

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

Name of the component			
Release	EMI.emi-wn.sl5.x86_64-2.0.1	RT Ticket	#4510
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	8		
Component status	Verified	Date	
Verification start date	13/11/12	Verification end date	14/11/12

Summary:

EMI.emi-wn.sl5.x86_64-2.0.1 was installed from scratch without any relevant issue.

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.cem.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://twiki.cem.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	https://twiki.cem.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_5 (API Documentation)	Y	VLD	https://twiki.cem.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_6 (Administrator Documentat	Y	VLD	https://twiki.cem.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://twiki.cem.ch/twiki/pub/EMI/EMIwn/EMI_WN_v_2_0_1.pdf
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)	Y	VLD	https://rt.egi.eu/rt/Ticket/Display.html?id=4510&results=ee51e9ef9b3435675800b6639b77f2e0
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://emisoft.web.cem.ch/emisoft/dist/EMI/2/sl5/SRPMS/base/emi-wn-2.0.0-1.sl5.src.rpm
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://emisoft.web.cem.ch/emisoft/dist/EMI/2/sl5/x86_64/base/emi-wn-2.0.0-1.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/out	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	

Validator comments:

== EMI.emi-wn.sl5.x86_64-2.0.1 =

=== Ticket assigned ===

* [<https://rt.egi.eu/rt/Ticket/Display.html?id=4510>]

=== Repositories ===

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

* WN repo

{{{

```
[root@test14 yum.repos.d]# cat EMI.emi-wn.sl5.x86_64.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -  
(4510,764,691)
```

```
[EMI.emi-wn.sl5.x86_64]
```

```
name=EMI.emi-wn.sl5.x86_64
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-2.emi.emi-wn.sl5.x86_64/2/0/1/
```

```
enabled=1
```

```
protect=1
```

```
priority=1
```

```
gpgcheck=1
```

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

}}}

== yum installation OK ==

== yaim configuration OK ==

{{{

```
[root@test14 etc]# /opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n  
MPI_WN -n WN -n TORQUE_client
```

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: test14.egi.cesga.es

INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def

INFO:

```
#####
```

. /!-. ')

. yA,-"-,(,m,:/) .oo. oo o ooo o. .oo

```
. / .-Y a a Y-. 8 .8' 8'8. 8 8b d'8
. / ~~/ 8' .8oo88. 8 8 8' 8
. (_/ '====' 8 .8' 8. 8 8 Y 8
. Y,-",Yy,-,./ o8o o8o o88o o8o o8o o8o
. I))_I))_)
```

current working directory: /opt/glite/yaim/etc

site-info.def date: Nov 14 11:55 /opt/glite/yaim/etc/site-info.def

yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n MPI_WN -n WN -n TORQUE_client

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

Wed Nov 14 11:56:04 CET 2012 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:

glite-yaim-clients 5.0.1-2

glite-yaim-core 5.1.0-1

glite-yaim-mpi 1.1.11-1

glite-yaim-torque-client 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/utlis

INFO: Detecting environment

INFO: Executing function: config_mpi_wn_check

INFO: Executing function: config_sysconfig_lcg_check

INFO: Executing function: config_globus_clients_check

INFO: Executing function: config_lcgenv_check

INFO: Executing function: config_users_check

INFO: Executing function: config_sw_dir_check

INFO: Executing function: config_fts_client_check

INFO: Executing function: config_amga_client_check

INFO: Executing function: config_wn_check

INFO: Executing function: config_vomsdir_check

INFO: Executing function: config_vomses_check

INFO: Executing function: config_glite_saga_check

INFO: Executing function: config_add_pool_env_check

INFO: Executing function: config_wn_info_check

INFO: Executing function: config_torque_client_check

INFO: Executing function: config_mpi_wn_setenv

INFO: Found OPENMPI at /usr/lib64/openmpi/1.4-gcc

INFO: Installed version of OPENMPI is 1.4

INFO: Setting I2G_MPI_START env variable to /usr/bin/mpi-start

INFO: Executing function: config_mpi_wn

INFO: Executing function: config_ldconf

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

INFO: Executing function: config_sysconfig_edg

INFO: Executing function: config_sysconfig_globus

INFO: Executing function: config_sysconfig_lcg

INFO: Executing function: config_crl

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

Enabling periodic fetch-crl: [OK]

INFO: Executing function: config_rfio

INFO: Executing function: config_globus_clients_setenv

INFO: Executing function: config_globus_clients

INFO: Configure the globus service - not needed in EMI

INFO: Executing function: config_lcgenv

INFO: Executing function: config_users

munge: Error: Unable to access "/var/run/munge/munge.socket.2": No such file or directory

/usr/bin/pbsnodes: Invalid credential

INFO: Executing function: config_sw_dir_setenv

INFO: Executing function: config_sw_dir

INFO: Executing function: config_fts_client

INFO: Executing function: config_amga_client_setenv

INFO: Executing function: config_amga_client

INFO: Executing function: config_wn_setenv

INFO: Executing function: config_wn

INFO: Executing function: config_vomsdir_setenv

INFO: Executing function: config_vomsdir

INFO: Executing function: config_vomses

INFO: Executing function: config_glite_saga_setenv

INFO: Executing function: config_glite_saga

INFO: Executing function: config_add_pool_env_setenv

INFO: Executing function: config_add_pool_env

INFO: Executing function: config_wn_info

WARNING: No subcluster has been defined for the WN in the WN_LIST file
/opt/glite/yaim/etc/wn-list.conf

WARNING: YAIM will use the default subcluster id: CE_HOST ->
test06.egi.cesga.es

INFO: Executing function: config_torque_client

WARNING: Could not establish connection with the BATCH_SERVER, please
verify!

Starting MUNGE: [OK]

INFO: starting pbs_mom...

Shutting down TORQUE Mom: pbs_mom already stopped [OK]

Starting TORQUE Mom: [OK]

INFO: Configuration Complete. [OK]

INFO: YAIM terminated succesfully.

}}}

== Checking if ssh works in bidirectional sense ==

* From WN to CE (OK)

{{{

[root@test14 ~]# su - dteam004

[dteam004@test14 ~]\$ ssh test06.egi.cesga.es

[dteam004@test06 ~]\$

}}}

* From WN to WN

```
{{{
```

```
[dteam004@test14 ~]$ ssh test15.egi.cesga.es
```

```
Warning: Permanently added the RSA host key for IP address '193.144.35.53' to the list of known hosts.
```

```
[dteam004@test15 ~]$
```

```
}}}
```

```
* Checking the environment on the WNs
```

```
{{{
```

```
[dteam014@test14 ~]$ env
```

```
MANPATH=/opt/glite/share/man::
```

```
HOSTNAME=test14.egi.cesga.es
```

```
GRID_ENV_LOCATION=/usr/libexec
```

```
SHELL=/bin/bash
```

```
TERM=xterm
```

```
HISTSIZE=1000
```

```
MPI_OPENMPI_PATH=/usr/lib64/openmpi/1.4-gcc
```

```
MPI_SSH_HOST_BASED_AUTH=yes
```

```
VO_OPS_DEFAULT_SE=test08.egi.cesga.es
```

```
DPM_HOST=test08.egi.cesga.es
```

```
GT_PROXY_MODE=old
```

```
USER=dteam014
```

```
LS_COLORS=no=00:fi=00:di=00;34:ln=00;36:pi=40;33:so=00;35:bd=40;33;01:cd=40;33;01:or=01;05;37;41:mi=01;05;37;41:ex=00;32:*.cmd=00;32:*.exe=00;32:*.com=00;32:*.btm=00;32:*.bat=00;32:*.sh=00;32:*.csh=00;32:*.tar=00;31:*.tgz=00;31:*.arj=00;31:*.taz=00;31:*.lzh=00;31:*.zip=00;31:*.z=00;31:*.Z=00;31:*.gz=00;31:*.bz2=00;31:*.bz=00;31:*.tz=00;31:*.rpm=00;31:*.cpio=00;31:*.jpg=00;35:*.gif=00;35:*.bmp=00;35:*.xpm=00;35:*.xpm=00;35:*.png=00;35:*.tif=00;35:
```

LCG_LOCATION=/usr
VO_DTEAM_SW_DIR=/opt/exp_soft/dteam
VO_IBER_VO_IBERGRID_EU_DEFAULT_SE=test08.egi.cesga.es
VO_OPS_SW_DIR=/opt/exp_soft/ops
MAIL=/var/spool/mail/dteam014
PATH=/usr/kerberos/bin:/bin:/usr/local/bin:/usr/bin:/home/dteam014/bin
DPNS_HOST=test08.egi.cesga.es
VO_OPS_VO_IBERGRID_EU_SW_DIR=/opt/exp_soft/opsibeu
MPI_OPENMPI_VERSION=1.4
VO_DTEAM_DEFAULT_SE=test08.egi.cesga.es
INPUTRC=/etc/inputrc
PWD=/home/dteam014
SITE_GIIS_URL=sbdii02.ncg.ingrid.pt
LANG=en_US.UTF-8
MPI_DEFAULT_FLAVOUR=openmpi
MYPROXY_SERVER=myproxy.egi.cesga.es
GLITE_LOCATION_VAR=/var
SHLVL=1
HOME=/home/dteam014
GLITE_ENV_SET=TRUE
LCG_GFAL_INFOSYS=topbdii02.ncg.ingrid.pt:2170
VO_IBER_VO_IBERGRID_EU_SW_DIR=/opt/exp_soft/iberibeu
LOGNAME=dteam014
I2G_MPI_START=/usr/bin/mpi-start
LESSOPEN=|/usr/bin/lesspipe.sh %s

```
GLITE_LOCATION=/usr
```

```
VO_OPS_VO_IBERGRID_EU_DEFAULT_SE=test08.egi.cesga.es
```

```
SITE_NAME=CESGA-EGEE
```

```
G_BROKEN_FILENAMES=1
```

```
_=/bin/env
```

```
}}}
```

```
== Submitting a job (OK) ==
```

```
{}}
```

```
[esfreire@test13 ~]$ voms-proxy-init --voms ops:/ops/Role=lcgadmin
```

```
Enter GRID pass phrase:
```

```
Your identity: /DC=es/DC=irisgrid/O=cesga/CN=javier-lopez
```

```
Creating temporary proxy ..... Done
```

```
Contacting lcg-voms.cern.ch:15009 [/DC=ch/DC=cern/OU=computers/CN=lcg-  
voms.cern.ch] "ops" Done
```

```
Creating
```

```
proxy .....  
Done
```

```
Your proxy is valid until Thu Nov 15 00:13:45 2012
```

```
[esfreire@test13 ~]$ glite-ce-delegate-proxy -e test06.egi.cesga.es esfreire
```

```
2012-11-14 12:13:59,972 NOTICE - Proxy with delegation id [esfreire] 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 esfreire
```

2012-11-14 12:14:11,888 NOTICE - Proxy with delegation id [esfreire] succesfully renewed to endpoint [https://test06.egi.cesga.es:8443//ce-cream/services/gridsite-delegation]

```
}}}
```

```
{{{
```

```
[esfreire@test13 ~]$ cat check_bug.jdl
```

```
[
```

```
Executable    = "hola.sh";
```

```
StdOutput     = "esfreire.out";
```

```
StdError      = "esfreire.err";
```

```
InputSandbox  = {"hola.sh"};
```

```
OutputSandbox = {"esfreire.out","esfreire.err"};
```

```
SANDBOX_TRANSFER_METHOD="LRMS";
```

```
OutputSandboxBaseDestUri = "gsiftp://se2.egi.cesga.es/tmp";
```

```
]
```

```
[esfreire@test13 ~]$ cat hola.sh
```

```
#!/bin/bash
```

```
##sleep 60
```

```
hostname
```

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

```
https://test06.egi.cesga.es:8443/CREAM559966943
```

```
[esfreire@test13 ~]$ glite-ce-job-status  
https://test06.egi.cesga.es:8443/CREAM559966943
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM559966943]
```

```
    Status    = [DONE-OK]
```

```
    ExitCode  = [0]
```

```
[root@se2 tmp]# cat esfreire.err
```

```
[root@se2 tmp]# cat esfreire.out
```

```
test14.egi.cesga.es
```

```
}}}
```

```
* Dependencies added correctly on:
```

```
{{{{
```

```
    openldap-clients python-ldap glite-lb-client-progs perl-dpm perl-lfc dpm-devel lfc-  
devel
```

```
    32b clients for DPM, LFC, GFAL/lcg_util
```

```
}}}
```

Not applicable Quality Criteria

Specific Functional Tests to be repeated in SR:

Test number	Description	Motivation

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

Test number	Description	Motivation

Comments for UMD QC definition (TSA2.2):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

EMI.emi-wn.sl5.x86_64-2.0.1 was installed from scratch without any relevant issue.

Comments for DMSU (TSA2.5):

Comments for TP: