

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

Name of the component	AMGA		
Release	2.3.0	RT Ticket	3881
Software Provider	EMI		
Release Contact	Name:	E-Mail	
Validator	Name: Giuseppe La Rocca	E-Mail giuseppe.larocca@ct.infn.it	
V. Hours Worked			
Component status	<b>Accepted</b>	Date	
Verification start date	04-10-2012	Verification end date	05-10-2012

**Summary:**  
emi.amga.sl6.x86\_64-2.3.0 was successfully installed from UMD repository without any problems.

**GGUS Tickets:** [https://ggus.eu/tech/ticket\\_show.php?ticket=73857](https://ggus.eu/tech/ticket_show.php?ticket=73857)

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	9	1		10
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	2			2

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
<b>DOCUMENTATION QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="http://www.eu-emi.eu/emi-2-matterhorn-products/-/asset_publisher/B4">http://www.eu-emi.eu/emi-2-matterhorn-products/-/asset_publisher/B4</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf</a>
GENERIC_DOC_4 (Online help (man pages))	Optional		
GENERIC_DOC_5 (API Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf</a>
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf</a>
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf">https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-manual_2_3_0.pdf</a>
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)			
<b>SOFTWARE DISTRIBUTION QC</b>			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
<b>SOFTWARE FEATURES QC</b>			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	Not backward compatible, new major version
GENERIC_SOFT_2 (New features testing)			
<b>SERVICE CRITERIA QC</b>			
GENERIC_SERVICE_1 (Service control and status)	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 Configuration)	N	VLD	Configuration instructions given in the admin manual
GENERIC_SERVICE_6 (Default Password Configuration)			
<b>SECURITY QC</b>			
GENERIC_SEC_1 (World Writable Files)			not verified
GENERIC_SEC_3 (Passwords in world readable files)			not verified
<b>MISCELLANEOUS QC</b>			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	cern savannah
<b>AUTHENTICATION QC</b>			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_IFACE_2 (SAML authentication)	Optional		
<b>METADATA CATALOGUE QC</b>			
METADATA_AMGA_API_1 (AMGA Soap Interface)			
METADATA_AMGA_API_2 (AMGA Streaming Interface)			
METADATA_AMGA_FUNC_1 (AMGA Streaming Interface)			
METADATA_AMGA_FUNC_2 (Entry Management)			
METADATA_AMGA_FUNC_3 (Attribute Management)			
METADATA_AMGA_FUNC_4 (Metadata Queries)	Y	VLD	
METADATA_AMGA_FUNC_5 (Attribute Management)			
<b>MONITORING PROBES QC</b>			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
<b>CLIENT TOOLS QC</b>			
CLIENT_TOOLS_1 (Command lineOptions coherency)	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

## Quality Criteria verification cheatsheet:

<Insert filled excel cheatsheet>

## Validator comments:

emi.amga.sl6.x86\_64-2.3.0 was successfully installed from UMD repository without any problems.

## - **CONFIGURING Repositories**

The complete list of used repository from UMD is the following:

```
-rw-r--r--. 1 root root 200 Nov 8 2011 egi-trustanchors.repo
-rw-r--r--. 1 root root 253 May 16 18:08 emi2-base.repo
-rw-r--r--. 1 root root 264 May 16 18:08 emi2-contribs.repo
-rw-r--r--. 1 root root 273 May 16 18:08 emi2-third-party.repo
-rw-r--r--. 1 root root 262 May 16 18:08 emi2-updates.repo
-rw-r--r--. 1 root root 326 Jun 1 11:26 EMI.amga.sl6.x86_64.repo
-rw-r--r--. 1 root root 2093 Jul 27 2011 sl-other.repo
-rw-r--r--. 1 root root 1767 Jul 26 22:15 sl.repo
```

```
$ cat egi-trustanchors.repo
```

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

```
$ cat emi2-base.repo
```

```
[EMI-2-base]
name=EMI 2 base
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl6/$basearch/base
protect=1
enabled=1
# To use priorities you must have yum-priorities installed
priority=40
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-emi
```

```
$ cat emi2-contribs.repo
```

```
[EMI-2-contribs]
name=EMI 2 contribs
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl6/$basearch/contribs
protect=1
enabled=1
# To use priorities you must have yum-priorities installed
priority=40
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-emi
```

```
$ cat emi2-third-party.repo
```

```
[EMI-2-third-party]
name=EMI 2 third-party
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl6/$basearch/third-party
protect=1
enabled=1
# To use priorities you must have yum-priorities installed
```

```
priority=40
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-emi
```

### **\$ cat emi2-updates.repo**

```
[EMI-2-updates]
name=EMI 2 updates
baseurl=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl6/$basearch/updates
protect=1
enabled=1
# To use priorities you must have yum-priorities installed
priority=40
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-emi
```

### **\$ cat EMI.amga.sl6.x86\_64.repo**

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3881,538,465)
```

```
[EMI.amga.sl6.x86_64]
name=EMI.amga.sl6.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.amga.sl6.x86_64/2/3/0/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi
```

### **- INSTALLING Yum Packages**

```
$ yum install -y yum-priorities yum-protectbase
```

### **- INSTALING Amga Dependencies**

```
$ yum install -y editline libtool-ltdl postgresql-libs postgresql-odbc unixODBC boost
```

### **- INSTALLING Amga Server**

```
$ wget http://admin-repo.egi.eu/sw/unverified/emi.amga.sl6.x86\_64/2/3/0/emi.amga.amga-server-2.3.0-1.sl6.x86\_64.rpm
```

```
$ rpm -ivh emi.amga.amga-server-2.3.0-1.sl6.x86_64.rpm
```

### **- INSTALLING host certificates & ca\_policy-egi-core**

```
$ yum install -y ca-policy-egi-core
```

```
$ ll /etc/grid-security/
drwxr-xr-x. 2 root root 45056 Oct  3 17:00 certificates
-rw-r--r--. 1 root root 1424 Oct  3 15:31 hostcert.pem
```

-r----- . 1 root root 916 Oct 3 15:31 hostkey.pem

- **STARTING AMGA**

\$ /etc/init.d/mdservice init

GLITE\_LOCATION not set, assuming /usr

GLITE\_LOCATION\_VAR not set, assuming /var

GLITE\_LOCATION\_ETC not set, assuming /etc

Loaded plugins: priorities, protectbase, security

7 packages excluded due to repository priority protections

0 packages excluded due to repository protections

Setting up Install Process

Resolving Dependencies

--> Running transaction check

---> Package postgresql-server.x86\_64 0:8.4.13-1.el6\_3 will be installed

--> Processing Dependency: postgresql(x86-64) = 8.4.13-1.el6\_3 for package:

postgresql-server-8.4.13-1.el6\_3.x86\_64

--> Running transaction check

---> Package postgresql.x86\_64 0:8.4.13-1.el6\_3 will be installed

--> Finished Dependency Resolution

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
postgresql-server	x86_64	8.4.13-1.el6_3	sl-security	3.4 M
Installing for dependencies:				
postgresql	x86_64	8.4.13-1.el6_3	sl-security	2.8 M

Transaction Summary

Install 2 Package(s)

Total download size: 6.2 M

Installed size: 29 M

Downloading Packages:

(1/2): postgresql-8.4.13-1.el6\_3.x86\_64.rpm | 2.8 MB 00:03

(2/2): postgresql-server-8.4.13-1.el6\_3.x86\_64.rpm | 3.4 MB 00:02

-----  
Total 1.0 MB/s | 6.2 MB 00:06

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Warning: RPMDB altered outside of yum.

```
Installing : postgresql-8.4.13-1.el6_3.x86_64          1/2
Installing : postgresql-server-8.4.13-1.el6_3.x86_64   2/2
Verifying  : postgresql-server-8.4.13-1.el6_3.x86_64   1/2
Verifying  : postgresql-8.4.13-1.el6_3.x86_64         2/2
Installed: postgresql-server.x86_64 0:8.4.13-1.el6_3
```

Dependency Installed: postgresql.x86\_64 0:8.4.13-1.el6\_3

Complete!Init postgresQL for 8.4 version or Higher

Initializing database: [ OK ]

restarting postgresql

Stopping postgresql service: [ OK ]

Starting postgresql service: [ OK ]

restarting postgresql

Stopping postgresql service: [ OK ]

Starting postgresql service: [ OK ]

could not change directory to "/root"could not change directory to "/root"

Initializing AMGA : [ OK ]

#### - STARTING & STOPPING AMGA

```
$ /etc/init.d/mdservice stop
```

GLITE\_LOCATION not set, assuming /usr

GLITE\_LOCATION\_VAR not set, assuming /var

GLITE\_LOCATION\_ETC not set, assuming /etc

Stopping amgad: [ OK ]

```
$ /etc/init.d/mdservice start
```

GLITE\_LOCATION not set, assuming /usr

GLITE\_LOCATION\_VAR not set, assuming /varGLITE\_LOCATION\_ETC not set,  
assuming /etc

Tue Sep 4 08:42:13 2012 WARNING: Using default password for DB connection with  
user arda

Tue Sep 4 08:42:13 2012

```
$ /etc/init.d/mdservice status
```

GLITE\_LOCATION not set, assuming /usr

GLITE\_LOCATION\_VAR not set, assuming /var

GLITE\_LOCATION\_ETC not set, assuming /etc

amgad (pid 3001) is running...

#### - DAEMON

```
$ ps auxwww | grep -i amga
```

```
root 1307 0.2 0.4 120708 4388 ? Ss 16:50 0:00 /usr/bin/amgad -  
c/etc/amgad.config -D -l/var/log/amgad.log
```

```
root 1310 0.0 0.3 121772 3664 ? S 16:50 0:00 /usr/bin/amgad -
c/etc/amgad.config -D -l/var/log/amgad.log
```

```
root 1311 0.0 0.3 121772 3664 ? S 16:50 0:00 /usr/bin/amgad -
c/etc/amgad.config -D -l/var/log/amgad.log
```

- **CREATING a script for the Site-BDII**

```
$ /etc/init.d/mdservice site test
GLITE_LOCATION not set, assuming /usr
GLITE_LOCATION_VAR not set, assuming /var
GLITE_LOCATION_ETC not set, assuming /etc
```

```
This option will create a script for Site BDII.
The script uses glite-info-provider-service.
Need glite-info-provider-service.
It will execute yum -y install glite-info-provider-service.
Do you want to install this package using yum? (Y/N)
Y
Loaded plugins: priorities, protectbase, security
7 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package glite-info-provider-service.noarch 0:1.9.0-5.el6 will be installed-->
Finished Dependency Resolution
```

Dependencies Resolved

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

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

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

```
Installing:
glite-info-provider-service noarch 1.9.0-5.el6 EMI-2-updates 61 k
```

Transaction Summary

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

Install 1 Package(s)

```
Total download size: 61 k
Installed size: 301 k
Downloading Packages:
glite-info-provider-service-1.9.0-5.el6.noarch.rpm | 61 kB 00:00
Running rpm_check_debug
Running Transaction Test
```

Transaction Test Succeeded

Running Transaction Installing : glite-info-provider-service-1.9.0-5.el6.noarch  
1/1 Verifying : glite-info-provider-service-1.9.0-5.el6.noarch  
1/1 Installed: glite-info-provider-service.noarch 0:1.9.0-5.el6

Complete!

There is no BDII.

Script will be created in your home directory

Script regist Success(/root/glite-data-metadata-amga) : [ OK ]

```
$ cat /root/glite-data-metadata-amga
```

```
#!/bin/sh
```

```
/usr/bin/glite-info-glue2-simple /etc/glite/info/service/glite-info-glue2-amga.conf test
```

```
$ /usr/bin/glite-info-glue2-simple /etc/glite/info/service/glite-info-glue2-amga.conf test  
dn:
```

```
GLUE2ServiceID=vm03.ct.infn.it_amga_4136553197,GLUE2GroupID=resource,o=gl  
ueobjectClass: GLUE2Service
```

```
GLUE2ServiceID: vm03.ct.infn.it_amga_4136553197
```

```
GLUE2EntityCreationTime: 2012-10-03T15:10:57Z
```

```
GLUE2EntityValidity: 3600
```

```
GLUE2EntityName: test-AMGA
```

```
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-  
serviceGLUE2EntityOtherInfo: InfoProviderVersion=1.1
```

```
GLUE2EntityOtherInfo: InfoProviderHost=vm03.ct.infn.itGLUE2ServiceCapability:  
data.access.relational
```

```
GLUE2ServiceType: org.glite.AMGA
```

```
GLUE2ServiceQualityLevel: production
```

```
GLUE2ServiceComplexity: endpointType=1, share=0,
```

```
resource=0GLUE2ServiceAdminDomainForeignKey: test
```

```
dn:
```

```
GLUE2EndpointID=vm03.ct.infn.it_amga_4136553197_org.glite.AMGA_4136553197  
,GLUE2ServiceID=vm03.ct.infn.it_amga_4136553197,GLUE2GroupID=resource,o=gl  
ue
```

```
objectClass: GLUE2Endpoint
```

```
GLUE2EndpointID: vm03.ct.infn.it_amga_4136553197_org.glite.AMGA_4136553197
```

```
GLUE2EntityCreationTime: 2012-10-03T15:10:57Z
```

```
GLUE2EntityValidity: 3600
```

```
GLUE2EntityName: AMGA endpoint for Service vm03.ct.infn.it_amga_4136553197
```

```
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint
```

```
GLUE2EntityOtherInfo: InfoProviderVersion=1.2
```

```
GLUE2EntityOtherInfo: InfoProviderHost=vm03.ct.infn.it
```

```
GLUE2EndpointURL: amga://vm03.ct.infn.it:8822/
```

```
GLUE2EndpointCapability: data.access.relational
```

```
GLUE2EndpointInterfaceName: org.glite.AMGA
```

```
GLUE2EndpointInterfaceVersion: 2.0.0
```

```
GLUE2EndpointSemantics: https://twiki.cern.ch/twiki/pub/EMI/AMGA/amga-  
manual.pdf
```

```
GLUE2EndpointImplementor: gLite
```



GLUE2EndpointImplementationName: AMGA  
GLUE2EndpointImplementationVersion: package emi.amga.server is not installed  
GLUE2EndpointQualityLevel: production  
GLUE2EndpointHealthState: okGLUE2EndpointHealthStateInfo: GLITE\_LOCATION  
not set, assuming /usr GLITE\_LOCATION\_VAR not set, assuming /var  
GLITE\_LOCATION\_ETC not set, assuming /etc amgad is running...  
GLUE2EndpointServingState: production  
GLUE2EndpointStartTime: 2012-10-03T15:09:11Z  
GLUE2EndpointIssuerCA: /C=IT/O=INFN/CN=INFN CA  
GLUE2EndpointTrustedCA: IGTF  
GLUE2EndpointDownTimeInfo: See the GOC DB for downtimes: <https://goc.egi.eu/>  
GLUE2EndpointServiceForeignKey: vm03.ct.infn.it\_amga\_4136553197  
dn:  
GLUE2PolicyID=vm03.ct.infn.it\_amga\_4136553197\_org.glite.AMGA\_4136553197\_P  
olicy,GLUE2EndpointID=vm03.ct.infn.it\_amga\_4136553197\_org.glite.AMGA\_41365  
53197,GLUE2ServiceID=vm03.ct.infn.it\_amga\_4136553197,GLUE2GroupID=resourc  
e,o=glue  
objectClass: GLUE2Policy  
objectClass: GLUE2AccessPolicy  
GLUE2PolicyID:  
vm03.ct.infn.it\_amga\_4136553197\_org.glite.AMGA\_4136553197\_Policy  
GLUE2EntityCreationTime: 2012-10-03T15:10:57Z  
GLUE2EntityValidity: 3600  
GLUE2EntityName: Access control rules for Endpoint  
vm03.ct.infn.it\_amga\_4136553197\_org.glite.AMGA\_4136553197  
GLUE2EntityOtherInfo: InfoProviderName=glite-info-glue2-endpoint  
GLUE2EntityOtherInfo: InfoProviderVersion=1.2  
GLUE2EntityOtherInfo: InfoProviderHost=vm03.ct.infn.it  
GLUE2PolicyScheme: org.glite.standard  
GLUE2PolicyRule: VO:gilda  
GLUE2PolicyUserDomainForeignKey: gilda  
GLUE2AccessPolicyEndpointForeignKey:  
vm03.ct.infn.it\_amga\_4136553197\_org.glite.AMGA\_4136553197

#### - **ENABLING SSL connections with the AMGA server**

Edit the /etc/amgad.config file and change these settings:

```
# Secure Connections
UseSSL = 1

# Authentication options
RequireAuthentication = 0 # If this is off, no authentication is done!
AllowCertificateAuthentication = 1
AllowPasswordAuthentication = 1# If you use SSL, you need to load server certificates:
CertFile = /etc/grid-security/hostcert.pem
KeyFile = /etc/grid-security/hostkey.pem
# If Certificate based authentication allowed, you need to load server certs
TrustedCertDir = /etc/grid-security/certificates
AllowGridProxyLogin = 1      # Requires also AllowCertificateAuthentication
```

```
# Directory to search CRL (Certificate Revocation List)
CRLDir = /etc/grid-security/certificates
```

```
VirtualOrganizations = infngrid(infngrid) # vo1(defaultUser1), vo2,
vo3(defaultUser2)...
```

Restart the daemon:

```
$ /etc/init.d/mdservice restart
```

## - **CONFIGURING the AMGA client**

In one UI, configure the .mdclient.config file as follows:

```
# Connection options
Host = vm03.ct.infn.it
Port = 8822
```

```
# User settings
Login = NULL
PermissionMask = rw-
GroupMask = r--
Home = /
```

```
#Name=
```

```
# Security options
```

```
UseSSL = require # Values: require, try, no. If off, all options below are ignored
```

```
AuthenticateWithCertificate = 1 # Use certificate to authenticate
```

```
# Certificates used for authentication: ... either normal certs
```

```
#CertFile=/home/koblitz/.globus/usercert.pem
```

```
#KeyFile=/home/koblitz/.globus/userkey.pem
```

```
# ... or a grid proxy certificate
```

```
UseGridProxy = 1
```

```
# Use password instead of certificate to authenticate
```

```
# Password = secret
```

```
#VerifyServerCert = 1
```

```
# If server certificates are verified, CA certificates need to be loaded:
```

```
TrustedCertDir = /etc/grid-security/certificates
```

```
# RequireDataEncryption = 0
```

## - **TESTING**

```
$ mdclient
```

```
Connecting to vm03.ct.infn.it:8822...
```

```
ARDA Metadata Server
```

```
Query> whoami
```

```
>> infngrid
```

- **SERVER Log**

```
$ tail -f /var/log/amgad.log
```

```
[..]
```

```
Thu Oct 4 11:38:48 2012 Connection caching done in shared memory
```

```
Thu Oct 4 11:38:48 2012 Allowing grid proxy authentication
```

```
Thu Oct 4 11:38:48 2012 ERROR: Could not add CRL directory : /etc/grid-  
security/certificates
```

```
Thu Oct 4 11:38:48 2012 SSL error queue:
```

```
Thu Oct 4 11:38:48 2012 Enabled checking of Certificate Revocation Lists
```

```
Thu Oct 4 11:38:48 2012 Listening on port: 8822
```

```
Thu Oct 4 11:38:48 2012 Starting up slaves
```

```
Thu Oct 4 11:39:07 2012 Saving SSL session
```

```
08df66dbacdada19dd385fd5056d4a0e337d94f35ffd9a96217a78cdb4bc9fb3
```

```
Thu Oct 4 11:39:07 2012 Authentication succeeded for 'C = IT, O = INFN, OU =  
Personal Certificate, L = Catania, CN = Giuseppe La Rocca': user infngrid in VO  
'infngrid' with groups '/infngrid'
```

```
Thu Oct 4 11:39:07 2012 Before readLine
```

```
Thu Oct 4 11:39:07 2012 infngrid> pwd
```

```
Thu Oct 4 11:39:07 2012 Before readLine
```

```
Thu Oct 4 11:39:07 2012 infngrid> help commands
```

```
Thu Oct 4 11:39:07 2012 Before readLine
```

```
Thu Oct 4 11:39:17 2012 infngrid> whoami
```

```
Thu Oct 4 11:39:17 2012 Before readLine
```

**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):**

On the AMGA log file /var/log/amgad.log there is the following ERROR message:

[..]

Thu Oct 4 11:38:48 2012 ERROR: Could not add CRL directory : /etc/grid-security/certificates

**Comments for DMSU (TSA2.5):**

**Comments for TP:**