

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

Name of the component			
Release	EMI.emi-cluster.sl5_sl6.x86_64-2.0.1	RT Ticket	#5794 #5795
Software Provider			
Release Contact	Name: Cristina Aiftimiei	E-Mail: cristina.aiftimiei@pd.infn.it	
Validator	Name: Esteban Freire García	E-Mail: esfreire@cesga.es	
V. Hours Worked	5		
Component status	Verified	Date	
Verification start date	27/08/13	Verification end date	28/08/13

Summary:

EMI.emi-cluster.sl5_sl6.x86_64-2.0.1 was updated from UMD-3 repository without any issue.

GGUS Tickets:

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	18			18
	Specific Quality Criteria			
TP				
VLD	18			18

Quality Criteria verification cheatsheet:

Criteria	Accepted	Tested	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Options		
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI3#1_3_3_Installation_of_a_CREAM_C
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI3
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	https://wiki.italiangrid.it/CREAM
GENERIC_DOC_5 (API Documentation)	Y	VLD	https://wiki.italiangrid.it/twiki/bin/view/CREAM/DevelopersDocumentation
GENERIC_DOC_6 (Administrator Documentation)	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/ServiceReferenceCardEMI3
GENERIC_DOC_8 (Software License)	Y	VLD	Emi-cream: Apache Software License 2.0 https://rt.egi.eu/rt/Ticket/Display.html?id=5794 https://rt.egi.eu/rt/Ticket/Display.html?id=5795
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://admin-repo.egi.eu/sw/unverified/um-d-3.emi.cream.sl6.x86_64/1/16/1/
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	
GENERIC_SOFT_2 (New features testing)	Y	VLD	
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and s	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Options		
GENERIC_SERVICE_4 (Service Robustness)	Options		
GENERIC_SERVICE_5 (Automatic Configurati	Options		
GENERIC_SERVICE_6 (Default Password Co	Y	VLD	
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_3 (Passwords in world readat	Y	VLD	
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	GGUS
AUTHENTICATION QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_DELEG_1 (Delegation Interface)	Y	VLD	
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban User/FQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_PEP_2 (User Mapping)	Y	VLD	
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	
JOBEXEC_JOB_2 (Simple Job with input/outp	Y	VLD	
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	
JOBEXEC_EXECMNGR_1 (Not Invasive Dep	Y	VLD	
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	
JOBEXEC_EXECMNGR_3 (Information Retri	Y	VLD	
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	
JOBEXEC_AVAIL_2 (Self Disabling Mechanis	Options		
JOBEXEC_AVAIL_4 (Timely Job Status Upda	Options		
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submi	Y	VLD	
PARALLEL_JOB_2 (Single machine parallel jd	Options		
PARALLEL_JOB_3 (Fine grained mapping par	Options		
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetim	Options		
MON_PROBE_GENERIC_2 (Service Probe)	Options		
MON_PROBE_JOBEXEC_1 (Job Execution P	Y	VLD	
MON_PROBE_JOBEXEC_2 (CREAM Job Ex	Y	VLD	
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances	Y	VLD	
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command lineOptions col	Options		
CLIENT_TOOLS_2 (Error Messages)	Options		

Validator comments:

== EMI.emi-cluster.sl5_sl6.x86_64-2.0.1 ==

=== Tickets assigned ===

* [<https://rt.egi.eu/rt/Ticket/Display.html?id=5794>]

* [<https://rt.egi.eu/rt/Ticket/Display.html?id=5794>]

=== Repositories ===

(!) Verifier must install a new repo for each product, this information is available at RT ticket field:

{{{

```
[root@test06 yum.repos.d]# cat EMI.emi-cluster.sl6.x86_64.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(5795,1174,1101)
```

```
[EMI.emi-cluster.sl6.x86_64]
```

```
name=EMI.emi-cluster.sl6.x86_64
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-3.emi.emi-  
cluster.sl6.x86_64/2/0/1/
```

```
enabled=1
```

```
protect=1
```

```
priority=1
```

```
gpgcheck=1
```

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

}}}

=== Installation ===

==== Installing the egi_cluster software =====

* Install the egi cluster metapackage:

* yum install emi-cluster

{{{

=====
=====
=====
=====

Package Repository	Arch Size	Version
===== ===== ===== =====		

Installing:

emi-cluster	noarch	2.0 k	2.0.2-2.el6
EMI.emi-cluster.sl6.x86_64			

Installing for dependencies:

glite-yaim-cluster	noarch	17 k	2.1.1-3.el6
EMI.emi-cluster.sl6.x86_64			

Transaction Summary

```
=====
=====
=====
=====
```

```
}}}
```

```
==== Configuration =====
```

```
==== Configure the siteinfo.def file =====
```

* Set your siteinfo.def file, which is the input file used by yaim. Documentation about yaim variables relevant for CREAM CE is available at:

* [https://twiki.cern.ch/twiki/bin/view/LCG/Site-info_configuration_variables#CLUSTER]

* Site-info used

```
{{{
```

```
[root@test06 etc]# cat site-info.def
```

```
# YAIM example site configuration file - adapt it to your site!
```

```
#####
```

```
# CE configuration variables #
```

```
#####
```

```
CE_HOST=test06.egi.cesga.es
```

```
WMS_HOST=test22.egi.cesga.es
```

BDII_HOST=topbdii02.ncg.ingrid.pt

SITE_BDII_HOST=sbdii02.ncg.ingrid.pt

##SITE_BDII_HOST=test04.egi.cesga.es

##LFC_HOST=lx7607.cern.ch

PX_HOST=myproxy.egi.cesga.es

MON_HOST=test07.egi.cesga.es

YAIM_LOGGING_LEVEL=INFO

#####

CREAM CE node cluster mode

#####

###CREAMCE_CLUSTER_MODE=yes

Hostname where the cluster is configured

CLUSTER_HOST="test06.egi.cesga.es"

COMPUTING_SERVICE_ID="test06.egi.cesga.es_ComputingElement"

Space separated list of your cluster names

CLUSTERS="clustersa2"

Cluster UniqueID

CLUSTER_CLUSTERSA2_CLUSTER_UniqueID=my-sa2

CLUSTER_TEST06_EGI_CESGA_ES_CLUSTER_UniqueID=my-sa2

##QUEUE_xxx_CLUSTER_UniqueID

Cluster human readable name

CLUSTER_CLUSTERSA2_CLUSTER_Name="This is the SA2 cluster for UMD verification"

CLUSTER_TEST06_EGI_CESGA_ES_CLUSTER_Name="This is the SA2 cluster for UMD verification"

Site name where the cluster belongs to

It should be consistent with your variable SITE_NAME

NOTE: This may be changed to SITE_UniqueID when the GlueSite

is configured with the new infosys variables

CLUSTER_CLUSTERSA2_SITE_UniqueID=cesga-egi

CLUSTER_TEST06_EGI_CESGA_ES_SITE_UniqueID=cesga-egi

space separated list of CE hostnames configured in the cluster

CLUSTER_CLUSTERSA2_CE_HOSTS="test06.egi.cesga.es"

CLUSTER_TEST06_EGI_CESGA_ES_CE_HOSTS="test06.egi.cesga.es"

CLUSTER_YAIM_CE_TYPE="cream"

CLUSTER_CLUSTERSA2__INFO_PORT=2170

CLUSTER_CLUSTERSA2__INFO_TYPE=resource

Define the following variables for the CEs configured in your cluster

```
# NOTE: you don't need to uncomment these variables if you are configuring
# only one CE in the same host as your cluster.
# You can use the variables defined in services/lcg-ce instead
# CE type: 'jobmanager' for lcg CE and 'cream' for cream CE
CE_HOST_test06_egi_cesga_es_CE_TYPE="cream"

# Space separated list of the queue names configured in the CE
# This variable has been renamed in the new infosys configuration.
# The old variable name was: QUEUES
#CE_HOST_test06_egi_cesga_es_QUEUES="GRID_ops GRID_dteam GRID_opsibeu
GRID_iberibeu"

# The name of the job manager used by the gatekeeper
# This variable has been renamed in the new infosys configuration.
# The old variable name was: JOB_MANAGER
# Please, define: lcgpbs, lcglfs, lcgsge or lcgcondor
CE_HOST_test06_egi_cesga_es_CE_InfoJobManager="pbs"

CE_HOST_test06_egi_cesga_es_QUEUES="GRID_ops GRID_dteam GRID_opsibeu
GRID_iberibeu"

QUEUE_GRID_OPS_CLUSTER_UniqueID=my-sa2
QUEUE_GRID_DTEAM_CLUSTER_UniqueID=my-sa2
QUEUE_GRID_OPSIBEU_CLUSTER_UniqueID=my-sa2
QUEUE_GRID_IBERIBEU_CLUSTER_UniqueID=my-sa2
```


The Subcluster variables should contain the name of the subcluster variable in upper case

SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_UniqueID=cesga-egi-configuration

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ApplicationSoftwareRunTimeEnvironment="LCG-2|LCG-2_1_0|LCG-2_1_1|LCG-2_2_0" # CE_RUNTIMEENV

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ArchitectureSMPSize=2
CE_SMPSIZE

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ArchitecturePlatformType=x86_64
CE_OS_ARCH

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_BenchmarkSF00=1714
CE_SF00

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_BenchmarkSI00=2395
CE_SI00

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_MainMemoryRAMSize=513
CE_MINPHYSMEM

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_MainMemoryVirtualSize=524
CE_MINVIRTMEM

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_NetworkAdapterInboundIP=FALSE
CE_INBOUNDIP

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_NetworkAdapterOutboundIP=TRUE
CE_OUTBOUNDIP

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_OperatingSystemName="Scientific Linux"
CE_OS

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_OperatingSystemRelease=5.5
CE_OS_RELEASE

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_OperatingSystemVersion="ScientificSL"
CE_OS_VERSION

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ProcessorClockSpeed=2200
CE_CPU_SPEED

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ProcessorModel=Opteron
CE_CPU_MODEL

```
SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ProcessorVendor=amd
# CE_CPU_VENDOR

SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_ProcessorOtherDescription="Core
s=24,Benchmark=9.58-HEP-SPEC06"      # Processor description

SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_Name="my subcluster
SA2 verification"

SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_PhysicalCPUs=2
# CE_PHYSCPU

SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_LogicalCPUs=4
# CE_LOGCPU

SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_TmpDir=/tmp

SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_WNTmpDir=/tmp

##New variables 270813 esfreire

CE_HOST_test06_egi_cesga_es_QUEUE_GRID_OPS_CE_AccessControlBaseRule="
ops /VO=ops/GROUP=/ops/ROLE=lcgadmin"

CE_HOST_test06_egi_cesga_es_QUEUE_GRID_DTEAM_CE_AccessControlBaseRu
le="dteam /VO=dteam/GROUP=/dteam/ROLE=lcgadmin"

CE_HOST_test06_egi_cesga_es_QUEUE_GRID_OPSIBEU_CE_AccessControlBaseR
ule="ops.vo.ibergrid.eu
/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=VO-Admin
/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=Production"

CE_HOST_test06_egi_cesga_es_QUEUE_GRID_IBERIBEU_CE_AccessControlBase
Rule="iber.vo.ibergrid.eu
/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=VO-Admin
/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=Production"

CE_HOST_test06_egi_cesga_es_QUEUE_GRID_CESGA_CE_AccessControlBaseRul
e="cesga /VO=cesga/GROUP=/cesga/ROLE=VO-Admin imath.cesga.es
/VO=imath.cesga.es/GROUP=/imath.cesga.es/ROLE=VO-Admin"

#####
```

Site configuration variables

#####

SITE_EMAIL=egee-admin@cesga.es

SITE_NAME=UMD-VERIFICATION

SITE_LOC="Santiago de Compostela, Spain"

SITE_LAT=42.875558 #42.8757 # -90 to 90 degrees

SITE_LONG=-8.553147 #-8.5536 # -180 to 180 degrees

#####

Batch server configuration variables

#####

Jobmanager specific settings

JOB_MANAGER=lcpbs

BATCH_SERVER=test06.egi.cesga.es

CE_BATCH_SYS=torque

BATCH_LOG_DIR=/var/lib/torque

BATCH_VERSION=torque-2.5.7-9

#####

APEL configuration variables

```
#####
```

```
# Database password for the APEL DB.
```

```
APEL_MYSQL_HOST=test07.egi.cesga.es
```

```
APEL_DB_PASSWORD=""
```

```
#####
```

```
# ARGUS authorisation framework control #
```

```
#####
```

```
# Set USE_ARGUS to yes to enable the configuration of ARGUS
```

```
USE_ARGUS=yes
```

```
#USE_ARGUS=no
```

```
# In case ARGUS is to be used the following should be set
```

```
# The ARGUS service PEPD endpoints as a space separated list:
```

```
ARGUS_PEPD_ENDPOINTS="https://test30.egi.cesga.es:8154/authz"
```

```
CREAM_PEPD_RESOURCEID="http://test30.egi.cesga.es/policy"
```

These variables tell YAIM where to find additional configuration files.

WN_LIST=/opt/glite/yaim/etc/wn-list.conf

USERS_CONF=/opt/glite/yaim/etc/users.conf

GROUPS_CONF=/opt/glite/yaim/etc/groups.conf

FUNCTIONS_DIR=/opt/glite/yaim/functions

#

SE_dpm-specific settings - Ignore if you are not running a DPM

#

Set these if you are installing a DPM yourself

and/or if you need a default DPM for the lcg-stdout-mon

#

DPMDATA is now deprecated. Use an entry like \$DPM_HOST:/filesystem in

the DPM_FILESYSTEMS variable.

From now on we use DPM_DB_USER and DPM_DB_PASSWORD to make clear

its different role from that of the dpmmgr unix user who owns the

directories and runs the daemons.

The name of the DPM head node

DPM_HOST=test08.egi.cesga.es

DPMPOOL=egi-pool

DPM_FILESYSTEMS="\$DPM_HOST:/storage"

The base user

DPM_DB_USER=dpmmgr

DPM_DB_HOST=\$DPM_HOST

DPM_DB_PASSWORD=

Specifies the default amount of space reserved for a file

#DPMFSIZE=200M

DPM_INFO_USER=dpm_info

DPM_INFO_PASS=dpminfo1

Variable for the port range - Optional, default value is shown

RFIO_PORT_RANGE="20000 25000"

This largely replaces CE_CLOSE_SE but it is a list of hostnames

SE_MOUNT_INFO_LIST="none"

SE_LIST="\$DPM_HOST"

SE_ARCH="multidisk" # "disk, tape, multidisk, other"

```
#####
```

```
# SubCluster configuration #
```

```
#####
```

```
# Architecture and environment specific settings
```

```
CE_CPU_MODEL=Opteron
```

```
CE_CPU_VENDOR=amd
```

```
CE_CPU_SPEED=2200
```

```
CE_OS="ScientificSL" # Forma correcta
```

```
CE_OS_RELEASE=5.5
```

```
CE_OS_VERSION="Boron"
```

```
#New variables
```

```
CE_PHYSCPU=2
```

```
CE_LOGCPU=2
```

```
CE_OS_ARCH=x86_64
```

```
CE_CAPABILITY="CPUScalingReferenceSI00=2395"
```

```
CE_OTHERDESCR="Cores=24,Benchmark=9.58-HEP-SPEC06"
```

```
SE_MOUNT_INFO_LIST="none"
```

```
CE_SI00=2395
```

```
CE_MINPHYSMEM=524
```

```
CE_MINVIRTMEM=512
```

CE_SMPSIZE=2

CE_SF00=1714

CE_OUTBOUNDIP=TRUE

CE_INBOUNDIP=FALSE

CE_RUNTIMEENV=""

LCG-2

LCG-2_1_0

LCG-2_1_1

LCG-2_2_0

LCG-2_3_0

LCG-2_3_1

LCG-2_4_0

LCG-2_5_0

LCG-2_6_0

LCG-2_7_0

GLITE-3_0_0

GLITE-3_0_2

GLITE-3_1_0

R-GMA

"

###CREAM CE Variables

CEMON_HOST=test06.egi.cesga.es

CREAM_DB_USER=umdtest

CREAM_DB_PASSWORD=""


```
MYSQL_PASSWORD=""

BLPARSER_HOST=test06.egi.cesga.es

# MPI CONFIGURATION

#####

MPI_OPENMPI_ENABLE="yes"

MPI_OPENMPI_VERSION="1.4-4"

##If you do NOT provide a shared home, set $MPI_SHARED_HOME to "no" (default).

MPI_SHARED_HOME="no"

## If you do NOT have SSH Hostbased Authentication between your WNs, set the
below variable to "no" (default). Else, set it to "yes".

MPI_SSH_HOST_BASED_AUTH="yes"

### If you use Torque as batch system, you may want to let the yaim plugin configure a
submit filter for you. Uncomment the following line to do so

MPI_SUBMIT_FILTER="yes"

# KNOWN ISSUE IN SL6!!!

TORQUE_VAR_DIR=/var/lib/torque

# VOS="atlas alice lhcb cms dteam biomed"

# Space separated list of supported VOs by your site

VOS="ops dteam ops.vo.ibergrid.eu iber.vo.ibergrid.eu cesga"

QUEUES="GRID_ops GRID_dteam GRID_opsibeu GRID_iberibeu GRID_cesga"

VO_SW_DIR=/opt/exp_soft

#New in Yaim 3.0.1
```

GRID_OPS_GROUP_ENABLE="ops /VO=ops/GROUP=/ops/ROLE=lcgadmin"

GRID_DTEAM_GROUP_ENABLE="dteam
/VO=dteam/GROUP=/dteam/ROLE=lcgadmin"

GRID_OPSIBEU_GROUP_ENABLE="ops.vo.ibergrid.eu
/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=VO-Admin
/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=Production"

GRID_IBERIBEU_GROUP_ENABLE="iber.vo.ibergrid.eu
/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=VO-Admin
/VO=iber.vo.ibergrid.eu/GROUP=/iber.vo.ibergrid.eu/ROLE=Production"

GRID_CESGA_GROUP_ENABLE="cesga /VO=cesga/GROUP=/cesga/ROLE=VO-Admin
imath.cesga.es /VO=imath.cesga.es/GROUP=/imath.cesga.es/ROLE=VO-Admin"

#:::

#cesga

#:::

VO_CESGA_SW_DIR=\$VO_SW_DIR/cesga

VO_CESGA_DEFAULT_SE=\$DPM_HOST

VO_CESGA_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/cesga

VO_CESGA_QUEUES="GRIDEGI_large"

VO_CESGA_USERS=vomss://voms.egi.cesga.es:8443/voms/cesga?/cesga

VO_CESGA_VOMS_SERVERS=""vomss://voms.egi.cesga.es:8443/voms/cesga?/cesga
""

VO_CESGA_VOMSES=""cesga voms.egi.cesga.es 15110
/DC=es/DC=irisgrid/O=cesga/CN=host/voms.egi.cesga.es cesga""

VO_CESGA_VOMS_CA_DN=""/DC=es/DC=irisgrid/CN=IRISGridCA""

#:.....

#dteam

#:.....

VO_DTEAM_SW_DIR=\$VO_SW_DIR/dteam

VO_DTEAM_DEFAULT_SE=\$DPM_HOST

VO_DTEAM_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/dteam

VO_DTEAM_QUEUES="GRID_small"

#New conf (https://wiki.egi.eu/wiki/Dteam_vo)

VO_DTEAM_VOMS_SERVERS='vomss://voms.hellasgrid.gr:8443/voms/dteam?/dteam/'

VO_DTEAM_VOMSES=""dteam lcg-voms.cern.ch 15004
/DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch dteam 24' 'dteam voms.cern.ch
15004 /DC=ch/DC=cern/OU=computers/CN=voms.cern.ch dteam 24' 'dteam
voms.hellasgrid.gr 15004
/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr dteam 24' 'dteam
voms2.hellasgrid.gr 15004
/C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr dteam 24"

VO_DTEAM_VOMS_CA_DN=""/DC=ch/DC=cern/CN=CERN Trusted Certification
Authority' '/DC=ch/DC=cern/CN=CERN Trusted Certification Authority'
'/C=GR/O=HellasGrid/OU=Certification Authorities/CN=HellasGrid CA 2006'
'/C=GR/O=HellasGrid/OU=Certification Authorities/CN=HellasGrid CA 2006"

#:.....

#ops

#:.....

VO_OPS_SW_DIR=\$VO_SW_DIR/ops

VO_OPS_DEFAULT_SE=\$DPM_HOST

VO_OPS_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/ops

VO_OPS_QUEUES="GRID_ops"

VO_OPS_VOMS_SERVERS=""vomss://voms.cern.ch:8443/voms/ops?/ops/""

VO_OPS_VOMSES=""ops voms.cern.ch 15009
/DC=ch/DC=cern/OU=computers/CN=voms.cern.ch ops' 'ops lcg-voms.cern.ch
15009 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch ops""

VO_OPS_VOMS_CA_DN=""/DC=ch/DC=cern/CN=CERN Trusted Certification
Authority' '/DC=ch/DC=cern/CN=CERN Trusted Certification Authority""

IBERGRID VOS

ops.vo.ibergrid.eu

VO_OPS_VO_IBERGRID_EU_SW_DIR=\$VO_SW_DIR/opsibeu

VO_OPS_VO_IBERGRID_EU_DEFAULT_SE=\$DPM_HOST

VO_OPS_VO_IBERGRID_EU_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/opsibeu

VO_OPS_VO_IBERGRID_EU_QUEUES="GRID_opsibeu"

VO_OPS_VO_IBERGRID_EU_VOMS_SERVERS=""vomss://test10.egi.cesga.es:8443
/voms/ops.vo.ibergrid.eu""

VO_OPS_VO_IBERGRID_EU_VOMSES=""ops.vo.ibergrid.eu test10.egi.cesga.es
15000 /DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es ops.vo.ibergrid.eu""

VO_OPS_VO_IBERGRID_EU_VOMS_CA_DN=""/DC=es/DC=irisgrid/CN=IRISGrid
CA""

iber.vo.ibergrid.eu

VO_IBER_VO_IBERGRID_EU_SW_DIR=\$VO_SW_DIR/iberibeu

VO_IBER_VO_IBERGRID_EU_DEFAULT_SE=\$DPM_HOST

VO_IBER_VO_IBERGRID_EU_STORAGE_DIR=\$CLASSIC_STORAGE_DIR/iberibeu

VO_IBER_VO_IBERGRID_EU_QUEUES="GRID_iberibeu"

```
VO_IBER_VO_IBERGRID_EU_VOMS_SERVERS=""vomss://voms02.ncg.ingrid.pt:8443/voms/iber.vo.ibergrid.eu?/iber.vo.ibergrid.eu"
```

```
VO_IBER_VO_IBERGRID_EU_VOMSES=""iber.vo.ibergrid.eu voms02.ncg.ingrid.pt40003 /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=voms02.ncg.ingrid.ptiber.vo.ibergrid.eu"
```

```
VO_IBER_VO_IBERGRID_EU_VOMS_CA_DN=""/C=PT/O=LIPCA/CN=LIPCertification Authority"
```

```
[root@test06 etc]#
```

```
}}}
```

```
* YAIM configuration
```

```
{{{
```

```
[root@test06 etc]# /opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -nMPI_CE -n creamCE -n TORQUE_server -n TORQUE_utils -n glite-CLUSTER
```

```
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: test06.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: Aug 27 14:08 /opt/glite/yaim/etc/site-info.def

yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n MPI_CE -n creamCE -n TORQUE_server -n TORQUE_utils -n glite-CLUSTER

log file: /opt/glite/yaim/bin/./log/yaimlog

Tue Aug 27 14:08:56 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:

glite-ce-yaim-cream-ce 4.4.3-2

glite-yaim-bdii 4.3.13-1

glite-yaim-cluster 2.1.1-3

glite-yaim-core 5.1.2-1

glite-yaim-mpi 1.1.12-1

glite-yaim-torque-server 5.1.0 -1

glite-yaim-torque-utils 5.1.2-2

#####

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

INFO: Executing function: config_mpi_ce_check

INFO: Executing function: config_cream_detect_tomcat_check

INFO: Executing function: config_cream_stop_check

INFO: Executing function: config_canl_java_tomcat_check

INFO: Detecting TOMCAT

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_vomsmmap_check

INFO: Executing function: config_cream_remove_subcluster_ce_check

INFO: Executing function: config_lcas_lcmmaps_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_torque_server_check

INFO: Executing function: config_mau_i_cfg_check

INFO: Executing function: config_gip_sched_plugin_pbs_check

INFO: Executing function: config_torque_submitter_ssh_check

INFO: Executing function: config_cluster_check

INFO: Executing function: config_subcluster_check

INFO: Executing function: config_cluster_gip_glue2_check

INFO: Executing function: config_cluster_gip_scheduler_plugin_check

INFO: Executing function: config_cluster_gip_lrms_dynamic_check

INFO: Executing function: config_vo_tag_dir_check

INFO: Executing function: config_cluster_gip_software_plugin_check

INFO: Executing function: config_cluster_info_service_rtepublish_check

INFO: Executing function: config_mpi_ce_setenv

INFO: Executing function: config_mpi_ce

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 BUdaterPBS: [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_canl_java_tomcat_setenv

INFO: Executing function: config_canl_java_tomcat

INFO: Stop tomcat in case it's running

tomcat6 is stopped [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...

ERROR: Bad update time interval 2h, default used

INFO: Configuring /etc/tomcat6/server.xml...

INFO: Linking /usr/share/java/bcprov-1.46.jar to tomcat server lib directory..

INFO: Linking /usr/share/java/canl.jar to tomcat server lib directory..

INFO: Linking /usr/share/java/canl-java-tomcat.jar to tomcat server lib directory..

INFO: Linking /usr/share/java/commons-io.jar to tomcat server lib directory..

INFO: Defining JAVA_HOME in the Tomcat configuration file

INFO: Starting Tomcat

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_vomsmmap_setenv

INFO: Executing function: config_vomsmmap

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_lcmmaps_gt4_setenv

INFO: Executing function: config_lcas_lcmmaps_gt4

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: 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_20130827_140946

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 BUpdaterPBS: [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 entire 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_20130827_141001

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_cream_glite_initd

INFO: Executing function: config_torque_server_setenv

INFO: Currently this function doesn't set any environment variables.

INFO: Executing function: config_torque_server

INFO: Re-starting the torque server

Shutting down TORQUE Server: [OK]

/var/lib/torque/server_priv/serverdb

Starting TORQUE Server: [OK]

Max open servers: 9

set server scheduling = True

set server acl_host_enable = False

set server managers = root@test06.egi.cesga.es

set server operators = root@test06.egi.cesga.es

set server default_queue = dteam

set server log_events = 511

set server mail_from = adm

set server mail_domain = never

set server query_other_jobs = True

set server scheduler_iteration = 600

set server default_node = lcgpro

set server node_pack = False

set server kill_delay = 10

set server authorized_users = *@test06.egi.cesga.es

Max open servers: 9

set queue GRID_ops queue_type = Execution

set queue GRID_ops resources_max.cput = 48:00:00

set queue GRID_ops resources_max.walltime = 72:00:00

set queue GRID_ops enabled = True

set queue GRID_ops started = True

set queue GRID_ops acl_group_enable = True

Max open servers: 9

set queue GRID_dteam queue_type = Execution

set queue GRID_dteam resources_max.cput = 48:00:00

set queue GRID_dteam resources_max.walltime = 72:00:00

set queue GRID_dteam enabled = True

set queue GRID_dteam started = True

set queue GRID_dteam acl_group_enable = True

Max open servers: 9

set queue GRID_opsibeu queue_type = Execution

set queue GRID_opsibeu resources_max.cput = 48:00:00

set queue GRID_opsibeu resources_max.walltime = 72:00:00

set queue GRID_opsibeu enabled = True

set queue GRID_opsibeu started = True

set queue GRID_opsibeu acl_group_enable = True

users_getvogroup: could not find group for
"/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=VO-Admin".

WARNING: config_torque_server: No unix group found for VO (or VOMS FQAN):
"/VO=ops.vo.ibergrid.eu/GROUP=/ops.vo.ibergrid.eu/ROLE=VO-Admin". Skipping.

Max open servers: 9

set queue GRID_iberibeu queue_type = Execution

set queue GRID_iberibeu resources_max.cput = 48:00:00

set queue GRID_iberibeu resources_max.walltime = 72:00:00

set queue GRID_iberibeu enabled = True

set queue GRID_iberibeu started = True

set queue GRID_iberibeu acl_group_enable = True

Shutting down TORQUE Server: [OK]

/var/lib/torque/server_priv/serverdb

Starting TORQUE Server: [OK]

INFO: Executing function: config_mai_cfg_setenv

INFO: Executing function: config_mai_cfg

INFO: configuring maui ...

MPI_CE creamCE TORQUE_server TORQUE_utils CLUSTER

Shutting down MAUI Scheduler: [OK]

Starting MAUI Scheduler: [OK]

INFO: Executing function: config_gip_sched_plugin_pbs_setenv

INFO: Executing function: config_gip_sched_plugin_pbs

INFO: Executing function: config_torque_submitter_ssh

Starting MUNGE: munged

Reloading sshd: [OK]

INFO: Executing function: config_cluster_setenv

INFO: Executing function: config_cluster

INFO: Executing function: config_subcluster_setenv

INFO: Executing function: config_subcluster

INFO: Executing function: config_cluster_gip_glue2_setenv

INFO: Executing function: config_cluster_gip_glue2

WARNING: File /etc/glite-ce-glue2/glite-cluster-glue2.conf not present. No need to backup it

INFO: Executing function: config_cluster_gip_scheduler_plugin_setenv

INFO: Executing function: config_cluster_gip_scheduler_plugin

INFO: Executing function: config_cluster_gip_lrms_dynamic_setenv

INFO: Executing function: config_cluster_gip_lrms_dynamic

INFO: Executing function: config_vo_tag_dir

INFO: Executing function: config_cluster_gip_software_plugin

INFO: Executing function: config_cluster_info_service_rtepublish_setenv

INFO: Executing function: config_cluster_info_service_rtepublish

INFO: Configuration Complete. [OK]

INFO: YAIM terminated succesfully.

}}}

==== checking main daemons ====

* Following the link,
https://twiki.cern.ch/twiki/bin/view/LCG/CLUSTER#glite_CLUSTER_check, to check the Information System

* You can check whether glite-CLUSTER is properly configured by querying the information system. If you query the resource BDII of the glite-CLUSTER node. This is basically the same as you have with the existing configuration, but the details should obviously reflect what you configured in yaim.

(!) In particular, check that the references to GlueCEUniqueIDs in the GlueCluster object(s) correspond to the right queues. Also, check by querying the CE information that the GlueCE objects have the right reverse reference (GlueForeignKey) to the Cluster.

(!) Note the following scenarios when querying the resource BDII:

* if a box hosts only a glite-CLUSTER, its resource bdii should publish GlueCluster + GlueSubCluster (but not GlueCE).

* if a box hosts only a CE configured in cluster mode, its resource bdii should publish GlueCE (but not GlueCluster + GlueSubCluster).

(!) Note that if you query the site BDII, the results should be the same: some number of GlueCE objects, each linked to a single GlueCluster (many-to-one), and each GlueCluster linked to one GlueSubCluster (one-to-one).

{{{

```
[root@test06 etc]# ldapsearch -x -h localhost -p 2170 -b "mds-vo-  
name=resource,o=grid" | grep GlueCluster
```

GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
dn: GlueClusterUniqueID=my-sa2,Mds-Vo-name=resource,o=grid
objectClass: GlueClusterTop
objectClass: GlueCluster
GlueClusterUniqueID: my-sa2
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueClusterName: This is the SA2 cluster for UMD verification
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,
GlueChunkKey: GlueClusterUniqueID=my-sa2
objectClass: GlueClusterTop

```
[root@test06 etc]# ldapsearch -x -h localhost -p 2170 -b "mds-vo-  
name=resource,o=grid" | grep GlueSubCluste
```

dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,
GlueSubClusterName: my subcluster SA2 verification
GlueSubClusterPhysicalCPUs: 2
GlueSubClusterLogicalCPUs: 4
GlueSubClusterWNTmpDir: /tmp
GlueSubClusterTmpDir: /tmp

objectClass: GlueSubCluster

GlueSubClusterUniqueID: cesga-egi-configuration

GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES, test06.egi.cesga.es_org.glite.R

dn:

GlueServiceDataKey=GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES,GlueServiceU
ceU

GlueServiceDataKey: GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES

GlueSubClusterUniqueID:test06.egi.cesga.es, test06.egi.cesga.es_org.glite.R

dn: GlueServiceDataKey=GlueSubClusterUniqueID:test06.egi.cesga.es,GlueServiceU

GlueServiceDataKey: GlueSubClusterUniqueID:test06.egi.cesga.es

GlueSubClusterUniqueID:cesga-egi-configuration, test06.egi.cesga.es_org.gli

dn: GlueServiceDataKey=GlueSubClusterUniqueID:cesga-egi-configuration,GlueServ

GlueServiceDataKey: GlueSubClusterUniqueID:cesga-egi-configuration

}}}

{{{

```
[root@se2 ~]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid | grep  
GlueCluster
```

GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es

dn: GlueClusterUniqueID=my-sa2,Mds-Vo-name=resource,o=grid

objectClass: GlueClusterTop

objectClass: GlueCluster

GlueClusterUniqueID: my-sa2

GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam

GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueClusterService: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueClusterName: This is the SA2 cluster for UMD verification
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,
GlueChunkKey: GlueClusterUniqueID=my-sa2
objectClass: GlueClusterTop

```
[root@se2 ~]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid | grep  
GlueSubCluste  
  
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,  
GlueSubClusterName: my subcluster SA2 verification  
GlueSubClusterPhysicalCPUs: 2  
GlueSubClusterLogicalCPUs: 4  
GlueSubClusterWNTmpDir: /tmp  
GlueSubClusterTmpDir: /tmp  
objectClass: GlueSubCluster  
GlueSubClusterUniqueID: cesga-egi-configuration  
# GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES, test06.egi.cesga.es_org.glite.R  
dn:  
GlueServiceDataKey=GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES,GlueServiceU  
ceU  
GlueServiceDataKey: GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES
```

```
# GlueSubClusterUniqueID:test06.egi.cesga.es, test06.egi.cesga.es_org.glite.R
dn: GlueServiceDataKey=GlueSubClusterUniqueID:test06.egi.cesga.es,GlueServiceU
GlueServiceDataKey: GlueSubClusterUniqueID:test06.egi.cesga.es
# GlueSubClusterUniqueID:cesga-egi-configuration, test06.egi.cesga.es_org.gli
dn: GlueServiceDataKey=GlueSubClusterUniqueID:cesga-egi-configuration,GlueServ
GlueServiceDataKey: GlueSubClusterUniqueID:cesga-egi-configuration
}}}
```

(!) Note that in the ldap queries showed before, the object published is GlueForeignKey and not GlueCE: GlueCEUniqueID is just a value of GlueForeignKey

Not applicable Quality Criteria

Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

Specific Non-functional tests (Scalability, etc...) to be repeated in SR:

Test number	Description	Motivation

Comments for UMD QC definition (TSA2.2):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

EMI.emi-cluster.sl5_sl6.x86_64-2.0.1 was updated from UMD-3 repository without any issue.

Comments for DMSU (TSA2.5):

Comments for TP: