

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

Name of the component	IGE.globus-rls.sl5.x86_64-5.2.0		
Release	UMD1.6	Release	
Software Provider	EMI		
Contact	Name:	E-Mail	Phone:
	Mattias Ellert mattias.ellert@fysast.uu.se		
Validator	Name:	E-Mail	Phone:
	Iván Díaz idiaz@cesga.es		
Component status	Accepted	Date	07/03/12
Verification start date	06/03/12	Verification end date	07/03/12

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
Generic QC			
GENERIC_DOC_1 (Functional Description)	Y		http://globus.org.eu/toolkit/docs/5.0/5.0.4/data/rls/
GENERIC_DOC_2 (Release Notes)	Y		http://globus.org.eu/toolkit/docs/5.0/5.0.4/data/rls/m/
GENERIC_DOC_5 (API Documentation)	Y		http://globus.org.eu/toolkit/docs/5.0/5.0.4/data/rls/de
GENERIC_DOC_6 (Administrator Documentation)	N		Doc is available but not updated for UMD installation,
GENERIC_DOC_7 (Service Reference Card)	Y		
GENERIC_DOC_8 (Software License)	Y		Globus license http://globus.org.eu/toolkit/legal/
GENERIC_DOC_9 (Release changes testing)	Y		http://globus.org.eu/toolkit/docs/5.0/5.0.4/data/rls/m/
GENERIC_DIST_1 (Source Code Availability)	Y		http://globus.org.eu/toolkit/downloads/
GENERIC_DIST_2 (Source Distribution)	Y		http://globus.org.eu/toolkit/downloads/
GENERIC_DIST_3 (Binary Distribution)	Y		
GENERIC_SERVICE_1 (Service control and status)	Y		
GENERIC_SERVICE_2 (Log Files)	Y		
GENERIC_SERVICE_3 (Service Reliability)	Y		
GENERIC_SERVICE_4 (Service Robustness)	Y		
GENERIC_SERVICE_4 (Automatic Configuration)	N		globus rls does not have an automatic conf tool.
GENERIC_SEC_1 (World Writable Files)	Y		
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Optional		
GENERIC_MISC_2 (Bug Tracking System)	Y		bugzilla
Security Capabilities QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y		
AUTHN_IFACE_2 (SAML authentication)	Optional		
AUTHZ_PCYDEF_3 (Ban UserFQAN)	Y		
AUTHZ_PCYDEF_4 (Allowed users definition)	Y		
AUTHZ_PEP_1 (Policy Enforcement)	Y		
AUTHZ_PEP_2 (User Mapping)	Y		
Information Capabilities QC			
INFOMODEL_SCHEMA_1 (GlueSchema Support)			
INFODISC_IFACE_1 (Information Discovery Interface)			
Compute Capabilities QC			
Storage Capabilities QC			
Data Capabilities QC			
METADATA_LFC_API_1 (LFC API)			
METADATA_LFC_FUNC_1 (Directory Management)	Y		
METADATA_LFC_FUNC_2 (ACL Operations)	Y		
METADATA_LFC_FUNC_3 (Entry Comments)			
METADATA_LFC_FUNC_4 (User/Group Map Management)	Y		
METADATA_LFC_FUNC_5 (Entry Management)	Y		
Operations Capabilities QC			
MON_PROBE_GENERIC_2 (Service Probe)			
MON_PROBE_METADATA_1 (LFC Probes)			
Client Capabilities QC			
Remote Instrumentation Capabilities QC			

Summary:

RLS was installed from UMD repository without problems. Functionality worked perfectly, but configuration is very complex and poorly documented. The documentation should be improved. Also, the product seems to be the same as version 5.0.3 and not included nor documented on the 5.2.0 release. Steps should be taken to synchronize the verification with actual IGE release contents.

Validator comments:

```
[root@test19 yum.repos.d]# yum clean all
```

Loaded plugins: kernel-module, priorities, protectbase

Repository EGI-trustanchors is listed more than once in the configuration

Cleaning up Everything

```
[root@test19 yum.repos.d]# yum install globus-rls-server.x86_64
```

Loaded plugins: kernel-module, priorities, protectbase

Repository EGI-trustanchors is listed more than once in the configuration

595 packages excluded due to repository priority protections

0 packages excluded due to repository protections

Setting up Install Process

Resolving Dependencies

--> Running transaction check

---> Package globus-rls-server.x86_64 0:4.9-10.1.el5 set to be updated

--> Processing Dependency: globus-io >= 9 for package: globus-rls-server

--> Processing Dependency: globus-gss-assist >= 8 for package: globus-rls-server

--> Processing Dependency: globus-rls-client >= 5.2-5 for package: globus-rls-server

--> Processing Dependency: globus-usage >= 3 for package: globus-rls-server

--> Processing Dependency: globus-common >= 14 for package: globus-rls-server

--> Processing Dependency: libglobus_common.so.0(GLOBUS_COMMON_14)(64bit) for package: globus-rls-server

--> Processing Dependency: libodbc.so.1()(64bit) for package: globus-rls-server

--> Processing Dependency: libglobus_rls_client.so.5()(64bit) for package: globus-rls-server

--> Processing Dependency: libglobus_usage.so.0()(64bit) for package: globus-rls-server

--> Processing Dependency: libglobus_io.so.3()(64bit) for package: globus-rls-server

--> Running transaction check

--> Processing Dependency: globus-common = 11.6-5.el5 for package: globus-common-progs

---> Package globus-common.x86_64 0:14.5-4.el5 set to be updated

---> Package globus-gss-assist.x86_64 0:8.1-2.el5 set to be updated

--> Processing Dependency: globus-gsi-cert-utils >= 8 for package: globus-gss-assist

--> Processing Dependency: globus-gssapi-gsi >= 9 for package: globus-gss-assist

--> Processing Dependency: globus-gsi-sysconfig >= 5 for package: globus-gss-assist

--> Processing Dependency: globus-callout >= 2 for package: globus-gss-assist

---> Package globus-io.x86_64 0:9.2-2.el5 set to be updated

--> Processing Dependency: globus-xio-gsi-driver >= 2 for package: globus-io

--> Processing Dependency: globus-gssapi-error >= 4 for package: globus-io

--> Processing Dependency: globus-xio >= 3 for package: globus-io

--> Processing Dependency: libglobus_xio.so.0()(64bit) for package: globus-io

--> Processing Dependency: libglobus_gssapi_error.so.2()(64bit) for package: globus-io

---> Package globus-rls-client.x86_64 0:5.2-6.el5 set to be updated

---> Package globus-usage.x86_64 0:3.1-2.el5 set to be updated

---> Package unixODBC.x86_64 0:2.2.11-7.1 set to be updated

--> Running transaction check

---> Package globus-callout.x86_64 0:2.1-2.el5 set to be updated

---> Package globus-common-progs.x86_64 0:14.5-4.el5 set to be updated

--> Processing Dependency: globus-gsi-cert-utils = 6.7-2.el5 for package: globus-gsi-cert-utils-progs

---> Package globus-gsi-cert-utils.x86_64 0:8.1-2.el5 set to be updated

--> Processing Dependency: globus-openssl-module >= 3 for package: globus-gsi-cert-utils

--> Processing Dependency: globus-gsi-openssl-error >= 2 for package: globus-gsi-cert-utils

--> Processing Dependency: globus-gsi-proxy-ssl >= 4 for package: globus-gsi-cert-utils

---> Package globus-gsi-sysconfig.x86_64 0:5.1-2.el5 set to be updated

---> Package globus-gssapi-error.x86_64 0:4.1-2.el5 set to be updated

---> Package globus-gssapi-gsi.x86_64 0:10.2-2.el5 set to be updated

--> Processing Dependency: globus-gsi-proxy-core >= 6 for package: globus-gssapi-gsi

--> Processing Dependency: globus-gsi-credential >= 5 for package: globus-gssapi-gsi

--> Processing Dependency: globus-gsi-callback >= 4 for package: globus-gssapi-gsi

---> Package globus-xio.x86_64 0:3.2-2.el5 set to be updated

---> Package globus-xio-gsi-driver.x86_64 0:2.1-2.el5 set to be updated

--> Running transaction check

---> Package globus-gsi-callback.x86_64 0:4.1-2.el5 set to be updated

```

--> Package globus-gsi-cert-utils-progs.x86_64 0:8.1-2.el5 set to be updated
--> Package globus-gsi-credential.x86_64 0:5.1-2.el5 set to be updated
--> Package globus-gsi-openssl-error.x86_64 0:2.1-2.el5 set to be updated
--> Package globus-gsi-proxy-core.x86_64 0:6.1-2.el5 set to be updated
--> Package globus-gsi-proxy-ssl.x86_64 0:4.1-2.el5 set to be updated
--> Package globus-openssl-module.x86_64 0:3.1-2.el5 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin

```

Dependencies Resolved

=====			
=====			
=====			
Package Size	Arch	Version	Repository
=====			
=====			
=====			
Installing:			
globus-common 131 k	x86_64	14.5-4.el5	IGE.globus-rls.sl5.x86_64
replacing globus-openssl.x86_64 5.1-2.el5			
globus-rls-server 97 k	x86_64	4.9-10.1.el5	IGE.globus-rls.sl5.x86_64
Installing for dependencies:			
globus-gssapi-error 14 k	x86_64	4.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-io 44 k	x86_64	9.2-2.el5	IGE.globus-rls.sl5.x86_64
globus-rls-client 30 k	x86_64	5.2-6.el5	IGE.globus-rls.sl5.x86_64
globus-usage 17 k	x86_64	3.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-xio 178 k	x86_64	3.2-2.el5	IGE.globus-rls.sl5.x86_64
globus-xio-gsi-driver 37 k	x86_64	2.1-2.el5	IGE.globus-rls.sl5.x86_64
unixODBC 834 k	x86_64	2.2.11-7.1	sl-base
Updating for dependencies:			
globus-callout 17 k	x86_64	2.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-common-progs 34 k	x86_64	14.5-4.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-callback 42 k	x86_64	4.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-cert-utils 20 k	x86_64	8.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-cert-utils-progs 26 k	x86_64	8.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-credential 35 k	x86_64	5.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-openssl-error 16 k	x86_64	2.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-proxy-core 37 k	x86_64	6.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-proxy-ssl 18 k	x86_64	4.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gsi-sysconfig 30 k	x86_64	5.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gss-assist 34 k	x86_64	8.1-2.el5	IGE.globus-rls.sl5.x86_64
globus-gssapi-gsi 57 k	x86_64	10.2-2.el5	IGE.globus-rls.sl5.x86_64
globus-openssl-module 13 k	x86_64	3.1-2.el5	IGE.globus-rls.sl5.x86_64

Transaction Summary

Install 9 Package(s)
Upgrade 13 Package(s)

Total download size: 1.7 M

Is this ok [y/N]: y

Downloading Packages:

(1/22): globus-openssl-module-3.1-2.el5.x86_64.rpm	
13 kB 00:00	
(2/22): globus-gssapi-error-4.1-2.el5.x86_64.rpm	
14 kB 00:00	
(3/22): globus-gsi-openssl-error-2.1-2.el5.x86_64.rpm	
16 kB 00:00	
(4/22): globus-usage-3.1-2.el5.x86_64.rpm	17
kB 00:00	
(5/22): globus-callout-2.1-2.el5.x86_64.rpm	17
kB 00:00	
(6/22): globus-gsi-proxy-ssl-4.1-2.el5.x86_64.rpm	
18 kB 00:00	
(7/22): globus-gsi-cert-utils-8.1-2.el5.x86_64.rpm	
20 kB 00:00	
(8/22): globus-gsi-cert-utils-progs-8.1-2.el5.x86_64.rpm	
26 kB 00:00	
(9/22): globus-gsi-sysconfig-5.1-2.el5.x86_64.rpm	
30 kB 00:00	
(10/22): globus-rls-client-5.2-6.el5.x86_64.rpm	
30 kB 00:00	
(11/22): globus-common-progs-14.5-4.el5.x86_64.rpm	
34 kB 00:00	
(12/22): globus-gss-assist-8.1-2.el5.x86_64.rpm	
34 kB 00:00	
(13/22): globus-gsi-credential-5.1-2.el5.x86_64.rpm	
35 kB 00:00	
(14/22): globus-gsi-proxy-core-6.1-2.el5.x86_64.rpm	
37 kB 00:00	
(15/22): globus-xio-gsi-driver-2.1-2.el5.x86_64.rpm	
37 kB 00:00	
(16/22): globus-gsi-callback-4.1-2.el5.x86_64.rpm	
42 kB 00:00	
(17/22): globus-io-9.2-2.el5.x86_64.rpm	44
kB 00:00	
(18/22): globus-gssapi-gsi-10.2-2.el5.x86_64.rpm	
57 kB 00:00	
(19/22): globus-rls-server-4.9-10.1.el5.x86_64.rpm	
97 kB 00:00	
(20/22): globus-common-14.5-4.el5.x86_64.rpm	
131 kB 00:00	
(21/22): globus-xio-3.2-2.el5.x86_64.rpm	178
kB 00:00	
(22/22): unixODBC-2.2.11-7.1.x86_64.rpm	
834 kB 00:01	

Total 186 kB/s | 1.7 MB
00:09

Running rpm_check_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : globus-common

1/39

Updating : globus-gsi-openssl-error

2/39

Updating : globus-gsi-proxy-ssl

3/39

Updating : globus-gsi-sysconfig

4/39
Updating : globus-openssl-module
5/39
Updating : globus-gsi-cert-utils
6/39
Updating : globus-gsi-callback
7/39
Updating : globus-gsi-credential
8/39
Updating : globus-gsi-proxy-core
9/39
Updating : globus-gssapi-gsi
10/39
Installing : globus-xio
11/39
Updating : globus-callout
12/39
Updating : globus-gss-assist
13/39
Installing : globus-gssapi-error
14/39
Updating : globus-common-progs
15/39
Installing : globus-xio-gsi-driver
16/39
Installing : globus-io
17/39
Installing : globus-rls-client
18/39
Installing : globus-usage
19/39
Installing : unixODBC
20/39
Updating : globus-gsi-cert-utils-progs
21/39
Installing : globus-rls-server
22/39
Cleanup : globus-openssl-module
23/39
Cleanup : globus-gsi-sysconfig
24/39
Cleanup : globus-gssapi-gsi
25/39
Cleanup : globus-gsi-credential
26/39
Cleanup : globus-gsi-proxy-core
27/39
Cleanup : globus-gsi-callback
28/39
Cleanup : globus-gsi-cert-utils
29/39
Cleanup : globus-gsi-cert-utils-progs
30/39
Cleanup : globus-common-progs
31/39
Erasing : globus-openssl-progs
32/39
Cleanup : globus-callout
33/39
Cleanup : globus-gss-assist
34/39
Cleanup : globus-gsi-proxy-ssl
35/39
Cleanup : globus-gsi-openssl-error
36/39
Cleanup : globus-common
37/39
Erasing : globus-libtool
38/39
Erasing : globus-openssl

Installed:

globus-common.x86_64 0:14.5-4.el5

globus-rls-server.x86_64 0:4.9-10.1.el5

Dependency Installed:

globus-gssapi-error.x86_64 0:4.1-2.el5 globus-io.x86_64 0:9.2-2.el5 globus-rls-client.x86_64 0:5.2-6.el5 globus-usage.x86_64 0:3.1-2.el5
 globus-xio.x86_64 0:3.2-2.el5 globus-xio-gsi-driver.x86_64 0:2.1-2.el5
 unixODBC.x86_64 0:2.2.11-7.1

Dependency Updated:

globus-callout.x86_64 0:2.1-2.el5 globus-common-progs.x86_64 0:14.5-4.el5 globus-gsi-callback.x86_64 0:4.1-2.el5
 globus-gsi-cert-utils.x86_64 0:8.1-2.el5 globus-gsi-cert-utils-progs.x86_64 0:8.1-2.el5 globus-gsi-credential.x86_64 0:5.1-2.el5 globus-gsi-openssl-error.x86_64 0:2.1-2.el5
 globus-gsi-proxy-core.x86_64 0:6.1-2.el5 globus-gsi-proxy-ssl.x86_64 0:4.1-2.el5 globus-gsi-sysconfig.x86_64 0:5.1-2.el5 globus-gss-assist.x86_64 0:8.1-2.el5
 globus-gssapi-gsi.x86_64 0:10.2-2.el5
 globus-openssl-module.x86_64 0:3.1-2.el5

Replaced:

globus-libtool.x86_64 0:1.2-4.el5 globus-openssl.x86_64 0:5.1-2.el5 globus-openssl-progs.x86_64 0:5.1-2.el5

Complete!

Installation:

 Followed https://wiki-sis.cesga.es/IGE_GLOBUS_RLS_v2#preview

```
[root@test19 yum.repos.d]# /usr/sbin/globus-rls-admin -a rls://lfc.egee.cesga.es rls://test19.egi.cesga.es
[root@test19 yum.repos.d]# /usr/sbin/globus-rls-admin -A rls://lfc.egee.cesga.es rls://test19.egi.cesga.es
globus_rls_client: RLI already exists: rls://lfc.egee.cesga.es:39281
```

```
[root@test19 yum.repos.d]# /usr/sbin/globus-rls-admin -d rls://lfc.egee.cesga.es rls://test19.egi.cesga.es
```

```
[root@test19 yum.repos.d]# /usr/sbin/globus-rls-admin -p rls://test19.egi.cesga.es
ping rls://test19.egi.cesga.es: 0 seconds
```

```
[root@test19 yum.repos.d]# /usr/sbin/globus-rls-admin -p rls://test19.egi.cesga.es
ping rls://test19.egi.cesga.es: 0 seconds
[root@test19 yum.repos.d]# globus-rls-cli create id_test ui.egee.cesga.es:/tmp/test rls://test19.egi.cesga.es
```

```
[idiaz@test26 ~]$ grid-proxy-init
Your identity: /DC=es/DC=irisgrid/O=cesga/CN=ivandiaz
Creating proxy ..... Done
Your proxy is valid until: Wed Mar 7 23:26:11 2012
```

```
[idiaz@test26 ~]$ globus-rls-cli create id_test ui.egee.cesga.es:/tmp/test rls://test19.egi.cesga.es
[idiaz@test26 ~]$ globus-rls-cli add id_test ui.egee.cesga.es:/tmp/test2 rls://test19.egi.cesga.es
[idiaz@test26 ~]$ globus-rls-cli query lrc lfn id_test rls://test19.egi.cesga.es
id_test ui.egee.cesga.es:/tmp/test
id_test ui.egee.cesga.es:/tmp/test2
[idiaz@test26 ~]$ globus-rls-cli delete id_test ui.egee.cesga.es:/tmp/test2 rls://test19.egi.cesga.es
[idiaz@test26 ~]$ globus-rls-cli query lrc lfn id_test rls://test19.egi.cesga.es
id_test ui.egee.cesga.es:/tmp/test
[idiaz@test26 ~]$ globus-rls-cli delete id_test ui.egee.cesga.es:/tmp/test rls://test19.egi.cesga.es
[idiaz@test26 ~]$ globus-rls-cli delete id_test ui.egee.cesga.es:/tmp/test rls://test19.egi.cesga.es
```

```
[idiaz@test26 ~]$ globus-rls-cli bulk create id_test1 ui.egee.cesga.es:/tmp/test id_test2 ui.egee.cesga.es:/tmp/test2-1
rls://test19.egi.cesga.es
[idiaz@test26 ~]$ globus-rls-cli bulk add id_test1 ui.egee.cesga.es:/tmp/test id_test2 ui.egee.cesga.es:/tmp/test2-1 rls://test19.egi.cesga.es
id_test2 ui.egee.cesga.es:/tmp/test2-1 Mapping already exists
id_test1 ui.egee.cesga.es:/tmp/test Mapping already exists
[idiaz@test26 ~]$ globus-rls-cli bulk query lrc lfn id_test1 id_test2 my-logical-name-3 rls://test19.egi.cesga.es
my-logical-name-3 LFN doesn't exist
id_test2 ui.egee.cesga.es:/tmp/test2-1
id_test1 ui.egee.cesga.es:/tmp/test
[idiaz@test26 ~]$ globus-rls-cli rls://test19.egi.cesga.es
```

```
rls> query lrc lfn id_test1
id_test1 ui.egee.cesga.es:/tmp/test
rls> query lrc lfn id_test2
id_test2 ui.egee.cesga.es:/tmp/test2-1
rls> bulk delete id_test1 ui.egee.cesga.es:/tmp/test id_test2
id_test2 SHH?# PFN doesn't exist
rls> bulk query lrc lfn id_test2
id_test2 ui.egee.cesga.es:/tmp/test2-1
rls> bulk delete id_test1 ui.egee.cesga.es:/tmp/test id_test2
id_test2 SHH?# PFN doesn't exist
id_test1 ui.egee.cesga.es:/tmp/test LFN doesn't exist
rls> exit
```