

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

Name of the component	IGE.globus-default-security		
Release	V5.2.4	RT Ticket	#5518 #5519 #5547
Software Provider	IGE		
Release Contact	Name:	E-Mail	
	Mattias Ellert	mattias.ellert@fysast.uu.se	
Validator	Name:	E-Mail	
	Alvaro Simon	asimon@cesga.es	
V. Hours Worked	4		
Component status	Accepted	Date	08/07/13
Verification start date	08/07/13	Verification end date	08/07/13

Summary:
No issues found during the verification process.

GGUS Tickets:
None

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	13	0/1	2	16
	Specific Quality Criteria			
TP				
VLD	4	0	5	9

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
Generic QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	http://globus.org.eu/toolkit/docs/5.0/5.0.4/
GENERIC_DOC_2 (Release Notes)	Y	VLD	http://globus.org.eu/toolkit/docs/5.0/
GENERIC_DOC_5 (API Documentation)	Y	VLD	
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	http://globus.org.eu/toolkit/docs/5.0/5.0.4/
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	http://globus.org.eu/toolkit/docs/5.0/5.0.4/
GENERIC_DOC_8 (Software License)	Y	VLD	GTPL http://www.globus.org/toolkit/docs/4.2/
GENERIC_DOC_9 (Release changes testing)	Y	VLD	
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://www.globus.org/toolkit/downloads/5.0.4/
GENERIC_DIST_2 (Source Distribution)	Y	VLD	/
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://www.globus.org/toolkit/downloads/5.0.4/
GENERIC_SERVICE_1 (Service control and status)	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)	N	VLD	
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_2 (Directory Traversal Attacks testing)	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 definition)	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 Linking)	NA	VLD	
Operations Capabilities QC			
MON_PROBE_GENERIC_2 (Service Probe)	NA		

Validator comments:

```

Installation
=====
OS: debian6
# apt-get install ige-meta-globus-default-security
# apt-get install fetch-crl
OS: SL5
# yum install ige-meta-globus-default-security
# yum install fetch-crl
OS: SL6
# yum install ige-meta-globus-default-security
# yum install fetch-crl

```

Dependencies Resolved

Package Repository	Arch Size	Version
Installing:		
ige-meta-globus-default-security	noarch	3.2-1.e16
IGE.globus-default-security.sl6.x86_64	4.6 k	
Installing for dependencies:		
autoconf	noarch	2.63-5.1.e16
sl	780 k	
automake	noarch	1.11.1-4.e16
sl	549 k	
cloog-pp1	x86_64	0.15.7-1.2.e16
sl	92 k	
cpp	x86_64	4.4.7-3.e16
sl	3.7 M	
elfutils	x86_64	0.152-1.e16
sl	200 k	
elfutils-libs	x86_64	0.152-1.e16
sl	180 k	
gcc	x86_64	4.4.7-3.e16
sl	10 M	
gdb	x86_64	7.2-60.e16
sl	2.3 M	
glibc-devel	x86_64	2.12-1.107.e16
sl	973 k	
glibc-headers	x86_64	2.12-1.107.e16
sl	603 k	
globus-authz	x86_64	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	14 k	
globus-authz-callout-error	x86_64	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	11 k	
globus-authz-callout-error-devel	x86_64	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	6.6 k	
globus-authz-callout-error-doc	noarch	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	80 k	
globus-authz-devel	x86_64	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	6.1 k	
globus-authz-doc	noarch	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	92 k	
globus-callout	x86_64	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	17 k	
globus-callout-devel	x86_64	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	8.7 k	
globus-callout-doc	noarch	2.2-1.e16
IGE.globus-default-security.sl6.x86_64	117 k	
globus-common	x86_64	14.9-1.e16
IGE.globus-default-security.sl6.x86_64	114 k	
globus-common-devel	x86_64	14.9-1.e16
IGE.globus-default-security.sl6.x86_64	62 k	
globus-common-doc	noarch	14.9-1.e16
IGE.globus-default-security.sl6.x86_64	421 k	
globus-common-progs	x86_64	14.9-1.e16
IGE.globus-default-security.sl6.x86_64	32 k	
globus-core	x86_64	8.9-2.e16
IGE.globus-default-security.sl6.x86_64	46 k	
globus-gridmap-callout-error	x86_64	1.2-2.e16
IGE.globus-default-security.sl6.x86_64	10 k	
globus-gridmap-callout-error-devel	x86_64	1.2-2.e16
IGE.globus-default-security.sl6.x86_64	6.6 k	
globus-gridmap-callout-error-doc	noarch	1.2-2.e16
IGE.globus-default-security.sl6.x86_64	93 k	
globus-gridmap-verify-myproxy-callout	x86_64	1.0-1.e16
IGE.globus-default-security.sl6.x86_64	16 k	
globus-gsi-callback	x86_64	4.4-1.e16
IGE.globus-default-security.sl6.x86_64	37 k	
globus-gsi-callback-devel	x86_64	4.4-1.e16
IGE.globus-default-security.sl6.x86_64	10 k	
globus-gsi-callback-doc	noarch	4.4-1.e16
IGE.globus-default-security.sl6.x86_64	137 k	
globus-gsi-cert-utils	x86_64	8.3-1.e16
IGE.globus-default-security.sl6.x86_64	19 k	
globus-gsi-cert-utils-devel	x86_64	8.3-1.e16
IGE.globus-default-security.sl6.x86_64	10 k	
globus-gsi-cert-utils-doc	noarch	8.3-1.e16
IGE.globus-default-security.sl6.x86_64	116 k	
globus-gsi-cert-utils-progs	x86_64	8.3-1.e16
IGE.globus-default-security.sl6.x86_64	25 k	
globus-gsi-credential	x86_64	5.3-1.e16
IGE.globus-default-security.sl6.x86_64	32 k	
globus-gsi-credential-devel	x86_64	5.3-1.e16
IGE.globus-default-security.sl6.x86_64	10 k	
globus-gsi-credential-doc	noarch	5.3-1.e16
IGE.globus-default-security.sl6.x86_64	150 k	

globus-gsi-openssl-error	x86_64	2.1-2.e16
IGE.globus-default-security.s16.x86_64	16 k	
globus-gsi-openssl-error-devel	x86_64	2.1-2.e16
IGE.globus-default-security.s16.x86_64	7.8 k	
globus-gsi-openssl-error-doc	noarch	2.1-2.e16
IGE.globus-default-security.s16.x86_64	145 k	
globus-gsi-proxy-core	x86_64	6.2-1.e16
IGE.globus-default-security.s16.x86_64	32 k	
globus-gsi-proxy-core-devel	x86_64	6.2-1.e16
IGE.globus-default-security.s16.x86_64	11 k	
globus-gsi-proxy-core-doc	noarch	6.2-1.e16
IGE.globus-default-security.s16.x86_64	155 k	
globus-gsi-proxy-ssl	x86_64	4.1-2.e16
IGE.globus-default-security.s16.x86_64	16 k	
globus-gsi-proxy-ssl-devel	x86_64	4.1-2.e16
IGE.globus-default-security.s16.x86_64	9.1 k	
globus-gsi-proxy-ssl-doc	noarch	4.1-2.e16
IGE.globus-default-security.s16.x86_64	127 k	
globus-gsi-sysconfig	x86_64	5.3-1.e16
IGE.globus-default-security.s16.x86_64	27 k	
globus-gsi-sysconfig-devel	x86_64	5.3-1.e16
IGE.globus-default-security.s16.x86_64	12 k	
globus-gsi-sysconfig-doc	noarch	5.3-1.e16
IGE.globus-default-security.s16.x86_64	172 k	
globus-gss-assist	x86_64	8.7-1.e16
IGE.globus-default-security.s16.x86_64	32 k	
globus-gss-assist-devel	x86_64	8.7-1.e16
IGE.globus-default-security.s16.x86_64	11 k	
globus-gss-assist-doc	noarch	8.7-1.e16
IGE.globus-default-security.s16.x86_64	167 k	
globus-gss-assist-progs	x86_64	8.7-1.e16
IGE.globus-default-security.s16.x86_64	19 k	
globus-gssapi-error	x86_64	4.1-2.e16
IGE.globus-default-security.s16.x86_64	13 k	
globus-gssapi-error-devel	x86_64	4.1-2.e16
IGE.globus-default-security.s16.x86_64	7.7 k	
globus-gssapi-error-doc	noarch	4.1-2.e16
IGE.globus-default-security.s16.x86_64	131 k	
globus-gssapi-gsi	x86_64	10.7-1.e16
IGE.globus-default-security.s16.x86_64	55 k	
globus-gssapi-gsi-devel	x86_64	10.7-1.e16
IGE.globus-default-security.s16.x86_64	14 k	
globus-gssapi-gsi-doc	noarch	10.7-1.e16
IGE.globus-default-security.s16.x86_64	170 k	
globus-io	x86_64	9.4-1.e16
IGE.globus-default-security.s16.x86_64	39 k	
globus-io-devel	x86_64	9.4-1.e16
IGE.globus-default-security.s16.x86_64	13 k	
globus-openssl-module	x86_64	3.2-1.e16
IGE.globus-default-security.s16.x86_64	13 k	
globus-openssl-module-devel	x86_64	3.2-1.e16
IGE.globus-default-security.s16.x86_64	8.0 k	
globus-openssl-module-doc	noarch	3.2-1.e16
IGE.globus-default-security.s16.x86_64	83 k	
globus-openssl-module-progs	x86_64	3.2-1.e16
IGE.globus-default-security.s16.x86_64	8.1 k	
globus-proxy-utils	x86_64	5.0-2.e16
IGE.globus-default-security.s16.x86_64	42 k	
globus-simple-ca	noarch	3.2-1.e16
IGE.globus-default-security.s16.x86_64	31 k	
globus-usage	x86_64	3.1-2.e16
IGE.globus-default-security.s16.x86_64	16 k	
globus-usage-devel	x86_64	3.1-2.e16
IGE.globus-default-security.s16.x86_64	6.9 k	
globus-xio	x86_64	3.3-1.e16
IGE.globus-default-security.s16.x86_64	159 k	
globus-xio-devel	x86_64	3.3-1.e16
IGE.globus-default-security.s16.x86_64	46 k	
globus-xio-doc	noarch	3.3-1.e16
IGE.globus-default-security.s16.x86_64	819 k	
globus-xio-gsi-driver	x86_64	2.3-1.e16
IGE.globus-default-security.s16.x86_64	34 k	
globus-xio-gsi-driver-devel	x86_64	2.3-1.e16
IGE.globus-default-security.s16.x86_64	11 k	
globus-xio-gsi-driver-doc	noarch	2.3-1.e16
IGE.globus-default-security.s16.x86_64	216 k	
globus-xio-pipe-driver	x86_64	2.2-1.e16
IGE.globus-default-security.s16.x86_64	17 k	
globus-xio-pipe-driver-devel	x86_64	2.2-1.e16
IGE.globus-default-security.s16.x86_64	5.8 k	
globus-xio-popen-driver	x86_64	2.3-1.e16
IGE.globus-default-security.s16.x86_64	20 k	
globus-xio-popen-driver-devel	x86_64	2.3-1.e16
IGE.globus-default-security.s16.x86_64	7.0 k	
globus-xioperf	x86_64	3.1-1.e16
IGE.globus-default-security.s16.x86_64	18 k	

grid-packaging-tools	noarch	3.6.3-1.e16
IGE.globus-default-security.sl6.x86_64	198 k	
kernel-headers	x86_64	2.6.32-358.11.1.e16
sl-security	2.3 M	
keyutils-libs-devel	x86_64	1.4-4.e16
sl	28 k	
krb5-devel	x86_64	1.10.3-10.e16_4.3
sl-security	493 k	
libcom_err-devel	x86_64	1.41.12-14.e16
sl	31 k	
libgomp	x86_64	4.4.7-3.e16
sl	117 k	
libselinux-devel	x86_64	2.0.94-5.3.e16
sl	135 k	
libsepol-devel	x86_64	2.0.41-4.e16
sl	63 k	
libtool	x86_64	2.2.6-15.5.e16
sl	563 k	
libtool-ltdl	x86_64	2.2.6-15.5.e16
sl	43 k	
mailcap	noarch	2.1.31-2.e16
sl	26 k	
mpfr	x86_64	2.4.1-6.e16
sl	156 k	
openssl-devel	x86_64	1.0.0-27.e16_4.2
sl-security	1.1 M	
patch	x86_64	2.6-6.e16
sl	90 k	
perl-Archive-Tar	x86_64	1.58-130.e16_4
sl-security	71 k	
perl-Compress-Raw-Zlib	x86_64	1:2.020-130.e16_4
sl-security	67 k	
perl-Compress-Zlib	x86_64	2.020-130.e16_4
sl-security	43 k	
perl-HTML-Parser	x86_64	3.64-2.e16
sl	108 k	
perl-HTML-Tagset	noarch	3.20-4.e16
sl	15 k	
perl-IO-Compress-Base	x86_64	2.020-130.e16_4
sl-security	67 k	
perl-IO-Compress-Zlib	x86_64	2.020-130.e16_4
sl-security	133 k	
perl-IO-Zlib	x86_64	1:1.09-130.e16_4
sl-security	30 k	
perl-Package-Constants	x86_64	1:0.02-130.e16_4
sl-security	24 k	
perl-URI	noarch	1.40-2.e16
sl	116 k	
perl-XML-Parser	x86_64	2.36-7.e16
sl	223 k	
perl-libwww-perl	noarch	5.833-2.e16
sl	386 k	
pkgconfig	x86_64	1:0.23-9.1.e16
sl	69 k	
pp1	x86_64	0.10.2-11.e16
sl	1.3 M	
rpm-build	x86_64	4.8.0-32.e16
sl	126 k	
unzip	x86_64	6.0-1.e16
sl	148 k	
zlib-devel	x86_64	1.2.3-29.e16
sl	43 k	

Transaction Summary

=====
 Install 113 Package(s)
 =====

Testing

```
# export X509_CERT_DIR=/etc/grid-security/certificates
# /usr/bin/openssl x509 -hash -noout < /etc/grid-security/certificates/pkIRISGrid.pem
cd536adc
```

```
# /usr/sbin/fetch-crl -r 20 -a 24
```

grid-cert-diagnostics

Checking Environment Variables

=====

Checking if HOME is set... /root

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... /etc/grid-security/grid-mapfile
Checking if default gridmap exists... failed
    globus_sysconfig: File does not exist: /etc/grid-security/grid-mapfile is not a valid file

Checking trusted certificates...
=====
Getting trusted certificate list...
Checking CA file /etc/grid-security/certificates/d0b701c0.0... ok
Checking that certificate hash matches filename... failed
    CA hash 'ff430c7f.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/56084620.0... ok
Checking that certificate hash matches filename... ok
Checking CA certificate name for 56084620.0...ok (/DC=me/DC=ac/DC=MREN/CN=MREN-CA)
Checking if signing policy exists for 56084620.0... ok
Verifying certificate chain for 56084620.0... ok
Checking CA file /etc/grid-security/certificates/fc1898ec.0... ok
Checking that certificate hash matches filename... failed
...
...

# grid-cert-diagnostics -p

$ grid-cert-diagnostics -p
Checking Environment Variables
=====
Checking if HOME is set... /home/asimon
Checking if GLOBUS_LOCATION is set... no
Checking for default GLOBUS_LOCATION... /usr
Checking if X509_CERT_DIR is set... no
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/asimon/.gridmap
Checking if default gridmap exists... failed
    globus_sysconfig: File does not exist: /home/asimon/.gridmap is not a valid file

Checking Default Credentials
=====
Determining certificate and key file names... ok
Certificate Path: "/home/asimon/.globus/usercert.pem"
Key Path: "/home/asimon/.globus/userkey.pem"
Reading certificate... ok
Reading private key...
Enter GRID pass phrase for this identity:
ok
Checking Certificate Subject... "/DC=es/DC=irisgrid/O=cesga/CN=alvarosimon"
Checking cert... ok
Checking key... ok
Checking that certificate contains an RSA key... ok
Checking that private key is an RSA key... ok
Checking that public and private keys have the same modulus... ok
Checking certificate trust chain... ok
Checking if subject is in gridmap... error parsing gridmap /home/asimon/.gridmap

Checking trusted certificates...
=====
Getting trusted certificate list...
Checking CA file /etc/grid-security/certificates/d0b701c0.0... ok
Checking that certificate hash matches filename... failed
    CA hash 'ff430c7f.0' does not match CA filename
Checking CA file /etc/grid-security/certificates/56084620.0... ok
Checking that certificate hash matches filename... ok
...
...

$ grid-proxy-init
Your identity: /DC=es/DC=irisgrid/O=cesga/CN=alvarosimon
Enter GRID pass phrase for this identity:
Creating proxy ..... Done
Your proxy is valid until: Mon Jul  8 22:46:43 2013

$ grid-cert-info -sd -ed
Dec  3 13:31:00 2012 GMT

```

Dec 3 13:31:00 2013 GMT

```
$ grid-cert-info -subject  
/DC=es/DC=irisgrid/O=cesga/CN=alvarosimon
```

```
$ grid-cert-info -subject -rfc2253  
CN=alvarosimon,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):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

Comments for DMSU (TSA2.5):

Comments for TP: