m OK z[0;39m]z
```

```
Starting mysqld: z[60G[z[0;32m OK z[0;39m]z
```

creamdb version requested by the service is 2.6

Impossible to retrieve the version of creamdb database. database will be created from scratch.

Creating/Updating creamdb database ...

creamdb database created!

Removing sandbox directory ...

INFO: creamdb.db_info table updated.

delegationcreamdb version requested by the service is 2.6

Impossible to retrieve the version of delegationcreamdb database. database will be created from scratch.

Creating/Updating delegationcreamdb database ...

delegationcreamdb database created!

INFO: Executing function: config_cream_emies_scratch_reinstall_setenv

INFO: Executing function: config_cream_emies_scratch_reinstall

INFO: Executing function: config_cream_emies_db_setenv

INFO: Executing function: config_cream_emies_db

INFO: Executing function: config_add_pool_env_setenv

INFO: Executing function: config_add_pool_env

INFO: Executing function: config_ldconf

INFO: config_ldconf: function not needed anymore, left empty waiting to be removed

INFO: Executing function: config_sysconfig_edg

INFO: Executing function: config_host_certs

INFO: Executing function: config_crl

INFO: Now updating the CRLs - this may take a few minutes...

Enabling periodic fetch-crl: [OK]z

INFO: Executing function: config_vomsdir_setenv

INFO: Executing function: config_vomsdir

INFO: Executing function: config_vomses

INFO: Executing function: config_users

INFO: Executing function: config_edgusers

INFO: Executing function: config_cream_glexec_user_setenv

INFO: Executing function: config_cream_glexec_user

INFO: CONFIG_USERS is set to yes

INFO: Executing function: config_cream_clean_sudoers_setenv

INFO: Executing function: config_cream_clean_sudoers

INFO: /etc/sudoers file already clean. Probably installation from scratch

INFO: Executing function: config_cream_sudoers_setenv

INFO: Executing function: config_cream_sudoers

INFO: Executing function: config_vomsmap_setenv

INFO: Executing function: config_vomsmap

INFO: Creating grid-map directory in /etc/grid-security/gridmapdir

INFO: Creating voms grid-map file in /etc/grid-security/voms-grid-mapfile

INFO: Creating voms groupmap file in /etc/grid-security/groupmapfile

INFO: Copying the /etc/grid-security/voms-grid-mapfile in the standard location /etc/grid-security/grid-mapfile

INFO: Executing function: config_cream_remove_subcluster_ce_setenv

INFO: Executing function: config_cream_remove_subcluster_ce

INFO: Executing function: config_lcas_lcmaps_gt4_setenv

INFO: Executing function: config_lcas_lcmaps_gt4

```
INFO: Creating LCAS_DB_FILE in /etc/lcas/lcas.db
INFO: Creating LCMAPS_DB_FILE in /etc/lcmaps/lcmaps.db
INFO: Executing function: config_globus_gridftp_setenv
INFO: Executing function: config_globus_gridftp
INFO: Starting gridftp service :
Stopping globus-gridftp-server: [FAILED]¿
Starting globus-gridftp-server: [ OK ]¿
INFO: Executing function: config_cream_glexec_setenv
INFO: Executing function: config_cream_glexec
INFO: Executing function: config_cream_blah_setenv
INFO: Executing function: config_cream_blah
INFO: BATCH SYSTEM = sge. Does not execute config_cream_blah!
INFO: Executing function: config_cream_ce_setenv
INFO: Executing function: config_cream_ce
WARNING: File /etc/glite-ce-cream/cream-config.xml not present. No need to backup
it
INFO: Executing function: config_cream_emies_setenv
INFO: Executing function: config_cream_emies
INFO: Executing function: config_cream_cemon_setenv
INFO: Executing function: config_cream_cemon
INFO: Executing function: config_cream_start_setenv
INFO: Executing function: config_cream_start
INFO: Starting blparser
/etc/init.d/glite-ce-blah-parser: Cannot read BLAH config file ($BLAHPD_CONFIG_LOCATI
ION, or /etc/blah.config, or /opt/glite/etc/blah.config)
INFO: Starting blah
/etc/init.d/glite-ce-blah-parser: Cannot read BLAH config file ($BLAHPD_CONFIG_LOCATI
ON, or /etc/blah.config, or /opt/glite/etc/blah.config)
INFO: Starting tomcat
Starting tomcat5: ¿[60G[ OK ]¿
INFO: Executing function: config_cream_logrotation_setenv
INFO: Executing function: config_cream_logrotation
INFO: Executing function: config_bdii_5.2
Stopping BDII: BDII already stopped
Starting BDII slapd: [ OK ]¿
Starting BDII update process: [ OK ]¿
INFO: Executing function: config_cream_gip_info_dynamic_setenv
INFO: Executing function: config_cream_gip_info_dynamic
INFO: Executing function: config_cream_gip_setenv
INFO: Executing function: config_cream_gip
WARNING: Queue GRID_ops was enabled for one or more FQANs which specify an entire
VO
WARNING: Queue GRID_dteam was enabled for one or more FQANs which specify an enti
re VO
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an en
tire VO
WARNING: Queue GRID_opsibeu was enabled for one or more FQANs which specify an en
tire VO
WARNING: Queue GRID_iberibeu was enabled for one or more FQANs which specify an e
ntire VO
WARNING: Queue GRID_iberibeu was enabled for one or more FQANs which specify an e
ntire VO
INFO: Executing function: config_cream_gip_glue2_setenv
INFO: Executing function: config_cream_gip_glue2
WARNING: File /etc/glite-ce-glue2/glite-ce-glue2.conf not present. No need to bac
kup it
INFO: Executing function: config_cream_gip_scheduler_plugin_setenv
INFO: Executing function: config_cream_gip_scheduler_plugin
INFO: Executing function: config_cream_gip_software_plugin_setenv
INFO: Executing function: config_cream_gip_software_plugin
INFO: Executing function: config_cream_vo_tag_dir
INFO: Executing function: config_info_service_cream_ce_setenv
INFO: Executing function: config_info_service_cream_ce
INFO: Executing function: config_info_service_cemon_setenv
INFO: Executing function: config_info_service_cemon
INFO: Executing function: config_cream_info_service_rtepublish_setenv
INFO: Executing function: config_cream_info_service_rtepublish
INFO: Executing function: config_cream_gliteservices_setenv
INFO: Executing function: config_cream_gliteservices
INFO: Executing function: config_cream_locallogger_setenv
INFO: Executing function: config_cream_locallogger
INFO: Executing function: config_glite_locallogger_setenv
INFO: Executing function: config_glite_locallogger
```

```

INFO: Applying the workaround for bug 22389...
Stopping glite-lb-logd ... not running
Stopping glite-lb-interlogd ... not running
Starting glite-lb-logd ...This is LocalLogger, part of Workload Management System in
EU DataGrid & EGEE.
done
Starting glite-lb-interlogd ... done
INFO: Executing function: config_secure_tomcat_setenv
INFO: Executing function: config_secure_tomcat
INFO: Stop tomcat in case it's running
Stopping tomcat5: ̂[60G[ OK ]̂
INFO: Copying hostcert to /etc/grid-security/tomcat-cert.pem for tomcat:root.....
.
INFO: Copying hostkey to /etc/grid-security/tomcat-key.pem for tomcat:root...
INFO: Configuring /etc/tomcat5/server.xml...
INFO: Copying trustmanager log4j properties to tomcat configuration directory..
INFO: Linking log4j and bouncycastle jars to tomcat server lib directory..
INFO: Linking trustmanager jars to tomcat server lib directory...
INFO: Linking jakarta-commons-logging to tomcat server lib directory...
INFO: Defining JAVA_HOME in the Tomcat configuration file
INFO: Starting Tomcat
Starting tomcat5: ̂[60G[ OK ]̂
INFO: Executing function: config_cream_glite_initd
INFO: Executing function: config_sgeenv_setenv
INFO: Executing function: config_sgeenv
INFO: Build the scripts which set the proper SGE environment
WARNING: /opt/sge/default/common/cluster_name exists! New value (p536) will overw
rite old value (p6444)
INFO: Executing function: config_sgesub_setenv
INFO: Executing function: config_sgesub
INFO: Executing function: config_sgegg_setenv
INFO: Executing function: config_sgegg
INFO: Executing function: config_gip_sge_setenv
INFO: Executing function: config_gip_sge
INFO: Build InfoProvider based on LeSC implementation
WARNING: /etc/lrms/scheduler.conf exists and will be copied to /tmp/sge/etc/lrms/
scheduler.conf!
INFO: Executing function: config_ssh_sge_setenv
INFO: Executing function: config_ssh_sge
WARNING: /etc/ssh/shosts.equiv doesn't exist. Create it!
WARNING: /etc/ssh/ssh_known_hosts doesn't exist. Create it!
WARNING: /etc/edg-sge-knownhosts.conf exists. Your old file will be saved as /etc
/edg-sge-knownhosts.conf.OLD.1
̂[80G[ ̂[1;32mOK̂[0;39m ]̂ INFO: Configuration Complete.
INFO: YAIM terminated succesfully.

```

```
## ----- LDAP tests
```

```

# ldapsearch -x -h test27.egi.cesga.es -p 2170 -b GLUE2GroupID=resource,o=glue objec
tclass=GLUE2Endpoint | grep Version
GLUE2EntityOtherInfo: InfoProviderVersion=1.1
GLUE2EntityOtherInfo: MiddlewareVersion=3.3.0-1
GLUE2EndpointImplementationVersion: 1.15.2
GLUE2EndpointInterfaceVersion: 2.1
GLUE2EntityOtherInfo: InfoProviderVersion=1.4
GLUE2EntityOtherInfo: ProfileVersion=1.0
GLUE2EntityOtherInfo: OSVersion=5.9
GLUE2EntityOtherInfo: MiddlewareVersion=3.3.0-1
GLUE2EndpointImplementationVersion: package lcg-info-dynamic-software is not i
GLUE2EndpointInterfaceVersion: 1.0.0

# ldapsearch -x -h test27.egi.cesga.es -p 2170 -b o=grid | grep -i JobSlots
GlueCEPolicyAssignedJobSlots: 0
GlueCEStateFreeJobSlots: 0
GlueCEPolicyAssignedJobSlots: 90
GlueCEStateFreeJobSlots: 0
GlueCEPolicyAssignedJobSlots: 0
GlueCEStateFreeJobSlots: 0
GlueCEPolicyAssignedJobSlots: 0
GlueCEStateFreeJobSlots: 0
GlueCEStateFreeJobSlots: 0
GlueCEStateFreeJobSlots: 0
GlueCEStateFreeJobSlots: 0
GlueCEStateFreeJobSlots: 0

```

GlueCEStateFreeJobSlots: 0

GLUE1.3

./build/scripts-2.4/glue-validator -g glue1 -H test27.egi.cesga.es -p 2170 -b o=gr
id

Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok


```
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
```

Ran 145 tests in 0.042s

OK

```
# ./build/scripts-2.4/glue-validator -g glue2 -H test27.egi.cesga.es -p 2170 -b o=glue
```

```
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
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Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... FAIL
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
```



```

Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
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Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok
Verifying that attributes are not empty. ... ok
Verifying the existence of mandatory attributes. ... ok
Verifying the object class ... ok
Verifying single-valued attributes only have one value. ... ok
Validating data types. ... ok

```

```

=====
FAIL: Validating data types.
-----

```

```

Traceback (most recent call last):
  File "/nfs4/home/local/enol/scratch/trunk/build/lib/validator/EntryTest.py", line
  92, in test_data_types
    self.assertTrue(status, message)
AssertionError: WARNING START:
W037 Description: Wrong type
W037 Affected DN: GLUE2EndpointID=test27.egi.cesga.es_ComputingElement_org.glite.ce.
ApplicationPublisher_1068561884,GLUE2ServiceID=test27.egi.cesga.es_ComputingElement,
GLUE2GroupID=resource,o=glue
W037 Affected attribute: GLUE2EndpointInterfaceName
W037 Published value: ['org.glite.ce.ApplicationPublisher']
W037 Additional information: Expected type is InterfaceName_t
WARNING END

```

```

-----
Ran 185 tests in 0.052s

```

FAILED (failures=1)

----- User tests

Get CE id from ldap

-> test27.egi.cesga.es:8443/cream-sge-GRID_dteam

Check user proxy and renew/delegate at CE

2013-06-17 12:12:57,290 NOTICE - Proxy with delegation id [enolID] succesfully renewed to endpoint [https://test27.egi.cesga.es:8443//ce-cream/services/gridsite-delegation]

Show CE info

Interface Version = [2.1]
Service Version = [1.15 - EMI version: 3.3.0-1]
Description = [CREAM 2]
Started at = [Mon Jun 17 10:33:56 2013]
Submission enabled = [YES]
Status = [RUNNING]

Submit simple job

Job to be submitted:

[
Executable = "/bin/sleep";
Arguments = "60";
]

https://test27.egi.cesga.es:8443/CREAM910999021

***** JobID=[https://test27.egi.cesga.es:8443/CREAM910999021]
Status = [PENDING]

OK!

Submit job with I/O

125+0 records in
125+0 records out
64000 bytes (64 KB) copied, 0.000849 seconds, 75.4 MB/s

Job to be submitted:

[
Executable = "script.sh";
Arguments = "myfile 64000";
InputSandbox = {"myfile", "script.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput = "std.out";
StdError = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
]

https://test27.egi.cesga.es:8443/CREAM476768055

***** JobID=[https://test27.egi.cesga.es:8443/CREAM476768055]
Status = [PENDING]

OK!

220 test27.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5.2.2] ready.

230 User dteam026 logged in.

std.out: 44 bytes in 0.09 seconds. 0.47 KB/sec

std.err: 16 bytes in 0.09 seconds. 0.17 KB/sec

Job output

Size of myfile is 64000 and should be 64000

Job error

Test to stderr!

Cancel job

Job to be submitted:

[
Executable = "/bin/sleep";
Arguments = "10m";
]

https://test27.egi.cesga.es:8443/CREAM972422418

***** JobID=[https://test27.egi.cesga.es:8443/CREAM972422418]
Status = [PENDING]

***** JobID=[https://test27.egi.cesga.es:8443/CREAM972422418]
Status = [CANCELLED]

```
ExitCode      = []
Description   = [Cancelled by user]
### OK!

# Parallel job
### Submit parallel job 2 CPUs
### Job to be submitted:
[
Executable = "/usr/bin/mpi-start";
CPUNumber   = 2;
Arguments   = "-t dummy -- counter.sh cpus 2";
InputSandbox = {"counter.sh"};
OutputSandbox = {"std.out", "std.err"};
StdOutput   = "std.out";
StdError    = "std.err";
OutputSandboxBaseDestUri = "gsiftp://localhost";
]
https://test27.egi.cesga.es:8443/CREAM994814916

***** JobID=[https://test27.egi.cesga.es:8443/CREAM994814916]
Status      = [PENDING]
### OK!
220 test27.egi.cesga.es GridFTP Server 6.16 (gcc64, 1352462503-83) [Globus Toolkit 5
.2.2] ready.
230 User dteam026 logged in.
std.out: 59 bytes in 0.10 seconds. 0.57 KB/sec
std.err: 0.09 seconds.
### Job output
NP: 2
HOSTS: 1
SLOTS: 2
HOSTS-SLOTS:
test19.egi.cesga.es 2
```