

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

| | | | |
|-------------------------|-------------------------------------|---------------------------------------|----------|
| Name of the component | | | |
| Release | emi.cluster.sl5.x86_64-2.0.0 | RT Ticket | #3890 |
| 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 | 12/06/12 |
| Verification start date | 07/06/12 | Verification end date | 12/06/12 |

Summary:

emi.cluster.sl5.x86_64-2.0.0 was updated from UMD-2 repository from UMD -1 and from scratch 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 (Y/N/N) | Tested (TP/VLD) | Comments |
|-------------------------------------------|------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DOCUMENTATION QC | | | |
| GENERIC_DOC_1 (Functional Description) | Optional | | |
| GENERIC_DOC_2 (Release Notes) | Y | VLD | https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#gLite_CLUSTER_v_2_0_0_task_23327 |
| GENERIC_DOC_3 (User Documentation) | Y | VLD | https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2 |
| GENERIC_DOC_4 (Online help (man pages)) | Y | VLD | https://wiki.italiangrid.it/twiki/bin/view/CREAM/UserGuideEMI2#Man_pages_for_CREAM_Command_Line |
| GENERIC_DOC_5 (API Documentation) | Y | VLD | https://wiki.italiangrid.it/twiki/bin/view/CREAM/DevelopersDocumentation |
| GENERIC_DOC_6 (Administrator Documentat | Y | VLD | https://wiki.italiangrid.it/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI2 |
| GENERIC_DOC_7 (Service Reference Card) | Y | VLD | https://wiki.italiangrid.it/twiki/bin/view/CREAM/ServiceReferenceCardEMI2 |
| GENERIC_DOC_8 (Software License) | Y | VLD | Emi-cluster: Apache Software License 2.0 |
| GENERIC_DOC_9 (Release changes testing) | Y | VLD | https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#gLite_CLUSTER_v_2_0_0_task_23327 |
| SOFTWARE DISTRIBUTION QC | | | |
| GENERIC_DIST_1 (Source Code Availability) | Y | VLD | http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl5/SRPMS/base/emi-cluster-2.0.0-3.sl5.src.rpm |
| GENERIC_DIST_3 (Binary Distribution) | Y | VLD | http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl5/x86_64/base/emi-cluster-2.0.0-3.sl5.x86_64.rpm |
| 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) | Optional | | |
| GENERIC_SERVICE_4 (Service Robustness) | Optional | | |
| GENERIC_SERVICE_5 (Automatic Configurati | Optional | | |
| GENERIC_SERVICE_6 (Default Password Co | Y | VLD | |
| SECURITY QC | | | |
| GENERIC_SEC_1 (World Writable Files) | Y | VLD | |
| GENERIC_SEC_3 (Passwords in world reada | 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/outg | 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 | Optional | | |
| JOBEXEC_AVAIL_4 (Timely Job Status Upda | Optional | | |
| PARALLEL JOB QC | | | |
| PARALLEL_JOB_1 (Simple parallel job submi | Y | VLD | |
| PARALLEL_JOB_2 (Single machine parallel j | Optional | | |
| PARALLEL_JOB_3 (Fine grained mapping par | Optional | | |
| MONITORING PROBES QC | | | |
| MON_PROBE_GENERIC_1 (Certificate Lifetim | Optional | | |
| MON_PROBE_GENERIC_2 (Service Probe) | Optional | | |
| 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 co | Optional | | |
| CLIENT_TOOLS_2 (Error Messages) | Optional | | |

Validator comments:

== EMI cluster ==

=== Ticket assigned ===

* [<https://rt.egi.eu/rt/Ticket/Display.html?id=3890>]

=== 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.cluster.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3890,547,474)
```

```
[EMI.cluster.sl5.x86_64]
name=EMI.cluster.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.cluster.sl5.x86_64/2/0/0/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi
}}}
```

=== Installation ===

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

* Install the egi cluster metapackage:

* yum install emi-cluster

```
{{{
Jun 11 14:19:41 Installed: glite-yaim-cluster-2.1.0-4.sl5.x86_64
Jun 11 14:19:42 Installed: perl-XML-Twig-3.26-1.fc6.noarch
Jun 11 14:19:43 Installed: glite-info-dynamic-ge-6.0.0-4.sl5.noarch
Jun 11 14:19:44 Installed: 1:perl-TimeDate-1.16-5.el5.noarch
Jun 11 14:19:44 Installed: info-dynamic-scheduler-lsf-2.1.8-4.el5.noarch
Jun 11 14:19:45 Installed: emi-cluster-2.0.0-3.sl5.x86_64
}}}
```

```
==== 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
##LFC_HOST=lx7607.cern.ch
PX_HOST=myproxy.egi.cesga.es
MON_HOST=test07.egi.cesga.es
```

```
YAIM_LOGGING_LEVEL=DEBUG
```

```
#####
# 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, lcgsgc 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_ApplicationSoftwareRunTimeEnv
ironment="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_6
4 # 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=FAL
SE # CE_INBOUNDIP
SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_NetworkAdapterOutboundIP=TR
UE # CE_OUTBOUNDIP
SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_OperatingSystemName="Scientifi
c Linux" # CE_OS
SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_OperatingSystemRelease=5.5
# CE_OS_RELEASE
SUBCLUSTER_TEST06_EGI_CESGA_ES_HOST_OperatingSystemVersion="Scienti
ficSL" # 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=2
# CE_LOGCPU
SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_TmpDir=/tmp
SUBCLUSTER_TEST06_EGI_CESGA_ES_SUBCLUSTER_WNTmpDir=/tmp
```

```
#####
# Site configuration variables #
#####
```

SITE_EMAIL=egee-admin@cesga.es

SITE_NAME=CESGA-EGEE

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/torque

BATCH_VERSION=torque-2.5.7-7

#####

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://test10.egi.cesga.es:8154/authz"

###CREAM_PEPD_RESOURCEID="http://www.egee.cesga.es/test10"

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=

# 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 enviroment 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=umctest
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"

# 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"
QUEUES="GRID_ops GRID_dteam GRID_opsibeu GRID_iberibeu"
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"

#:::
#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="GRIDEGI_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"

#:::
#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_dteam"
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=Certif
ication Authorities/CN=HellasGrid CA 2006'"
```

```
## 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://voms02.ncg.ingrid.pt:8443/voms/ops.vo.ibergrid.eu?/ops.vo.ibergrid.eu"
VO_OPS_VO_IBERGRID_EU_VOMSES=""ops.vo.ibergrid.eu voms02.ncg.ingrid.pt
40001 /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=voms02.ncg.ingrid.pt
ops.vo.ibergrid.eu"
VO_OPS_VO_IBERGRID_EU_VOMS_CA_DN=""/C=PT/O=LIPCA/CN=LIP
Certification Authority"
```

```
# 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.pt
40003 /C=PT/O=LIPCA/O=LIP/OU=Lisboa/CN=voms02.ncg.ingrid.pt
iber.vo.ibergrid.eu"
VO_IBER_VO_IBERGRID_EU_VOMS_CA_DN=""/C=PT/O=LIPCA/CN=LIP
Certification Authority"
```

```
}}}
```

==== Configuring with YAIM ====

{{

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

DEBUG: This function currently doesn't set any environment variables.

INFO: Executing function: config_cluster_gip_lrms_dynamic

DEBUG: Customizing the /etc/lrms/pbs.conf file ...

DEBUG: Define the 'max jobs' cmd for the VOs

DEBUG: Add BATCH_SERVER to the /var/torque/server_name file to enable torque clients

DEBUG: Create ERT configuration

DEBUG: Configuring the dynamic plugin associated to the batch system torque

DEBUG: Skipping function: config_vo_tag_dir_setenv because it is not defined

INFO: Executing function: config_vo_tag_dir

DEBUG: Creating subcluster VO tag directory for cluster TEST06_EGI_CESGA_ES

DEBUG: Creating subcluster VO tag directory for subcluster

TEST06_EGI_CESGA_ES

DEBUG: Creating subcluster VO tag directory for VO ops

DEBUG: ops, opssgm

DEBUG: Adding group writeability of files in /opt/glite/var/info/cesga-egi-configuration/ops,

DEBUG: sgm's primary group is different to pool account's primary group.

DEBUG: Creating subcluster VO tag directory for VO dteam

DEBUG: dteam, dteamsgm

DEBUG: Adding group writeability of files in /opt/glite/var/info/cesga-egi-configuration/dteam,

DEBUG: sgm's primary group is different to pool account's primary group.

DEBUG: Creating subcluster VO tag directory for VO ops.vo.ibergrid.eu

DEBUG: opsibeu, opsibeusgm

DEBUG: Adding group writeability of files in /opt/glite/var/info/cesga-egi-configuration/ops.vo.ibergrid.eu,

DEBUG: sgm's primary group is different to pool account's primary group.

DEBUG: Creating subcluster VO tag directory for VO iber.vo.ibergrid.eu

DEBUG: ibeibeu, ibeibeusgm

DEBUG: Adding group writeability of files in /opt/glite/var/info/cesga-egi-configuration/iber.vo.ibergrid.eu,

DEBUG: sgm's primary group is different to pool account's primary group.

DEBUG: Creating VO tag directories

DEBUG: ops, opssgm

DEBUG: Adding group writeability of files in /opt/edg/var/info/ops,

DEBUG: sgm's primary group is different to pool account's primary group.

DEBUG: dteam, dteamsgm

DEBUG: Adding group writeability of files in /opt/edg/var/info/dteam,

DEBUG: sgm's primary group is different to pool account's primary group.

DEBUG: opsibeu, opsibeusgm

DEBUG: Adding group writeability of files in /opt/edg/var/info/ops.vo.ibergrid.eu,

```
DEBUG: sgm's primary group is different to pool account's primary group.
DEBUG: ibeibeu, ibeibeusgm
DEBUG: Adding grop writeability of files in /opt/edg/var/info/iber.vo.ibergrid.eu,
DEBUG: sgm's primary group is different to pool account's primary group.
DEBUG: Skipping function: config_cluster_gip_software_plugin_setenv because it is
not defined
INFO: Executing function: config_cluster_gip_software_plugin
DEBUG: Install glue1 plugin for GlueHostApplicationSoftwareRunTimeEnvironment
DEBUG: Install glue2 provider for ApplicationEnvironments
INFO: Executing function: config_cluster_info_service_rtepublish_setenv
DEBUG: This function currently doesn't set any environment variables.
INFO: Executing function: config_cluster_info_service_rtepublish
DEBUG: Delete a previous version of the glite-info-service-rtepublisher.conf if it
exists
DEBUG: Create the glite-info-service-rtepublisher.conf file out of the template file
DEBUG: Create the glite-info-glue2-rtepublisher.conf file out of the template file
DEBUG: Delete a previous version of the glite-info-provider-service-rtepublisher-
wrapper if it exists
DEBUG: Create the /var/lib/bdii/gip/provider in case it doesn't exist
DEBUG: Create the glite-info-provider-service-rtepublisher-wrapper file
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.
}}}
```

```
==== checking main daemons =====
```

```
{}}
```

```
[root@test06 etc]# /etc/init.d/ldap status
```

```
slapd (pid 25393) is running...
```

```
[root@test06 etc]# /etc/init.d/bdii status
```

```
BDII Running [ OK ]
```

```
[root@test06 etc]# /etc/init.d/globus-gridftp status
```

```
globus-gridftp-server (pid 26067) is running...
```

```
}}}
```

* 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).

```
{}  
ldapsearch -x -h localhost -p 2170 -b "mds-vo-name=resource,o=grid"
```

```
[ .... ]  
# my-sa2, resource, grid  
dn: GlueClusterUniqueID=my-sa2,Mds-Vo-name=resource,o=grid  
objectClass: GlueClusterTop  
objectClass: GlueCluster  
objectClass: GlueInformationService  
objectClass: GlueKey  
objectClass: GlueSchemaVersion  
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  
GlueSchemaVersionMinor: 3  
GlueForeignKey: GlueSiteUniqueID=cesga-egi  
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops  
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam  
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-  
GRID_opsibeu  
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibe  
u  
GlueSchemaVersionMajor: 1  
GlueClusterName: This is the SA2 cluster for UMD verification  
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resourc  
e,o=grid
```

```
# cesga-egi-configuration, my-sa2, resource, grid
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,
  Mds-Vo-name=resource,o=grid
GlueSubClusterName: my subcluster SA2 verification
GlueHostOperatingSystemName: Scientific Linux
GlueHostOperatingSystemRelease: 5.5
GlueChunkKey: GlueClusterUniqueID=my-sa2
GlueHostProcessorModel: Opteron
GlueHostArchitecturePlatformType: x86_64
GlueHostBenchmarkSI00: 2395
GlueHostMainMemoryVirtualSize: 524
GlueSubClusterPhysicalCPUs: 2
GlueHostBenchmarkSF00: 1714
GlueHostNetworkAdapterInboundIP: FALSE
GlueSubClusterLogicalCPUs: 2
GlueSubClusterWNTmpDir: /tmp
GlueSchemaVersionMajor: 1
GlueSubClusterTmpDir: /tmp
GlueHostNetworkAdapterOutboundIP: TRUE
GlueHostOperatingSystemVersion: ScientificSL
GlueSchemaVersionMinor: 3
GlueHostProcessorClockSpeed: 2200
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resourc
  e,o=grid
objectClass: GlueClusterTop
objectClass: GlueSubCluster
objectClass: GlueHostApplicationSoftware
objectClass: GlueHostArchitecture
objectClass: GlueHostBenchmark
objectClass: GlueHostMainMemory
objectClass: GlueHostNetworkAdapter
objectClass: GlueHostOperatingSystem
objectClass: GlueHostProcessor
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueHostMainMemoryRAMSize: 513
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_0
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_1
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_2_0
GlueHostProcessorOtherDescription: Cores=24,Benchmark=9.58-HEP-SPEC06
GlueSubClusterUniqueID: cesga-egi-configuration
GlueHostArchitectureSMPSize: 2
GlueHostProcessorVendor: amd

# test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,
  Mds-Vo-name=resource,o=grid
```

GlueServiceAccessControlBaseRule: VOMS:/dteam/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/iber.vo.ibergrid.eu/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops.vo.ibergrid.eu/Role=lcgadmin
GlueServiceStatus: Warning
GlueServiceStatusInfo: globus-gridftp-server dead but subsys locked
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceStartTime: 2012-06-12T11:01:09+02:00
GlueServiceEndpoint: gsiftp://test06.egi.cesga.es:2811/opt/glite/var/info
GlueServiceVersion: 1.0.0
GlueSchemaVersionMinor: 3
GlueServiceName: CESGA-EGEE-RTEPublisher
GlueServiceType: org.glite.RTEPublisher
GlueServiceSemantics: <http://grid-deployment.web.cern.ch/grid-deployment/eis/docs/ExpSwInstall/sw-install.html>
GlueForeignKey: GlueSiteUniqueID=CESGA-EGEE
GlueServiceOwner: dteam
GlueServiceOwner: iber.vo.ibergrid.eu
GlueServiceOwner: ops
GlueServiceOwner: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: 1.6

glite-info-service_hostname, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion

GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: test06.egi.cesga.es

GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn:
GlueServiceDataKey=GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueSchemaVersionMajor: 1

GlueSubClusterUniqueID:test06.egi.cesga.es, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=GlueSubClusterUniqueID:test06.egi.cesga.es,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:test06.egi.cesga.es
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueSchemaVersionMajor: 1

GlueSubClusterUniqueID:cesga-egi-configuration, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=GlueSubClusterUniqueID:cesga-egi-configuration,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:cesga-egi-configuration
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528

855976528
GlueSchemaVersionMajor: 1

search result
search: 2
result: 0 Success

numResponses: 30
numEntries: 29

}}}

ldapsearch -x -H ldap://test12.egi.cesga.es:2170 -b o=grid

{{{

[root@ce2 etc]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid
[...]
rviceStatusInfo: /etc/init.d/tomcat5 is already running (16824)

test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops,Md
s-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam,
Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam

test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibe
u,Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop

objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu

test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-
GRID_iberib
eu,Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu

ops, test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid
dn: GlueVOViewLocalID=ops,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-
GR
ID_ops,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:ops
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: ops
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/ops

dteamrviceStatusInfo: /etc/init.d/tomcat5 is already running (16824)

test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid

dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops,Md
s-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam,
Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam

test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibe
u,Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu

test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberib
eu,Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu

ops, test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid
dn: GlueVOViewLocalID=ops,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GR

ID_ops,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:ops
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: ops
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/ops

dteam, test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn: GlueVOViewLocalID=dteam,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-

GRID_dteam,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:dteam
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: dteam
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/dteam

DN, test06.egi.cesga.es_org.glite.ce.CREAM_2724187207, resource, grid
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce
.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_27241
87207
GlueServiceDataValue: /DC=es/DC=irisgrid/O=cesga/CN=host/test06.egi.cesga.es

ops.vo.ibergrid.eu, test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resour
ce, grid
dn: GlueVOViewLocalID=ops.vo.ibergrid.eu,GlueCEUniqueID=test06.egi.cesga.es:84
43/cream-pbs-GRID_opsibeu,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStrviceStatusInfo: /etc/init.d/tomcat5 is already running (16824)

test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-
GRID_ops,Md
s-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-
GRID_dteam,
Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam

test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resource, grid

dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibe
u,Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu

test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn: GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberib
eu,Mds-Vo-name=resource,o=grid
objectClass: GlueGeneralTop
objectClass: GlueCESEBindGroup
objectClass: GlueSchemaVersion
GlueCESEBindGroupSEUniqueID: test08.egi.cesga.es
GlueSchemaVersionMinor: 3
GlueSchemaVersionMajor: 1
GlueCESEBindGroupCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu

ops, test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid
dn: GlueVOViewLocalID=ops,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GR
ID_ops,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:ops
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: ops
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/ops

dteam, test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn: GlueVOViewLocalID=dteam,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-
pbs-
GRID_dteam,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:dteam
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: dteam
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/dteam

DN, test06.egi.cesga.es_org.glite.ce.CREAM_2724187207, resource, grid
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce
.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_27241
87207
GlueServiceDataValue: /DC=es/DC=irisgrid/O=cesga/CN=host/test06.egi.cesga.es

ops.vo.ibergrid.eu, test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resour
ce, grid
dn: GlueVOViewLocalID=ops.vo.ibergrid.eu,GlueCEUniqueID=test06.egi.cesga.es:84
43/cream-pbs-GRID_opsibeu,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842

objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:ops.vo.ibergrid.eu
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/opsibeu

iber.vo.ibergrid.eu, test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid

dn: GlueVOViewLocalID=iber.vo.ibergrid.eu,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu,Mds-Vo-name=resource,o=grid

GlueCEInfoDefaultSE: test08.egi.cesga.es

GlueCEStateTotalJobs: 0

GlueCEInfoDataDir: unset

GlueCEStateEstimatedResponseTime: 2146660842

objectClass: GlueCETop

objectClass: GlueVOView

objectClass: GlueCEInfo

objectClass: GlueCEState

objectClass: GlueCEAccessControlBase

objectClass: GlueCEPolicy

objectClass: GlueKey

objectClass: GlueSchemaVersion

GlueCEStateWaitingJobs: 444444

GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu

GlueSchemaVersionMinor: 3

GlueCEAccessControlBaseRule: VO:iber.vo.ibergrid.eu

GlueCEStateRunningJobs: 0

GlueCEStateWorstResponseTime: 2146660842

GlueCEStateFreeJobSlots: 0

GlueVOViewLocalID: iber.vo.ibergrid.eu

GlueSchemaVersionMajor: 1

GlueCEInfoApplicationDir: /opt/exp_soft/iberibeu

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid

dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=tes
t06.egi.cesga.es:8443/cream-pbs-GRID_ops,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.ce.CREAM_27241872
07, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.e
gi.cesga.es_org.glite.ce.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_27241
87207
GlueServiceDataValue: 1.6

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resourc
e, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=tes
t06.egi.cesga.es:8443/cream-pbs-GRID_dteam,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueSchemaVersionMajor: 1

glite-info-service_hostname, test06.egi.cesga.es_org.glite.ce.CREAM_2724187
207, resource, grid

dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_2724187207
GlueServiceDataValue: test06.egi.cesga.es

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resource, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueSchemaVersionMajor: 1

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMajor: 1

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

objectClass: GlueClusterTop
objectClass: GlueCluster
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
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
GlueSchemaVersionMinor: 3
GlueForeignKey: GlueSiteUniqueID=cesga-egi
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-
GRID_opsibeu
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibe
u
GlueSchemaVersionMajor: 1
GlueClusterName: This is the SA2 cluster for UMD verification
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resource,o=grid

cesga-egi-configuration, my-sa2, resource, grid
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,
Mds-Vo-name=resource,o=grid
GlueSubClusterName: my subcluster SA2 verification
GlueHostOperatingSystemName: Scientific Linux
GlueHostOperatingSystemRelease: 5.5
GlueChunkKey: GlueClusterUniqueID=my-sa2
GlueHostProcessorModel: Opteron
GlueHostArchitecturePlatformType: x86_64
GlueHostBenchmarkSI00: 2395
GlueHostMainMemoryVirtualSize: 524
GlueSubClusterPhysicalCPUs: 2
GlueHostBenchmarkSF00: 1714
GlueHostNetworkAdapterInboundIP: FALSE
GlueSubClusterLogicalCPUs: 2
GlueSubClusterWNTmpDir: /tmp
GlueSchemaVersionMajor: 1
GlueSubClusterTmpDir: /tmp
GlueHostNetworkAdapterOutboundIP: TRUE
GlueHostOperatingSystemVersion: ScientificSL
GlueSchemaVersionMinor: 3
GlueHostProcessorClockSpeed: 2200
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resource,o=grid
objectClass: GlueClusterTop
objectClass: GlueSubCluster
objectClass: GlueHostApplicationSoftware

objectClass: GlueHostArchitecture
objectClass: GlueHostBenchmark
objectClass: GlueHostMainMemory
objectClass: GlueHostNetworkAdapter
objectClass: GlueHostOperatingSystem
objectClass: GlueHostProcessor
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueHostMainMemoryRAMSize: 513
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_0
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_1
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_2_0
GlueHostProcessorOtherDescription: Cores=24,Benchmark=9.58-HEP-SPEC06
GlueSubClusterUniqueID: cesga-egi-configuration
GlueHostArchitectureSMPSize: 2
GlueHostProcessorVendor: amd

test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,
Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VOMS:/dteam/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/iber.vo.ibergrid.eu/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops.vo.ibergrid.eu/Role=lcgadmin
GlueServiceStatus: Warning
GlueServiceStatusInfo: globus-gridftp-server dead but subsys locked
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceStartTime: 2012-06-12T11:01:09+02:00
GlueServiceEndpoint: gsiftp://test06.egi.cesga.es:2811/opt/glite/var/info
GlueServiceVersion: 1.0.0
GlueSchemaVersionMinor: 3
GlueServiceName: CESGA-EGEE-RTEPublisher
GlueServiceType: org.glite.RTEPublisher
GlueServiceSemantics: <http://grid-deployment.web.cern.ch/grid-deployment/eis/docs/ExpSwInstall/sw-install.html>
GlueForeignKey: GlueSiteUniqueID=CESGA-EGEE
GlueServiceOwner: dteam
GlueServiceOwner: iber.vo.ibergrid.eu
GlueServiceOwner: ops
GlueServiceOwner: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.RTEPublisher_2855
976528, resource, grid

dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: 1.6

glite-info-service_hostname, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: test06.egi.cesga.es

GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn:
GlueServiceDataKey=GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueSchemaVersionMajor: 1

GlueSubClusterUniqueID:test06.egi.cesga.es, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=GlueSubClusterUniqueID:test06.egi.cesga.es,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid

objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:test06.egi.cesga.es
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueSchemaVersionMajor: 1

GlueSubClusterUniqueID:cesga-egi-configuration, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=GlueSubClusterUniqueID:cesga-egi-configuration,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:cesga-egi-configuration
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueSchemaVersionMajor: 1

search result
search: 2
result: 0 Success

numResponses: 32
numEntries: 31
ateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:ops.vo.ibergrid.eu
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/opsibeu

iber.vo.ibergrid.eu, test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn: GlueVOViewLocalID=iber.vo.ibergrid.eu,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:iber.vo.ibergrid.eu
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: iber.vo.ibergrid.eu
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/iberibeu

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.ce.CREAM_2724187207, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1

objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_2724187207
GlueServiceDataValue: 1.6

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueSchemaVersionMajor: 1

glite-info-service_hostname, test06.egi.cesga.es_org.glite.ce.CREAM_2724187207, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_2724187207
GlueServiceDataValue: test06.egi.cesga.es

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resource, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu,Mds-Vo-name=resource,o=grid

GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueSchemaVersionMajor: 1

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMajor: 1

my-sa2, resource, grid
dn: GlueClusterUniqueID=my-sa2,Mds-Vo-name=resource,o=grid
objectClass: GlueClusterTop
objectClass: GlueCluster
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
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
GlueSchemaVersionMinor: 3
GlueForeignKey: GlueSiteUniqueID=cesga-egi
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMajor: 1
GlueClusterName: This is the SA2 cluster for UMD verification

GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resource,o=grid

```
# cesga-egi-configuration, my-sa2, resource, grid
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,
Mds-Vo-name=resource,o=grid
GlueSubClusterName: my subcluster SA2 verification
GlueHostOperatingSystemName: Scientific Linux
GlueHostOperatingSystemRelease: 5.5
GlueChunkKey: GlueClusterUniqueID=my-sa2
GlueHostProcessorModel: Opteron
GlueHostArchitecturePlatformType: x86_64
GlueHostBenchmarkSI00: 2395
GlueHostMainMemoryVirtualSize: 524
GlueSubClusterPhysicalCPUs: 2
GlueHostBenchmarkSF00: 1714
GlueHostNetworkAdapterInboundIP: FALSE
GlueSubClusterLogicalCPUs: 2
GlueSubClusterWNTmpDir: /tmp
GlueSchemaVersionMajor: 1
GlueSubClusterTmpDir: /tmp
GlueHostNetworkAdapterOutboundIP: TRUE
GlueHostOperatingSystemVersion: ScientificSL
GlueSchemaVersionMinor: 3
GlueHostProcessorClockSpeed: 2200
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resource,o=grid
objectClass: GlueClusterTop
objectClass: GlueSubCluster
objectClass: GlueHostApplicationSoftware
objectClass: GlueHostArchitecture
objectClass: GlueHostBenchmark
objectClass: GlueHostMainMemory
objectClass: GlueHostNetworkAdapter
objectClass: GlueHostOperatingSystem
objectClass: GlueHostProcessor
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueHostMainMemoryRAMSize: 513
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_0
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_1
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_2_0
GlueHostProcessorOtherDescription: Cores=24,Benchmark=9.58-HEP-SPEC06
GlueSubClusterUniqueID: cesga-egi-configuration
GlueHostArchitectureSMPSize: 2
GlueHostProcessorVendor: amd
```

test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid

dn: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,
Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VOMS:/dteam/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/iber.vo.ibergrid.eu/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops.vo.ibergrid.eu/Role=lcgadmin
GlueServiceStatus: Warning
GlueServiceStatusInfo: globus-gridftp-server dead but subsystems locked
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceStartTime: 2012-06-12T11:01:09+02:00
GlueServiceEndpoint: gsiftp://test06.egi.cesga.es:2811/opt/glite/var/info
GlueServiceVersion: 1.0.0
GlueSchemaVersionMinor: 3
GlueServiceName: CESGA-EGEE-RTEPublisher
GlueServiceType: org.glite.RTEPublisher
GlueServiceSemantics: <http://grid-deployment.web.cern.ch/grid-deployment/eis/docs/ExpSwInstall/sw-install.html>
GlueForeignKey: GlueSiteUniqueID=CESGA-EGEE
GlueServiceOwner: dteam
GlueServiceOwner: iber.vo.ibergrid.eu
GlueServiceOwner: ops
GlueServiceOwner: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.RTEPublisher_2855
976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.e
gi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2
855976528
GlueServiceDataValue: 1.6

glite-info-service_hostname, test06.egi.cesga.es_org.glite.RTEPublisher_285
5976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.
egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData

objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: test06.egi.cesga.es

GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid

dn:
GlueServiceDataKey=GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES,GlueServiceU

niqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid

objectClass: GlueTop

objectClass: GlueServiceData

objectClass: GlueKey

objectClass: GlueSchemaVersion

GlueSchemaVersionMinor: 3

GlueServiceDataKey: GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES

GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528

GlueSchemaVersionMajor: 1

GlueSubClusterUniqueID:test06.egi.cesga.es, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid

dn: GlueServiceDataKey=GlueSubClusterUniqueID:test06.egi.cesga.es,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid

objectClass: GlueTop

objectClass: GlueServiceData

objectClass: GlueKey

objectClass: GlueSchemaVersion

GlueSchemaVersionMinor: 3

GlueServiceDataKey: GlueSubClusterUniqueID:test06.egi.cesga.es

GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528

GlueSchemaVersionMajor: 1

GlueSubClusterUniqueID:cesga-egi-configuration, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid

dn: GlueServiceDataKey=GlueSubClusterUniqueID:cesga-egi-configuration,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid

objectClass: GlueTop

objectClass: GlueServiceData

objectClass: GlueKey

objectClass: GlueSchemaVersion

GlueSchemaVersionMinor: 3

GlueServiceDataKey: GlueSubClusterUniqueID:cesga-egi-configuration
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2
855976528
GlueSchemaVersionMajor: 1

search result
search: 2
result: 0 Success

numResponses: 32
numEntries: 31
, test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resource, grid
dn: GlueVOViewLocalID=dteam,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-
pbs-
GRID_dteam,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:dteam
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: dteam
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/dteam

DN, test06.egi.cesga.es_org.glite.ce.CREAM_2724187207, resource, grid
dn: GlueServiceDataKey=DN,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce
.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: DN
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_27241

87207

GlueServiceDataValue: /DC=es/DC=irisgrid/O=cesga/CN=host/test06.egi.cesga.es

ops.vo.ibergrid.eu, test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resource, grid
dn: GlueVOViewLocalID=ops.vo.ibergrid.eu,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:ops.vo.ibergrid.eu
GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/opsibeu

iber.vo.ibergrid.eu, test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, resource, grid
dn: GlueVOViewLocalID=iber.vo.ibergrid.eu,GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu,Mds-Vo-name=resource,o=grid
GlueCEInfoDefaultSE: test08.egi.cesga.es
GlueCEStateTotalJobs: 0
GlueCEInfoDataDir: unset
GlueCEStateEstimatedResponseTime: 2146660842
objectClass: GlueCETop
objectClass: GlueVOView
objectClass: GlueCEInfo
objectClass: GlueCEState
objectClass: GlueCEAccessControlBase
objectClass: GlueCEPolicy
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueCEStateWaitingJobs: 444444
GlueChunkKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMinor: 3
GlueCEAccessControlBaseRule: VO:iber.vo.ibergrid.eu

GlueCEStateRunningJobs: 0
GlueCEStateWorstResponseTime: 2146660842
GlueCEStateFreeJobSlots: 0
GlueVOViewLocalID: iber.vo.ibergrid.eu
GlueSchemaVersionMajor: 1
GlueCEInfoApplicationDir: /opt/exp_soft/iberibeu

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_ops, resource,
grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=tes
s
t06.egi.cesga.es:8443/cream-pbs-GRID_ops,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.ce.CREAM_27241872
07, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.e
gi.cesga.es_org.glite.ce.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_27241
87207
GlueServiceDataValue: 1.6

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_dteam, resourc
e, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=tes
s
t06.egi.cesga.es:8443/cream-pbs-GRID_dteam,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop

objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueSchemaVersionMajor: 1

glite-info-service_hostname, test06.egi.cesga.es_org.glite.ce.CREAM_2724187
207, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.
egi.cesga.es_org.glite.ce.CREAM_2724187207,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey:
GlueServiceUniqueID=test06.egi.cesga.es_org.glite.ce.CREAM_27241
87207
GlueServiceDataValue: test06.egi.cesga.es

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu, resou
rce, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=te
s
t06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop
objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueSchemaVersionMajor: 1

test08.egi.cesga.es, test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu, reso
urce, grid
dn:
GlueCESEBindSEUniqueID=test08.egi.cesga.es,GlueCESEBindGroupCEUniqueID=te
s
t06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu,Mds-Vo-name=resource,o=grid
GlueCESEBindSEUniqueID: test08.egi.cesga.es
GlueCESEBindCEAccesspoint: n.a
GlueCESEBindMountInfo: n.a
objectClass: GlueGeneralTop

objectClass: GlueCESEBind
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueCESEBindWeight: 0
GlueCESEBindCEUniqueID: test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMajor: 1

my-sa2, resource, grid
dn: GlueClusterUniqueID=my-sa2,Mds-Vo-name=resource,o=grid
objectClass: GlueClusterTop
objectClass: GlueCluster
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
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
GlueSchemaVersionMinor: 3
GlueForeignKey: GlueSiteUniqueID=cesga-egi
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibeu
GlueSchemaVersionMajor: 1
GlueClusterName: This is the SA2 cluster for UMD verification
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resource,o=grid

cesga-egi-configuration, my-sa2, resource, grid
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,Mds-Vo-name=resource,o=grid
GlueSubClusterName: my subcluster SA2 verification
GlueHostOperatingSystemName: Scientific Linux
GlueHostOperatingSystemRelease: 5.5
GlueChunkKey: GlueClusterUniqueID=my-sa2
GlueHostProcessorModel: Opteron
GlueHostArchitecturePlatformType: x86_64
GlueHostBenchmarkSI00: 2395
GlueHostMainMemoryVirtualSize: 524
GlueSubClusterPhysicalCPUs: 2
GlueHostBenchmarkSF00: 1714
GlueHostNetworkAdapterInboundIP: FALSE
GlueSubClusterLogicalCPUs: 2
GlueSubClusterWNTmpDir: /tmp
GlueSchemaVersionMajor: 1
GlueSubClusterTmpDir: /tmp

GlueHostNetworkAdapterOutboundIP: TRUE
GlueHostOperatingSystemVersion: ScientificSL
GlueSchemaVersionMinor: 3
GlueHostProcessorClockSpeed: 2200
GlueInformationServiceURL: ldap://test06.egi.cesga.es:2170/mds-vo-name=resource,o=grid
objectClass: GlueClusterTop
objectClass: GlueSubCluster
objectClass: GlueHostApplicationSoftware
objectClass: GlueHostArchitecture
objectClass: GlueHostBenchmark
objectClass: GlueHostMainMemory
objectClass: GlueHostNetworkAdapter
objectClass: GlueHostOperatingSystem
objectClass: GlueHostProcessor
objectClass: GlueInformationService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueHostMainMemoryRAMSize: 513
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_0
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_1_1
GlueHostApplicationSoftwareRunTimeEnvironment: LCG-2_2_0
GlueHostProcessorOtherDescription: Cores=24,Benchmark=9.58-HEP-SPEC06
GlueSubClusterUniqueID: cesga-egi-configuration
GlueHostArchitectureSMPSize: 2
GlueHostProcessorVendor: amd

test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,
Mds-Vo-name=resource,o=grid
GlueServiceAccessControlBaseRule: VOMS:/dteam/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/iber.vo.ibergrid.eu/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops/Role=lcgadmin
GlueServiceAccessControlBaseRule: VOMS:/ops.vo.ibergrid.eu/Role=lcgadmin
GlueServiceStatus: Warning
GlueServiceStatusInfo: globus-gridftp-server dead but subsys locked
objectClass: GlueTop
objectClass: GlueService
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueServiceUniqueID: test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceStartTime: 2012-06-12T11:01:09+02:00
GlueServiceEndpoint: gsiftp://test06.egi.cesga.es:2811/opt/glite/var/info
GlueServiceVersion: 1.0.0
GlueSchemaVersionMinor: 3
GlueServiceName: CESGA-EGEE-RTEPublisher
GlueServiceType: org.glite.RTEPublisher
GlueServiceSemantics: http://grid-deployment.web.cern.ch/grid-deployment/eis/docs/ExpSwInstall/sw-install.html

GlueForeignKey: GlueSiteUniqueID=CESGA-EGEE
GlueServiceOwner: dteam
GlueServiceOwner: iber.vo.ibergrid.eu
GlueServiceOwner: ops
GlueServiceOwner: ops.vo.ibergrid.eu
GlueSchemaVersionMajor: 1

glite-info-service_version, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_version,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_version
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: 1.6

glite-info-service_hostname, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=glite-info-service_hostname,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
GlueSchemaVersionMajor: 1
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: glite-info-service_hostname
GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528
GlueServiceDataValue: test06.egi.cesga.es

GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn:
GlueServiceDataKey=GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
objectClass: GlueTop
objectClass: GlueServiceData
objectClass: GlueKey
objectClass: GlueSchemaVersion
GlueSchemaVersionMinor: 3
GlueServiceDataKey: GlueSubClusterUniqueID:TEST06_EGI_CESGA_ES

GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528

GlueSchemaVersionMajor: 1

```
# GlueSubClusterUniqueID:test06.egi.cesga.es, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=GlueSubClusterUniqueID:test06.egi.cesga.es,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
```

objectClass: GlueTop

objectClass: GlueServiceData

objectClass: GlueKey

objectClass: GlueSchemaVersion

GlueSchemaVersionMinor: 3

GlueServiceDataKey: GlueSubClusterUniqueID:test06.egi.cesga.es

GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528

GlueSchemaVersionMajor: 1

```
# GlueSubClusterUniqueID:cesga-egi-configuration, test06.egi.cesga.es_org.glite.RTEPublisher_2855976528, resource, grid
dn: GlueServiceDataKey=GlueSubClusterUniqueID:cesga-egi-configuration,GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528,Mds-Vo-name=resource,o=grid
```

objectClass: GlueTop

objectClass: GlueServiceData

objectClass: GlueKey

objectClass: GlueSchemaVersion

GlueSchemaVersionMinor: 3

GlueServiceDataKey: GlueSubClusterUniqueID:cesga-egi-configuration

GlueChunkKey: GlueServiceUniqueID=test06.egi.cesga.es_org.glite.RTEPublisher_2855976528

GlueSchemaVersionMajor: 1

search result

search: 2

result: 0 Success

numResponses: 32

numEntries: 31

}}}

{{{

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

```
GlueCE | grep GlueForeignKey
```

```
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_ops
```

```
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_dteam
```

GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_opsibeu
GlueForeignKey: GlueCEUniqueID=test06.egi.cesga.es:8443/cream-pbs-GRID_iberibe

```
[root@cream ~]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid | grep -i  
Gluecluster  
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es  
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es  
GlueForeignKey: GlueClusterUniqueID=test06.egi.cesga.es  
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  
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,  
GlueChunkKey: GlueClusterUniqueID=my-sa2  
objectClass: GlueClusterTop
```

```
[root@cream ~]# ldapsearch -x -H ldap://test06.egi.cesga.es:2170 -b o=grid | grep -i  
Gluesubcluster  
dn: GlueSubClusterUniqueID=cesga-egi-configuration,GlueClusterUniqueID=my-sa2,  
GlueSubClusterName: my subcluster SA2 verification  
GlueSubClusterPhysicalCPUs: 2  
GlueSubClusterLogicalCPUs: 2  
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

* Installation from scratch using UMD-2 repository OK

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):

Comments for DMSU (TSA2.5):

Comments for TP: