

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

Name of the component	WMS		
Release	emi.argus.sl5.x86_64-1.5.9	RT Ticket	#3912
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Esteban Freire García	esfreire@cesga.es	
V. Hours Worked	6h		
Component status	Accepted	Date	26/09/12
Verification start date	26/09/12	Verification end date	26/09/12

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	14	0	0	14
	Specific Quality Criteria			
TP				
VLD	6	0	0	6

Summary:

emi.argus.sl5.x86_64-1.5.9 was updated without any important issue.

Quality Criteria verification cheatsheet:

Criteria	Accepted	Tested	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	https://twiki.cem.ch/twiki/bin/view/EGEE/ArgusEMIDeployment
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://twiki.cem.ch/twiki/bin/view/EMI/EMI2Final#ARGUS_v_1_5_0_task_23307
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://twiki.cem.ch/twiki/bin/view/EGEE/ArgusEMIDeployment
GENERIC_DOC_4 (Online help (man pages))		Optional	
GENERIC_DOC_5 (API Documentation)		Optional	
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	https://twiki.cem.ch/twiki/bin/view/EGEE/ArgusEMIDeployment
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://twiki.cem.ch/twiki/bin/view/EMI/ArgusSRC
GENERIC_DOC_8 (Software License)			
GENERIC_DOC_9 (Release changes text)	Y	VLD	https://twiki.cem.ch/twiki/bin/view/EMI/EMI2Final#ARGUS_v_1_5_0_task_23307
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://emisoft.web.cem.ch/emisoft/dist/EMI/2/sl5/SRPMS/base/emi-argus-1.5.0-1.sl5.src.rpm
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://emisoft.web.cem.ch/emisoft/dist/EMI/2/sl5/x86_64/base/emi-argus-1.5.0-1.sl5.x86_64.rpm
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)			
GENERIC_SOFT_2 (New features testing)	Y	VLD	Read ex summary
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control)	Y	VLD	Read ex summary
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Read ex summary
GENERIC_SERVICE_3 (Service Reliability)		Optional	
GENERIC_SERVICE_4 (Service Robustness)		Optional	
GENERIC_SERVICE_5 (Automatic Configuration)		Optional	
GENERIC_SERVICE_6 (Default Passwords)	Y	VLD	Read ex summary
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	Read ex summary
GENERIC_SEC_3 (Passwords in world)	Y	VLD	Read ex summary
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)			
AUTHENTICATION QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Read ex summary
AUTHN_IFACE_2 (SAML authentication)		Optional	
AUTHORISATION QC			
AUTHZ_MGMT_1 (Policy Listing)	Y	VLD	Read ex summary
AUTHZ_MGMT_2 (Policy Repositories)	Y	VLD	Read ex summary
AUTHZ_PCYDEF_1 ((un) Banning Policies)			
AUTHZ_PCYDEF_2 (Policy Definition files)			
AUTHZ_PCYDEF_3 (Ban User/FQAN)			
AUTHZ_PCYDEF_4 (Allowed users definitions)	Y	VLD	Read ex summary
AUTHZ_PDP_1 (XACML Interface)			
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	Read ex summary
AUTHZ_PEP_2 (User Mapping)	Y	VLD	Read ex summary
MONITORING PROBES QC			

Validator comments:

emi.argus.sl5.x86_64-1.5.9 was updated without any important issue.

== EMI.argus.sl5.x86_64-1.5.9 and EMI.trustmanager.sl5.x86_64-3.1.4 ==

* Assigned tickets, <https://rt.egi.eu/rt/Ticket/Display.html?id=3912> and <https://rt.egi.eu/guest/Ticket/Display.html?id=4261>

* EMI-ARGUS and EMI.trustmanager were updated from UMD repository without any important issue. T

{}{}

Validator comments:

emi.argus and emi.trustmanager were installed without problems, the complete list of used repositories from UMD is this:

}}}

=== Repositories ===

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

{}{}

```
[root@test10 yum.repos.d]# cat EGI-trustanchors.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(4313,-,616)
```

```
[EGI-trustanchors]
name=EGI-trustanchors
baseurl=http://admin-repo.egi.eu/sw/unverified/cas/1/50/1/current/
enabled=1
gpgcheck=1
gpgkey=http://repository.egi.eu/sw/production/cas/1/GPG-KEY-EUGridPMA-RPM-3
```

```
[root@test06 yum.repos.d]# cat EMI.argus.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3912,569,496)
```

```
[EMI.argus.sl5.x86_64]
name=EMI.argus.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.argus.sl5.x86_64/1/5/9/
enabled=1
protect=1
priority=1
```

gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi

}}}

=== Updating (OK) ===

* yum upgrade

{{{

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

Package Repository	Arch Size	Version
-----------------------	--------------	---------

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

Installing:

globus-common	x86_64	14.7-1.el5
epel	132 k	
replacing globus-openssl.x86_64 5.1-2.el5		
globus-common-devel	x86_64	14.7-1.el5
epel	64 k	
replacing globus-openssl-devel.x86_64 5.1-2.el5		
globus-common-progs	x86_64	14.7-1.el5
epel	34 k	
replacing globus-openssl-progs.x86_64 5.1-2.el5		
kernel	x86_64	2.6.18-308.13.1.el5
sl-security	21 M	
voms-api-java	noarch	2.0.8-1.el5
EMI.argus.sl5.x86_64	154 k	
replacing vomsjapi.noarch 2.0.6-1.sl5		

Updating:

argus-pap	noarch	1.5.1-1.el5
EMI.argus.sl5.x86_64	12 M	
argus-pdp	noarch	1.5.1-2.sl5
EMI.argus.sl5.x86_64	10 M	
argus-pdp-pep-common	noarch	1.3.1-1.sl5
EMI.argus.sl5.x86_64	74 k	
argus-pep-api-c	x86_64	2.1.0-3.sl5
EMI.argus.sl5.x86_64	53 k	

argus-pep-common	noarch	2.2.0-1.sl5
EMI.argus.sl5.x86_64	265 k	
argus-pep-server	noarch	1.5.1-2.sl5
EMI.argus.sl5.x86_64	11 M	
argus-pepcli	x86_64	2.1.0-2.sl5
EMI.argus.sl5.x86_64	23 k	
bind-libs	x86_64	30:9.3.6-20.P1.el5_8.4
sl-security	897 k	
bind-utils	x86_64	30:9.3.6-20.P1.el5_8.4
sl-security	180 k	
cups-libs	i386	1:1.3.7-30.el5
sl-security	200 k	
cups-libs	x86_64	1:1.3.7-30.el5
sl-security	196 k	
cvs	x86_64	1.11.22-11.el5_8.1
sl-security	738 k	
dhclient	x86_64	12:3.0.5-31.el5_8.1
sl-security	287 k	
emi-argus	x86_64	1.5.0-1.sl5
EMI.argus.sl5.x86_64	1.6 k	
emi-trustmanager	noarch	3.1.4-1.sl5
EMI.trustmanager.sl5.x86_64	277 k	
emi-trustmanager-axis	noarch	2.0.2-1.sl5
EMI.argus.sl5.x86_64	28 k	
emi-version	x86_64	2.0.0-1.sl5
EMI.argus.sl5.x86_64	2.0 k	
expat	i386	1.95.8-11.el5_8
sl-security	78 k	
expat	x86_64	1.95.8-11.el5_8
sl-security	77 k	
fetch-crl	noarch	2.8.5-1.el5
epel	24 k	
freetype	i386	2.2.1-31.el5_8.1
sl-security	313 k	
freetype	x86_64	2.2.1-31.el5_8.1
sl-security	312 k	
glibc	i686	2.5-81.el5_8.7
sl-security	5.4 M	
glibc	x86_64	2.5-81.el5_8.7
sl-security	4.8 M	
glibc-common	x86_64	2.5-81.el5_8.7
sl-security	16 M	
glite-yaim-core	noarch	5.1.0-1.sl5
EMI.argus.sl5.x86_64	118 k	
globus-callout	x86_64	2.2-1.el5
epel	17 k	
globus-callout-devel	x86_64	2.2-1.el5
epel	8.3 k	
globus-core	x86_64	8.9-1.el5
epel	47 k	

globus-gsi-callback		x86_64	4.3-1.el5
epel	42 k		
globus-gsi-callback-devel		x86_64	4.3-1.el5
epel	9.7 k		
globus-gsi-cert-utils		x86_64	8.3-1.el5
epel	20 k		
globus-gsi-cert-utils-devel		x86_64	8.3-1.el5
epel	9.6 k		
globus-gsi-cert-utils-progs		x86_64	8.3-1.el5
epel	26 k		
globus-gsi-credential		x86_64	5.3-1.el5
epel	36 k		
globus-gsi-credential-devel		x86_64	5.3-1.el5
epel	9.8 k		
globus-gsi-openssl-error		x86_64	2.1-2.el5
epel	16 k		
globus-gsi-openssl-error-devel		x86_64	2.1-2.el5
epel	7.3 k		
globus-gsi-proxy-core		x86_64	6.2-1.el5
epel	37 k		
globus-gsi-proxy-core-devel		x86_64	6.2-1.el5
epel	9.9 k		
globus-gsi-proxy-ssl		x86_64	4.1-2.el5
epel	18 k		
globus-gsi-proxy-ssl-devel		x86_64	4.1-2.el5
epel	8.7 k		
globus-gsi-sysconfig		x86_64	5.3-1.el5
epel	31 k		
globus-gsi-sysconfig-devel		x86_64	5.3-1.el5
epel	11 k		
globus-gss-assist		x86_64	8.6-1.el5
epel	35 k		
globus-gss-assist-devel		x86_64	8.6-1.el5
epel	10 k		
globus-gssapi-gsi		x86_64	10.7-1.el5
epel	62 k		
globus-gssapi-gsi-devel		x86_64	10.7-1.el5
epel	14 k		
globus-openssl-module		x86_64	3.2-1.el5
epel	14 k		
globus-openssl-module-devel		x86_64	3.2-1.el5
epel	7.4 k		
globus-proxy-utils		x86_64	5.0-2.el5
epel	45 k		
globus-usage		x86_64	3.1-2.el5
epel	17 k		
globus-usage-devel		x86_64	3.1-2.el5
epel	6.4 k		
globus-xio		x86_64	3.3-1.el5
epel	178 k		

globus-xio-devel	x86_64	3.3-1.el5
epel	49 k	
gnutls	i386	1.4.1-7.el5_8.2
sl-security	351 k	
gnutls	x86_64	1.4.1-7.el5_8.2
sl-security	365 k	
initscripts	x86_64	8.45.42-1.el5
sl-security	1.6 M	
java-1.6.0-openjdk	x86_64	1:1.6.0.0-
1.28.1.10.9.el5_8	sl-security	36 M
jdk	x86_64	2000:1.6.0_35-fcs
sl-security	56 M	
krb5-devel	x86_64	1.6.1-70.el5
sl-security	1.9 M	
krb5-libs	i386	1.6.1-70.el5
sl-security	669 k	
krb5-libs	x86_64	1.6.1-70.el5
sl-security	681 k	
krb5-workstation	x86_64	1.6.1-70.el5
sl-security	917 k	
libpng	i386	2:1.2.10-17.el5_8
sl-security	241 k	
libpng	x86_64	2:1.2.10-17.el5_8
sl-security	235 k	
libtiff	i386	3.8.2-15.el5_8
sl-security	309 k	
libtiff	x86_64	3.8.2-15.el5_8
sl-security	314 k	
libxml2	x86_64	2.6.26-2.1.15.el5_8.5
sl-security	810 k	
libxml2-python	x86_64	2.6.26-
2.1.15.el5_8.5	sl-security	714 k
myproxy	x86_64	5.8-1.el5
epel	86 k	
myproxy-admin	x86_64	5.8-1.el5
epel	55 k	
myproxy-devel	x86_64	5.8-1.el5
epel	19 k	
myproxy-doc	x86_64	5.8-1.el5
epel	50 k	
myproxy-libs	x86_64	5.8-1.el5
epel	124 k	
myproxy-server	x86_64	5.8-1.el5
epel	53 k	
nfs-utils	x86_64	1:1.0.9-60.el5
sl-security	409 k	
nscd	x86_64	2.5-81.el5_8.7
sl-security	172 k	
nspr	i386	4.9.1-4.el5_8
sl-security	121 k	

nspr	x86_64	4.9.1-4.el5_8
sl-security	120 k	
nss	i386	3.13.5-4.el5_8
sl-security	1.1 M	
nss	x86_64	3.13.5-4.el5_8
sl-security	1.1 M	
nss-tools	x86_64	3.13.5-4.el5_8
sl-security	1.1 M	
openssl	i686	0.9.8e-22.el5_8.4
sl-security	1.5 M	
openssl	x86_64	0.9.8e-22.el5_8.4
sl-security	1.5 M	
openssl-devel	x86_64	0.9.8e-22.el5_8.4
sl-security	1.9 M	
perl	x86_64	4:5.8.8-32.el5_7.6
sl-security	12 M	
popt	x86_64	1.10.2.3-28.el5_8
sl-security	78 k	
python	x86_64	2.4.3-46.el5_8.2
sl-security	59 k	
python-libs	x86_64	2.4.3-46.el5_8.2
sl-security	5.9 M	
rpm	x86_64	4.4.2.3-28.el5_8
sl-security	1.2 M	
rpm-libs	x86_64	4.4.2.3-28.el5_8
sl-security	925 k	
rpm-python	x86_64	4.4.2.3-28.el5_8
sl-security	64 k	
selinux-policy	noarch	2.4.6-316.el5_7.1
sl-security	420 k	
selinux-policy-targeted	noarch	2.4.6-316.el5_7.1
sl-security	1.3 M	
sl-release	x86_64	5.5-2
sl-security	46 k	
sos	noarch	1.7-9.62.el5
sl-security	162 k	
sudo	x86_64	1.7.2p1-14.el5_8.2
sl-security	359 k	
tzdata	x86_64	2012c-3.el5
sl-security	766 k	
tzdata-java	x86_64	2012c-3.el5
sl-security	181 k	
util-linux	x86_64	2.13-0.59.el5
sl-security	1.9 M	
vixie-cron	x86_64	4:4.1-81.el5
sl-security	83 k	
voms	x86_64	2.0.8-1.el5
epel	173 k	
voms-clients	x86_64	2.0.8-1.el5
epel	180 k	

yaim-argus_server	noarch	1.5.1-1.sl5
EMI.argus.sl5.x86_64	10 k	
yum-autoupdate	noarch	5:1.2-2.SL
sl-security	8.8 k	
Removing:		
kernel	x86_64	2.6.18-238.9.1.el5
installed	93 M	
Installing for dependencies:		
avahi	x86_64	0.6.16-10.el5_6
sl-security	257 k	
avahi-compat-libdns_sd	x86_64	0.6.16-10.el5_6
sl-security	24 k	
bdii	noarch	5.2.10-1.el5
EMI.argus.sl5.x86_64	22 k	
cups	x86_64	1:1.3.7-30.el5
sl-security	3.1 M	
expect	x86_64	5.43.0-5.1
sl-base	160 k	
glite-info-provider-service	noarch	1.8.1-2.el5
EMI.argus.sl5.x86_64	59 k	
glite-yaim-bdii	noarch	4.3.9-1.el5
EMI.argus.sl5.x86_64	10 k	
glue-schema	noarch	2.0.8-1.el5
EMI.argus.sl5.x86_64	34 k	
lcg-expiregridmapdir	noarch	3.0.1-1
EMI.argus.sl5.x86_64	6.6 k	
openldap-clients	x86_64	2.3.43-12.el5_6.7
sl-security	223 k	
openldap-servers	x86_64	2.3.43-12.el5_6.7
sl-security	2.2 M	
redhat-lsb	x86_64	3.1-12.3.EL
sl-base	21 k	

Transaction Summary

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

```
Install    17 Package(s)
Upgrade   106 Package(s)
Remove     1 Package(s)
Reinstall  0 Package(s)
Downgrade  0 Package(s)
```

```
Total download size: 229 M
}}}
```

```
* yum reinstall argus-pap argus-pdp argus-pep-server
{{{
```

```
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```

Package Repository	Arch Size	Version
Reinstalling:		
argus-pap EMI.argus.sl5.x86_64	noarch 12 M	1.5.1-1.el5
argus-pdp EMI.argus.sl5.x86_64	noarch 10 M	1.5.1-2.sl5
argus-pep-server EMI.argus.sl5.x86_64	noarch 11 M	1.5.1-2.sl5

```
=====
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```

```
Reinstalling:
argus-pap
EMI.argus.sl5.x86_64
argus-pdp
EMI.argus.sl5.x86_64
argus-pep-server
EMI.argus.sl5.x86_64
```

Transaction Summary

```
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=====
}}}
```

==== YAIM configuration Configuration =====

* Documentation about yaim variables relevant for ARGUS configuration available at:

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

* Yaim script was used for Argus , this is the content for the used site-info.def:

```
{
[root@test10 etc]# cat site-info.def
# YAIM example site configuration file - adapt it to your site!
```

```
#####
# CE configuration variables #
#####

# Argus service hostname
ARGUS_HOST=test10.egi.cesga.es
WMS_HOST=test22.egi.cesga.es
LB_HOST=test22.egi.cesga.es
BDII_HOST=topbdii02.ncg.ingrid.pt
SITE_BDII_HOST=sbdii02.ncg.ingrid.pt
##LFC_HOST=lxb7607.cern.ch
PX_HOST=my-px.$MY_DOMAIN
MON_HOST=test07.egi.cesga.es
```

YAIM_LOGGING_LEVEL=DEBUG

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

SITE_EMAIL=egee-admin@cesga.es

SITE_NAME=CESGA
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

PAP administrator DN allowed to use 'pap-admin' command
PAP_ADMIN_DN="/DC=es/DC=irisgrid/O=cesga/CN=esteban.freire"
##PAP_ADMIN_DN="/DC=es/DC=irisgrid/O=cesga/CN=javier-lopez"

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

```
#####  
# 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
"
```

```
# VOS="atlas alice lhcb cms dteam biomed"
```

```
# Space separated list of supported VOs by your site
```

```
VOS="ops dteam"
```

```
###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="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""
```

```
#:::~::~:
```

```
#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?/dtea
m/'
```

```
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.ibergrid.eu and iber.vo.ibergrid.eu VOs were included from verification VOMS server installed at LIP. (voms02.ncg.ingrid.pt)

* LB and WMS were configured at CESGA (test22.egi.cesga.es)

* TopBDII was configured for verification in topbdii02.ncg.ingrid.pt.

* After these changes it was executed yaim:

* Applying the update will stop the Argus services (PAP, PDP and PEP Server).

* You must re-configure the Argus services with YAIM. This automatically restart all the services.

```
[root@test10 etc]# /etc/init.d/argus-pap status
```

```
PAP not running!
```

```
[root@test10 etc]# /etc/init.d/argus-pdp status
```

```
Unable to connect to localhost:8153, perhaps the service is not running
```

```
[root@test10 etc]# /etc/init.d/argus-pepd status
Unable to connect to localhost:8155, perhaps the service is not running
}}}
```

* ops.vo.ibergrid.eu and iber.vo.ibergrid.eu VOs were included from verification VOMS server installed at LIP. (voms02.ncg.ingrid.pt)

* LB and WMS were configured at CESGA (test22.egi.cesga.es)

* TopBDII was configured for verification in topbdii02.ncg.ingrid.pt.

* After these changes it was executed yaim:

```
{{{
* Applying the update will stop the Argus services (PAP, PDP and PEP Server).
* You must re-configure the Argus services with YAIM. This automatically restart all
the services.
}}}
```

```
{{{
[root@test10 etc]# /etc/init.d/argus-pap status
PAP not running!
[root@test10 etc]# /etc/init.d/argus-pdp status
Unable to connect to localhost:8153, perhaps the service is not running
[root@test10 etc]# /etc/init.d/argus-pepd status
Unable to connect to localhost:8155, perhaps the service is not running
}}}
```

===== Configuring with YAIM (OK) =====

```
{{{
[root@test10 etc]# cat /etc/grid-security/hostcert.pem
Bag Attributes
    friendlyName: host/test10.egi.cesga.es's ID
    localKeyID: DF C5 F6 17 E7 B5 25 DF 82 7E 31 FE 93 77 5A E7 07 41 62 9C
subject=/DC=es/DC=irisgrid/O=cesga/CN=host/test10.egi.cesga.es
}}}
```

```
{{{
[root@test10 etc]# /opt/glite/yaim/bin/yaim -c -s site-info.def -n ARGUS_server
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: test10.egi.cesga.es
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/site-info.pre
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/glite-argus_server.pre
INFO: Using site configuration file: site-info.def
DEBUG: Sourcing site-info.def file: site-info.def
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/site-info.post
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/glite-argus_server.post
DEBUG: Sourcing /opt/glite/yaim/bin/./defaults/mapping
INFO:

```

#####

```

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

```

```

current working directory: /opt/glite/yaim/etc
site-info.def date: Sep 26 13:57 site-info.def
yaim command: -c -s site-info.def -n ARGUS_server
log file: /opt/glite/yaim/bin/./log/yaimlog
Wed Sep 26 14:01:47 CEST 2012 : /opt/glite/yaim/bin/yaim

```

```

Installed YAIM versions:
glite-yaim-argus-server 1.5.1-1
glite-yaim-bdii 4.3.9-1
glite-yaim-core 5.1.0-1

```

#####

```

INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: "Scientific Linux SL release 5.5
(Boron)"
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Resulted NODE_TYPE_LIST is : ARGUS_server
DEBUG: Setting environment variable GRID_ENV_LOCATION, to value
"/usr/libexec".
DEBUG: Unset environment variable GRID_ENV_LOCATION.
DEBUG: Setting environment variable LCG_LOCATION, to value "/usr".

```

DEBUG: Unset environment variable LCG_LOCATION.
DEBUG: Setting environment variable GLITE_LOCATION, to value "/usr".
DEBUG: Unset environment variable GLITE_LOCATION.
DEBUG: Setting environment variable GLITE_LOCATION_VAR, to value "/var".
DEBUG: Unset environment variable GLITE_LOCATION_VAR.
DEBUG: Appending value "/bin" to environment variable PATH.
DEBUG: Deleting value "/bin" from environment variable PATH.
DEBUG: Appending value "/opt/glite/share/man" to environment variable
MANPATH.
DEBUG: Deleting value "/opt/glite/share/man" from environment variable
MANPATH.
DEBUG: Sourcing node definition file: /opt/glite/yaim/bin/./node-info.d/glite-
argus_server
INFO: Executing function: config_host_certs_check
INFO: Executing function: config_edgusers_check
INFO: Executing function: config_vomsmmap_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_pap_service_check
INFO: Executing function: config_pdp_service_check
INFO: Executing function: config_pep_service_check
INFO: Executing function: config_info_glue2_service_argus_check
INFO: Executing function: config_bdii_5.2_check
DEBUG: Skipping function: config_host_certs_setenv because it is not defined
INFO: Executing function: config_host_certs
DEBUG: Skipping function: config_edgusers_setenv because it is not defined
INFO: Executing function: config_edgusers
DEBUG: Creating user edguser...
DEBUG: Skipping user edguser since it already exists...
DEBUG: Creating user edginfo...
DEBUG: Skipping user edginfo since it already exists...
DEBUG: Creating user glite...
DEBUG: Skipping user glite since it already exists...
DEBUG: Creating user edguser...
DEBUG: Skipping user edguser since it already exists...
INFO: Executing function: config_vomsmmap_setenv
DEBUG: Setting environment variable GRIDMAPDIR, to value "/etc/grid-
security/gridmapdir".
DEBUG: Unset environment variable GRIDMAPDIR.
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
DEBUG: **** VO OPS ****
DEBUG: create gridmapdir files
DEBUG: **** VO DTEAM ****
DEBUG: create gridmapdir files
INFO: Copying the /etc/grid-security/voms-grid-mapfile in the standard location
/etc/grid-security/grid-mapfile
INFO: Executing function: config_vomsdir_setenv
DEBUG: This function currently doesn't set any environment variables.

INFO: Executing function: config_vomsdir
DEBUG: .lsc file configuration for VO ops...
DEBUG: Create the /etc/grid-security/vomsdir/ops/voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=voms.cern.ch in /etc/grid-security/vomsdir/ops/voms.cern.ch.lsc
DEBUG: Create the /etc/grid-security/vomsdir/ops/lcg-voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch in /etc/grid-security/vomsdir/ops/lcg-voms.cern.ch.lsc
DEBUG: Copying the voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority in /etc/grid-security/vomsdir/ops/voms.cern.ch.lsc
DEBUG: Copying the lcg-voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority in /etc/grid-security/vomsdir/ops/lcg-voms.cern.ch.lsc
DEBUG: .lsc file configuration for VO dteam...
DEBUG: Create the /etc/grid-security/vomsdir/dteam/lcg-voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch in /etc/grid-security/vomsdir/dteam/lcg-voms.cern.ch.lsc
DEBUG: Create the /etc/grid-security/vomsdir/dteam/voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=voms.cern.ch in /etc/grid-security/vomsdir/dteam/voms.cern.ch.lsc
DEBUG: Create the /etc/grid-security/vomsdir/dteam/voms.hellasgrid.gr.lsc
DEBUG: Copying /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr in /etc/grid-security/vomsdir/dteam/voms.hellasgrid.gr.lsc
DEBUG: Create the /etc/grid-security/vomsdir/dteam/voms2.hellasgrid.gr.lsc
DEBUG: Copying /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr in /etc/grid-security/vomsdir/dteam/voms2.hellasgrid.gr.lsc
DEBUG: Copying the lcg-voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority in /etc/grid-security/vomsdir/dteam/lcg-voms.cern.ch.lsc
DEBUG: Copying the voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority in /etc/grid-security/vomsdir/dteam/voms.cern.ch.lsc
DEBUG: Copying the voms.hellasgrid.gr CA DN /C=GR/O=HellasGrid/OU=Certification Authorities/CN=HellasGrid CA 2006 in /etc/grid-security/vomsdir/dteam/voms.hellasgrid.gr.lsc
DEBUG: Copying the voms2.hellasgrid.gr CA DN /C=GR/O=HellasGrid/OU=Certification Authorities/CN=HellasGrid CA 2006 in /etc/grid-security/vomsdir/dteam/voms2.hellasgrid.gr.lsc
INFO: Executing function: config_pap_service_setenv
DEBUG: No environment setting
INFO: Executing function: config_pap_service
DEBUG: Checking whether PAP is actually installed
INFO: Stopping Argus PAP service...
PAP server is not running!
DEBUG: Making a backup copy of the configuration files
INFO: Create the Argus PAP /usr/share/argus/pap/conf/pap_configuration.ini file
DEBUG: Retrieving the DN of the host certificate
INFO: Create the Argus PAP /usr/share/argus/pap/conf/pap_authorization.ini file
INFO: Create the Argus PAP /usr/share/argus/pap/conf/pap-admin.properties file
INFO: Fixing files and directory permissions in /usr/share/argus/pap
INFO: Starting Argus PAP service...
INFO: Executing function: config_pdp_service_setenv
DEBUG: No environment setting

```

INFO: Executing function: config_pdp_service
DEBUG: Checking whether PDP is actually installed
INFO: Stopping Argus PDP service...
Unable to connect to localhost:8153, perhaps the service is not running
DEBUG: Making a backup copy of the configuration files
INFO: Create the Argus PDP /etc/argus/pdp/pdp.ini file
INFO: Fixing files and directory permissions
INFO: Register /etc/init.d/argus-pdp...
INFO: Starting Argus PDP service...
Starting argus-pdp... [ OK ]
INFO: Executing function: config_peg_service_setenv
DEBUG: No environment setting
INFO: Executing function: config_peg_service
DEBUG: Checking whether PEP is actually installed
INFO: Stopping Argus PEP Server service...
Unable to connect to localhost:8155, perhaps the service is not running
DEBUG: Making a backup copy of the configuration files
INFO: Create the Argus PEP Server /etc/argus/pepd/pepd.ini file
INFO: Fixing files and directory permissions in /usr/share/argus/pepd
INFO: Starting Argus PEP Server service...
Starting argus-pepd... [ OK ]
INFO: Executing function: config_info_glue2_service_argus_setenv
DEBUG: No environment setting
INFO: Executing function: config_info_glue2_service_argus
DEBUG: Create endpoint /etc/glite/info/service/glite-info-glue2-argus-pap.conf
DEBUG: Create endpoint /etc/glite/info/service/glite-info-glue2-argus-pdp.conf
DEBUG: Create endpoint /etc/glite/info/service/glite-info-glue2-argus-peg.conf
DEBUG: Create service /etc/glite/info/service/glite-info-glue2-service-argus.conf
DEBUG: Create the /var/lib/bdii/gip/provider in case it doesn't exist
INFO: Create the /var/lib/bdii/gip/provider/glite-info-glue2-provider-service-argus
script
DEBUG: Endpoint conf files: /etc/glite/info/service/glite-info-glue2-argus-
pap.conf,/etc/glite/info/service/glite-info-glue2-argus-
pdp.conf,/etc/glite/info/service/glite-info-glue2-argus-peg.conf
DEBUG: Service conf file: /etc/glite/info/service/glite-info-glue2-service-argus.conf
file
DEBUG: Skipping function: config_bdii_5.2_setenv because it is not defined
INFO: Executing function: config_bdii_5.2
Stopping BDII: BDII already stopped
Starting BDII slapd: [ OK ]
Starting BDII update process: [ OK ]
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated successfully.

```

```

{{{

```

```

===== After this, it is necessary to configure the CREAM-CE service to support
ARGUS =====

```

* We added to the site-info.def for the cream-Ce service the following variables, and I run YAIM configuration again on cream-CE service:

(!) I followed the information displayed on:

*

```
http://wiki.italiangrid.org/twiki/bin/view/CREAM/SystemAdministratorGuideForEMI1
#2_9_1_How_to_enable_a_certain_VO
{{{
```

```
#####
```

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

```
#####
```

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

```
USE_ARGUS=yes
```

```
# 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"
```

```
}}}
```

(!) For the directive "CREAM_PEPD_RESOURCEID", it is a URN, so I just invent the content, because link, <http://www.egee.cesga.es/test10>, does not exist, the only thing that matters is that you need to put the same content/value on this directive on the CREAM-CE that you have put in the ARGUS service, in the directive --> resource "<http://www.egee.cesga.es/test10>"

(!) Applying the known issue on the CreamCE:

```
{}  
/var/log/tomcat6/catalina.out
```

```
LifecycleException: service.getName(): "Catalina"; Protocol handler start failed:  
java.io.IOException: java.security.cert.CertificateException: No private key found.  
}}}
```

```
{{{
[root@test06 grid-security]# cp -aprX tomcat-cert.pem tomcat-cert.pem.back
[root@test06 grid-security]# cp -aprX tomcat-key.pem tomcat-key.pem.back
}}}
```

(!) Note, that is https for ARGUS_PEPD_ENDPOINTS

```
=== TESTING ===
==== Checking the main daemons (OK) =====
{{{
[root@test10 etc]# /etc/init.d/argus-pap status
PAP running!
```

```
[root@test10 etc]# /etc/init.d/argus-pdp status
service: Argus PDP version 1.4.0
start_time: 1317739219861
number_of_processors: 1
memory_usage: 23MB
total_requests: 0
total_completed_requests: 0
total_request_errors: 0
policy_load_instant: 1317739222942
current_policy: root-default-263b4700-2cfe-4ccd-aaab-9241ae00ccf0
current_policy_version: 1
```

```
[root@test10 etc]# /etc/init.d/argus-pepd status
service: Argus PEP Server version 1.4.0
start_time: 1317739227777
number_of_processors: 1
memory_usage: 22MB
total_requests: 0
total_completed_requests: 0
total_request_errors: 0
```

```
}}}
```

```
{{{
[root@test10 etc]# /usr/sbin/papctl status
PAP running!
}}}
```

```
{{{
[root@test10 etc]# pap-admin lp
```

default (local):

```
resource "http://www.egee.cesga.es/test10" {
  obligation "http://glite.org/xacml/obligation/local-environment-map" {
  }

  action ".*" {
    rule permit { pfqan="/ops/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/ops/Role=lcgadmin" }
    rule permit { pfqan="/ops/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops" }
    rule permit { pfqan="/ops/Role=pilot/Capability=NULL" }
    rule permit { pfqan="/ops/Role=pilot" }
    rule permit { pfqan="/dteam/Role=lcgadmin/Capability=NULL" }
    rule permit { pfqan="/dteam/Role=lcgadmin" }
    rule permit { pfqan="/dteam/Role=production/Capability=NULL" }
    rule permit { pfqan="/dteam/Role=production" }
    rule permit { pfqan="/dteam/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/dteam" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=VO-Admin" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-Admin/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=SW-Admin" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=Production/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=Production" }
    rule permit { pfqan="/ops.vo.ibergrid.eu/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/ops.vo.ibergrid.eu" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=VO-Admin/Capability=NULL" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=VO-Admin" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=SW-Admin/Capability=NULL" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=SW-Admin" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=Production/Capability=NULL" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=Production" }
    rule permit { pfqan="/iber.vo.ibergrid.eu/Role=NULL/Capability=NULL" }
    rule permit { pfqan="/iber.vo.ibergrid.eu" }
  }
}
}}}
```

==== Access through http (OK) ====

* Connect to <https://test10.egi.cesga.es:8150/pap/services> is working

==== Trying some tests ====

===== Submitting jobs from the an UI in Production as OPS SGM user =====

{{{

- First test with sgm Role for OPS VO (OK):

```
[esfreire@test13 ~]$ voms-proxy-info -all
subject : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez/CN=proxy
issuer  : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
identity : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
type    : proxy
strength : 1024 bits
path    : /tmp/x509up_u501
timeleft : 11:59:47
key usage : Digital Signature, Key Encipherment, Data Encipherment
=== VO ops extension information ===
VO      : ops
subject : /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
issuer  : /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch
attribute : /ops/Role=lcgadmin/Capability=NULL
attribute : /ops/NGI/Role=NULL/Capability=NULL
attribute : /ops/NGI/Portugal/Role=NULL/Capability=NULL
attribute : /ops/NGI/Spain/Role=NULL/Capability=NULL
attribute : /ops/Role=NULL/Capability=NULL
timeleft : 11:59:47
uri     : lcg-voms.cern.ch:15009
}}}
```

```
{{{
```

```
[esfreire@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es esfreire4
2012-09-27 09:37:11,832 NOTICE - Proxy with delegation id [esfreire4] succesfully
delegated to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
[esfreire@test13 ~]$ glite-ce-proxy-renew -e test06.egi.cesga.es esfreire4
2012-09-27 09:37:34,005 NOTICE - Proxy with delegation id [esfreire4] succesfully
renewed to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-
delegation]
```

```
[esfreire@test13 ~]$ glite-ce-job-submit -D esfreire4 -r test06.egi.cesga.es:8443/cream-
pbs-GRID_ops testCream1.jdl
https://test06.egi.cesga.es:8443/CREAM499635376
}}}
```

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: