

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

Name of the component	ige.globus-default-security.sl5.x86 64-5.2.1		
Release	V5.2.1	RT Ticket	#4075
Software Provider	IGE		
Release Contact	Name:	E-Mail	
	Mattias Ellert	mattias.ellert@fysast.uu.se	
Validator	Name:	E-Mail	
	Esteban Freire	esfreire@cesga.es	
V. Hours Worked	2h		
Component status	Accepted	Date	19/07/12
Verification start date	19/07/12	Verification end date	19/07/12

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	14	0	2	16
	Specific Quality Criteria			
TP				
VLD	4	0	5	9

Summary:

No issues found during the verification process.

Criteria	Accepted (Y)	Tested (T)	Comments
Generic QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	http://globus.org.eu/toolkit/docs/5.2/5.2.1/gsic/admin/
GENERIC_DOC_2 (Release Notes)	Y	VLD	http://globus.org.eu/toolkit/docs/5.2/5.2.1/gsic/m/#gsicRN
GENERIC_DOC_5 (API Documentation)	Y	VLD	http://globus.org.eu/toolkit/docs/5.2/5.2.1/gsic/pi/#gsicPI
GENERIC_DOC_6 (Administrator Document)	Y	VLD	http://globus.org.eu/toolkit/docs/5.2/5.2.1/gsic/admin/
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	http://globus.org.eu/toolkit/docs/5.2/5.2.1/gsic/developer/#gsicDeveloper
GENERIC_DOC_8 (Software License)	Y	VLD	GPL http://www.globus.org/toolkit/docs/4.2/4.2.1/licenses/license-v3.htm
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	
GENERIC_DIST_2 (Source Distribution)	Y	VLD	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
GENERIC_SERVICE_1 (Service control and monitoring)	NA		
GENERIC_SERVICE_2 (Log Files)	NA		
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	
GENERIC_SERVICE_4 (Service Robustness)	Y	VLD	
GENERIC_SERVICE_4 (Automatic Configuration)	Y	VLD	
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_2 (Directory Traversal Attacks)	Optional		
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	GGUS
Security Capabilities QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_IFACE_2 (SAML authentication)	Optional		
AUTHZ_PCYDEF_3 (Ban UserFQAN)	Y	VLD	
AUTHZ_PCYDEF_4 (Allowed users definitions)	Y	VLD	
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	
CREDMGMT_IFACE_1 (Credential Storage)	NA	VLD	
CREDMGMT_IFACE_2 (Credential Retrieval)	NA	VLD	
CREDMGMT_IFACE_3 (Credential Renewal)	NA	VLD	
CREDMGMT_LINK_1 (Institutional Authentication)	NA	VLD	
Operations Capabilities QC			
MON_PROBE_GENERIC_2 (Service Probes)	NA		

Validator comments:

== ige.globus-default-security.sl5.x86_64-5.2.1 ==
 === Ticket assigned ===

* [[<https://rt.egi.eu/rt/Ticket/Display.html?id=4075>]]

* Open ticket:

* [[]]

=== Repositories ===

== Installing the repository (OK) ==

{{{

```
[root@test26 yum.repos.d]# cat IGE.globus-default-security.sl5.x86_64.repo
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) - (4075,649,575)
```

```
[IGE.globus-default-security.sl5.x86_64]
```

```
name=IGE.globus-default-security.sl5.x86_64
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/umd-2.ige.globus-default-security.sl5.x86_64/5/2/1/
```

```
enabled=1
```

```
protect=1
```

```
priority=1
gpgcheck=1
gpgkey=http://repo-rpm.ige-project.eu/RPM-GPG-KEY-IGE
}}
```

```
{{
```

```
[root@test26 yum.repos.d]# yum install ige-meta-globus-default-security
```

```
[ .... ]
```

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

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

```
Installing:
```

```
ige-meta-globus-default-security          noarch          2.1-1.el5
IGE.globus-default-security.sl5.x86_64    x86_64          4.3 k
```

```
Installing for dependencies:
```

autoconf	noarch	2.59-12
sl-base	648 k	
automake	noarch	1.9.6-2.3.el5
sl-base	476 k	
elfutils	x86_64	0.137-3.el5
sl-base	216 k	
elfutils-libs	x86_64	0.137-3.el5
sl-base	182 k	
globus-authz	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	14 k	
globus-authz-callout-error	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	11 k	
globus-authz-callout-error-devel	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	6.1 k	
globus-authz-callout-error-doc	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	66 k	
globus-authz-devel	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	5.6 k	
globus-authz-doc	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	76 k	
globus-callout-doc	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	101 k	
globus-common-doc	x86_64	14.6-1.el5
IGE.globus-default-security.sl5.x86_64	357 k	
globus-gridmap-callout-error-devel	x86_64	1.2-2.el5
IGE.globus-default-security.sl5.x86_64	6.0 k	
globus-gridmap-callout-error-doc	x86_64	1.2-2.el5
IGE.globus-default-security.sl5.x86_64	78 k	
globus-gsi-callback-doc	x86_64	4.2-1.el5
IGE.globus-default-security.sl5.x86_64	122 k	

globus-gsi-cert-utils-doc	x86_64	8.3-1.el5
IGE.globus-default-security.sl5.x86_64	101 k	
globus-gsi-credential-doc	x86_64	5.3-1.el5
IGE.globus-default-security.sl5.x86_64	136 k	
globus-gsi-openssl-error-doc	x86_64	2.1-2.el5
IGE.globus-default-security.sl5.x86_64	122 k	
globus-gsi-proxy-core-doc	x86_64	6.2-1.el5
IGE.globus-default-security.sl5.x86_64	140 k	
globus-gsi-proxy-ssl-doc	x86_64	4.1-2.el5
IGE.globus-default-security.sl5.x86_64	103 k	
globus-gsi-sysconfig-doc	x86_64	5.2-1.el5
IGE.globus-default-security.sl5.x86_64	160 k	
globus-gss-assist-doc	x86_64	8.5-1.el5
IGE.globus-default-security.sl5.x86_64	154 k	
globus-gss-assist-progs	x86_64	8.5-1.el5
IGE.globus-default-security.sl5.x86_64	19 k	
globus-gssapi-error-devel	x86_64	4.1-2.el5
IGE.globus-default-security.sl5.x86_64	7.1 k	
globus-gssapi-error-doc	x86_64	4.1-2.el5
IGE.globus-default-security.sl5.x86_64	108 k	
globus-gssapi-gsi-doc	x86_64	10.6-1.el5
IGE.globus-default-security.sl5.x86_64	177 k	
globus-io	x86_64	9.3-1.el5
IGE.globus-default-security.sl5.x86_64	44 k	
globus-io-devel	x86_64	9.3-1.el5
IGE.globus-default-security.sl5.x86_64	12 k	
globus-openssl-module-doc	x86_64	3.2-1.el5
IGE.globus-default-security.sl5.x86_64	68 k	
globus-openssl-module-progs	x86_64	3.2-1.el5
IGE.globus-default-security.sl5.x86_64	7.9 k	
globus-simple-ca	noarch	3.0-2.el5
IGE.globus-default-security.sl5.x86_64	31 k	
globus-xio-doc	x86_64	3.3-1.el5
IGE.globus-default-security.sl5.x86_64	703 k	
globus-xio-gsi-driver	x86_64	2.3-1.el5
IGE.globus-default-security.sl5.x86_64	37 k	
globus-xio-gsi-driver-devel	x86_64	2.3-1.el5
IGE.globus-default-security.sl5.x86_64	10 k	
globus-xio-gsi-driver-doc	x86_64	2.3-1.el5
IGE.globus-default-security.sl5.x86_64	180 k	
globus-xio-pipe-driver	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	17 k	
globus-xio-pipe-driver-devel	x86_64	2.2-1.el5
IGE.globus-default-security.sl5.x86_64	5.3 k	
globus-xio-popen-driver	x86_64	2.3-1.el5
IGE.globus-default-security.sl5.x86_64	21 k	
globus-xio-popen-driver-devel	x86_64	2.3-1.el5
IGE.globus-default-security.sl5.x86_64	6.5 k	
globus-xioperf	x86_64	3.1-1.el5
IGE.globus-default-security.sl5.x86_64	19 k	
grid-packaging-tools	noarch	3.6.2-1.el5
IGE.globus-default-security.sl5.x86_64	212 k	
imake	x86_64	1.0.2-3
sl-base	318 k	
libtool	x86_64	1.5.22-7.el5_4
sl-base	667 k	

perl-Archive-Tar	noarch	1:1.39.1-1.el5_5.1	
sl-security	53 k		
perl-IO-Zlib	noarch	1.04-4.2.1	
sl-base	15 k		
rpm-build	x86_64	4.4.2.3-28.el5_8	
sl-security	303 k		
xz	x86_64	4.999.9-0.3.beta.20091007git.el5	
sl-base	146 k		
xz-libs	x86_64	4.999.9-	
0.3.beta.20091007git.el5	sl-base		94 k

Transaction Summary

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

}}

== Testing ==

{{

```
# export X509_CERT_DIR=/etc/grid-security/certificates
```

```
[esfreire@test26 ~]$ /usr/bin/openssl x509 -hash -noout < /etc/grid-
security/certificates/pkIRISGrid.pem
9dd23746
```

```
[esfreire@test26 ~]$ /usr/bin/openssl x509 -hash -noout < /etc/grid-
security/certificates/pkIRISGrid.pem
```

```
9dd23746
```

```
[esfreire@test26 ~]$ grid-cert-diagnostics
Checking Environment Variables
```

```
=====
Checking if HOME is set... /home/esfreire
Checking if GLOBUS_LOCATION is set... no
Checking for default GLOBUS_LOCATION... /usr
Checking if X509_CERT_DIR is set... /etc/grid-security/certificates
Checking if X509_USER_CERT is set... no
Checking if X509_USER_KEY is set... no
Checking if X509_USER_PROXY is set... no
Checking if GRIDMAP is set... no
```

```
Checking Security Directories
```

```
=====
Determining trusted cert path... /etc/grid-security/certificates
Checking for cog.properties... not found
Checking for default gridmap location... /home/esfreire/.gridmap
Checking if default gridmap exists... failed
```

```
globus_sysconfig: File does not exist: /home/esfreire/.gridmap is not a valid file
[ ..... ]
```

```
Checking CA certificate name for 1d879c6c.0...ok (/DC=ch/DC=cern/CN=CERN Trusted
Certification Authority)
```

```
Checking if signing policy exists for 1d879c6c.0... ok
```

```
Verifying certificate chain for 1d879c6c.0... ok
```

```
Checking CA file /etc/grid-security/certificates/f57f9e36.0... ok
```

```
Checking that certificate hash matches filename... failed
```

```
CA hash '99f9f5a3.0' does not match CA filename
```

```
Checking CA file /etc/grid-security/certificates/13ba0088.0... ok
```

```
Checking that certificate hash matches filename... failed
```

```
CA hash '2418a3f3.0' does not match CA filename
```

```
Checking CA file /etc/grid-security/certificates/82a0ca89.0... ok
```

```
Checking that certificate hash matches filename... failed
```

```
CA hash '169d7f9c.0' does not match CA filename
```

```
Checking CA file /etc/grid-security/certificates/585d9326.0... ok
```

```
Checking that certificate hash matches filename... failed
```

```
CA hash 'd11f973e.0' does not match CA filename
```

```
Checking CA file /etc/grid-security/certificates/fc1898ec.0... ok
```

```
Checking that certificate hash matches filename... ok
```

```
Checking CA certificate name for fc1898ec.0...ok (/C=CO/O=Uniandes
CA/O=UNIANDES/OU=DTI/CN=Uniandes CA)
```

```
Checking if signing policy exists for fc1898ec.0... ok
```

```
Verifying certificate chain for fc1898ec.0... ok
```

```
Checking CA file /etc/grid-security/certificates/089450c2.0... ok
```

```
Checking that certificate hash matches filename... failed
```

```
CA hash '295adc19.0' does not match CA filename
```

```
Checking CA file /etc/grid-security/certificates/3d5be7bc.0... ok
```

```
Checking that certificate hash matches filename... ok
```

```
Checking CA certificate name for 3d5be7bc.0...ok (/C=SI/O=SiGNET/CN=SiGNET CA)
```

```
Checking if signing policy exists for 3d5be7bc.0... ok
```

```
Verifying certificate chain for 3d5be7bc.0... ok
```

```
}}}
```

```
{{{
```

```
[esfreire@test26 ~]$ grid-cert-diagnostics -p
```

```
Checking Environment Variables
```

```
=====  
Checking if HOME is set... /home/esfreire
```

```
Checking if GLOBUS_LOCATION is set... no
```

```
Checking for default GLOBUS_LOCATION... /usr
```

```
Checking if X509_CERT_DIR is set... /etc/grid-security/certificates
```

```
Checking if X509_USER_CERT is set... no
```

```
Checking if X509_USER_KEY is set... no
```

```
Checking if X509_USER_PROXY is set... no
```

```
Checking if GRIDMAP is set... no
```

```
Checking Security Directories
```

```
=====  
Determining trusted cert path... /etc/grid-security/certificates
```

```
Checking for cog.properties... not found
```

```
Checking for default gridmap location... /home/esfreire/.gridmap
```

```
Checking if default gridmap exists... failed
```

```
globus_sysconfig: File does not exist: /home/esfreire/.gridmap is not a valid file
```

Checking Default Credentials

```
Determining certificate and key file names... ok
Certificate Path: "/home/esfreire/.globus/usercert.pem"
Key Path: "/home/esfreire/.globus/userkey.pem"
Reading certificate... ok
Reading private key...
Enter GRID pass phrase for this identity:
```

```
[ ..... ]
```

```
Verifying certificate chain for 1d879c6c.0... ok
Checking CA file /etc/grid-security/certificates/f57f9e36.0... ok
Checking that certificate hash matches filename... failed
  CA hash '99f9f5a3.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/13ba0088.0... ok
Checking that certificate hash matches filename... failed
  CA hash '2418a3f3.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/82a0ca89.0... ok
Checking that certificate hash matches filename... failed
  CA hash '169d7f9c.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/585d9326.0... ok
Checking that certificate hash matches filename... failed
  CA hash 'd11f973e.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/fc1898ec.0... ok
Checking that certificate hash matches filename... ok
Checking CA certificate name for fc1898ec.0...ok (/C=CO/O=Uniandes
CA/O=UNIANDES/OU=DTI/CN=Uniandes CA)
Checking if signing policy exists for fc1898ec.0... ok
Verifying certificate chain for fc1898ec.0... ok
Checking CA file /etc/grid-security/certificates/089450c2.0... ok
Checking that certificate hash matches filename... failed
  CA hash '295adc19.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/3d5be7bc.0... ok
Checking that certificate hash matches filename... ok
Checking CA certificate name for 3d5be7bc.0...ok (/C=SI/O=SiGNET/CN=SiGNET CA)
Checking if signing policy exists for 3d5be7bc.0... ok
Verifying certificate chain for 3d5be7bc.0... ok
}}}
```

```
{{{
[esfreire@test26 ~]$ grid-proxy-init
Your identity: /DC=es/DC=irisgrid/O=cesga/CN=esteban.freire
Enter GRID pass phrase for this identity:
Creating proxy ..... Done
Your proxy is valid until: Thu Jul 19 22:52:47 2012
[esfreire@test26 ~]$
```

```
[esfreire@test26 ~]$ grid-cert-info -sd -ed
Feb 17 12:07:51 2012 GMT
Feb 16 12:07:51 2013 GMT
```

```
[esfreire@test26 ~]$ grid-cert-info -subject
/DC=es/DC=irisgrid/O=cesga/CN=esteban.freire
```

```
[esfreire@test26 ~]$ grid-cert-info -subject -rfc2253  
CN=esteban.freire,O=cesga,DC=irisgrid,DC=es  
}}
```


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):

Comments for SR (TSA1.3):

Comments for DMSU (TSA2.5):

Comments for TP: