

Criteria	Accepted (Y/N/N/)	Tested (TP/VLD)
Generic QC		
GENERIC_DOC_1 (Functional Description)	Y	
GENERIC_DOC_2 (Release Notes)	Y	
GENERIC_DOC_5 (API Documentation)	Y	
GENERIC_DOC_6 (Administrator Documentation)	Y	
GENERIC_DOC_7 (Service Reference Card)	Y	
GENERIC_DOC_8 (Software License)	Y	
GENERIC_DOC_9 (Release changes testing)	Y	
GENERIC_DIST_1 (Source Code Availability)	Y	
GENERIC_DIST_2 (Source Distribution)	Y	
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_SEC_1 (World Writable Files)	Y	
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Y	
GENERIC_MISC_2 (Bug Tracking System)	Y	
Security Capabilities QC		
AUTHN_IFACE_1 (X.509 Certificate support)	Y	
AUTHN_IFACE_2 (SAML authentication)	N (Opt)	
AUTHN_DELEG_1 (Delegation Interface)	TBD	
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	
Operations Capabilities QC		
MON_PROBE_GENERIC_2 (Service Probe)	Y	

Comments

RELEASE: UMD 1.6

VALIDATOR Ivan Diaz

RT TICKET:

Apache
Configurable, not In default conf.
Also chroot support
https://bugzilla.mcs.anl.gov/globus/

Via gridmap file

Manual testing

https://rt.egi.eu.globus-gridftp.s15.x86_64-5.2.0.xls  https://rt.egi.eu.globus-gridftp.s15.x86_64-5.2.0.xls

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

Name of the component	IGE.globus-gridftp.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	28/02/12
Verification start date	28/02/12	Verification end date	28/02/12

Summary:

GridFTP was installed from UMD repository without problems. Functionality worked perfectly after activating logging in startup script and creating an appropriate gridmap-file. It has no SAML support, but it is marked as optional.

Validator comments:

Used /etc/yum.repos.d/IGE.globus-gridftp.sl5.x86_64.repo repofile.

INSTALLATION

```
[root@test20 ~]# yum install ige-meta-globus-gridftp.noarch
Loaded plugins: kernel-module, priorities, protectbase
Repository EGI-trustanchors is listed more than once in the configuration
641 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package ige-meta-globus-gridftp.noarch 0:2.0-2.el5 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin

Dependencies Resolved

=====
Package                               Arch      Version
Repository                             Size
=====
Installing:
ige-meta-globus-gridftp                noarch   2.0-2.el5
IGE.globus-gridftp.sl5.x86_64          3.0 k

Transaction Summary
=====
Install      1 Package(s)
Upgrade     0 Package(s)

Total download size: 3.0 k
Is this ok [y/N]: n
Exiting on user Command
Complete!
[root@test20 ~]# yum remove globus-gridftp-*
Loaded plugins: kernel-module, priorities, protectbase
Repository EGI-trustanchors is listed more than once in the configuration
Setting up Remove Process
Resolving Dependencies
--> Running transaction check
---> Package globus-gridftp-server.x86_64 0:6.5-2.1.el5 set to be erased
---> Package globus-gridftp-server-control.x86_64 0:2.3-2.el5 set to be erased
---> Package globus-gridftp-server-control-devel.x86_64 0:2.3-2.el5 set to be erased
---> Package globus-gridftp-server-devel.x86_64 0:6.5-2.1.el5 set to be erased
---> Package globus-gridftp-server-progs.x86_64 0:6.5-2.1.el5 set to be erased
--> Finished Dependency Resolution
```

Beginning Kernel Module Plugin
Finished Kernel Module Plugin

Dependencies Resolved

```
=====
Package
Version      Repository      Arch      Size
=====
Removing:
 globus-gridftp-server      installed      x86_64      385 k      6.5-
 globus-gridftp-server-control      installed      x86_64      167 k      2.3-
 globus-gridftp-server-control-devel      installed      x86_64      37 k      2.3-
 globus-gridftp-server-devel      installed      x86_64      74 k      6.5-
 globus-gridftp-server-progs      installed      x86_64      87 k      6.5-
=====
```

Transaction Summary

```
=====
Remove      5 Package(s)
Reinstall   0 Package(s)
Downgrade   0 Package(s)
=====
```

Is this ok [y/N]: y
Downloading Packages:
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
Erasing : globus-gridftp-server-devel
1/5
Erasing : globus-gridftp-server-control-devel
2/5
Erasing : globus-gridftp-server-control
3/5
Erasing : globus-gridftp-server-progs
4/5
warning: /etc/gridftp.conf saved as /etc/gridftp.conf.rpmsave
Erasing : globus-gridftp-server
5/5

Removed:
globus-gridftp-server.x86_64 0:6.5-2.1.el5 globus-gridftp-server-control.x86_64 0:2.3-2.el5 globus-gridftp-server-control-devel.x86_64 0:2.3-2.el5 globus-gridftp-server-devel.x86_64 0:6.5-2.1.el5 globus-gridftp-server-progs.x86_64 0:6.5-2.1.el5

Complete!
[root@test20 ~]# clear

```
[root@test20 ~]# yum install ige-meta-globus-gridftp.noarch
Loaded plugins: kernel-module, priorities, protectbase
Repository EGI-trustanchors is listed more than once in the configuration
641 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package ige-meta-globus-gridftp.noarch 0:2.0-2.el5 set to be updated
--> Processing Dependency: globus-gridftp-server-control for package: ige-meta-globus-gridftp
--> Processing Dependency: globus-gridftp-server for package: ige-meta-globus-gridftp
--> Processing Dependency: globus-gridftp-server-devel for package: ige-meta-globus-gridftp
--> Processing Dependency: globus-gridftp-server-control-devel for package: ige-meta-globus-gridftp
--> Processing Dependency: globus-gridftp-server-progs for package: ige-meta-globus-gridftp
--> Running transaction check
---> Package globus-gridftp-server.x86_64 0:6.5-2.1.el5 set to be updated
---> Package globus-gridftp-server-control.x86_64 0:2.3-2.el5 set to be updated
---> Package globus-gridftp-server-control-devel.x86_64 0:2.3-2.el5 set to be updated
---> Package globus-gridftp-server-devel.x86_64 0:6.5-2.1.el5 set to be updated
---> Package globus-gridftp-server-progs.x86_64 0:6.5-2.1.el5 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
```

Dependencies Resolved

```
=====
Package
Repository      Size      Arch      Version
=====
Installing:
 ige-meta-globus-gridftp      noarch      2.0-2.el5
IGE.globus-gridftp.s15.x86_64      3.0 k
Installing for dependencies:
 globus-gridftp-server      x86_64      6.5-2.1.el5
IGE.globus-gridftp.s15.x86_64      165 k
 globus-gridftp-server-control      x86_64      2.3-2.el5
IGE.globus-gridftp.s15.x86_64      77 k
 globus-gridftp-server-control-devel      x86_64      2.3-2.el5
IGE.globus-gridftp.s15.x86_64      12 k
 globus-gridftp-server-devel      x86_64      6.5-2.1.el5
IGE.globus-gridftp.s15.x86_64      19 k
=====
```

```
globus-gridftp-server-progs                                x86_64                                6.5-2.1.e15
IGE.globus-gridftp.sl5.x86_64                            44 k
```

Transaction Summary

```
-----
Install      6 Package(s)
Upgrade      0 Package(s)
```

Total download size: 319 k

Is this ok [y/N]: y

Downloading Packages:

```
(1/6): ige-meta-globus-gridftp-2.0-2.e15.noarch.rpm
| 3.0 kB 00:00
(2/6): globus-gridftp-server-control-devel-2.3-2.e15.x86_64.rpm
| 12 kB 00:00
(3/6): globus-gridftp-server-devel-6.5-2.1.e15.x86_64.rpm
| 19 kB 00:00
(4/6): globus-gridftp-server-progs-6.5-2.1.e15.x86_64.rpm
| 44 kB 00:00
(5/6): globus-gridftp-server-control-2.3-2.e15.x86_64.rpm
| 77 kB 00:00
(6/6): globus-gridftp-server-6.5-2.1.e15.x86_64.rpm
| 165 kB 00:00
-----
```

Total

155 kB/s | 319 kB 00:02

Running rpm_check_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing      : globus-gridftp-server-control
1/6
Installing      : globus-gridftp-server
2/6
Installing      : globus-gridftp-server-control-devel
3/6
Installing      : globus-gridftp-server-progs
4/6
Installing      : globus-gridftp-server-devel
5/6
Installing      : ige-meta-globus-gridftp
6/6
```

Installed:

ige-meta-globus-gridftp.noarch 0:2.0-2.e15

Dependency Installed:

```
globus-gridftp-server.x86_64 0:6.5-2.1.e15      globus-gridftp-server-control.x86_64 0:2.3-2.e15  globus-
gridftp-server-control-devel.x86_64 0:2.3-2.e15  globus-gridftp-server-devel.x86_64 0:6.5-2.1.e15
globus-gridftp-server-progs.x86_64 0:6.5-2.1.e15
```

Complete!

CONFIGURATION

Init script was modified to include logging:

```
[root@test20 ~]# vim /etc/init.d/globus-gridftp-server
```

```
#!/bin/bash

#

# globus-gridftp-server

#

# chkconfig: - 20 80

# description: Controls the globus-gridftp-server

#

### BEGIN INIT INFO

# Provides:          globus-gridftp-server

# Required-Start:    $remote_fs $syslog

# Required-Stop:     $remote_fs $syslog

# Default-Stop:     0 1 2 3 4 5 6

# Short-Description: Globus Gridftp Server
```

```
# Description:      Globus Gridftp Server
### END INIT INFO

# source function library
. /etc/init.d/functions

sbindir="/usr/sbin"
sysconfdir="/etc"
localstatedir="/var"

rc=0
conf=${sysconfdir}/gridftp.conf
pidfile=${localstatedir}/run/globus-gridftp-server.pid
gridftpd=${sbindir}/globus-gridftp-server

start() {
    echo -n "Starting globus-gridftp-server: "
    if [ ! -f $conf ]; then
        cp $conf.default $conf;
    fi

    $gridftpd -S -c $conf -log-module stdio -log-level info,warn,error -logfile
/var/log/gridftp.log

    rc=$?

    [ $rc -eq 0 ] && success || failure
    [ $rc -eq 0 ] && touch /var/lock/subsys/globus-gridftp-server

    echo
    return $rc
}

stop() {
    echo -n "Stopping globus-gridftp-server: "
    killall -s INT $gridftpd 2>/dev/null

    rc=$?

    sleep 2

    killall -s KILL $gridftpd 2>/dev/null
}
```

```

    [ $rc -eq 0 ] && success || failure
    [ $rc -eq 0 ] && rm /var/lock/subsys/globus-gridftp-server

    echo
    return $rc
}

restart() {
    stop
    start
}

case "$1" in
    start)
        start
        ;;
    stop)
        stop
        ;;
    status)
        ;;
    restart | force-reload)
        restart
        ;;
    condrestart | try-restart)
        [ -e /var/lock/subsys/globus-gridftp-server ] && restart
        ;;
    reload)
        ;;
    *)
        echo "Usage: $0 {start|stop|status|restart|force-reload|condrestart|try-restart|
reload}"
        exit 1
        ;;
esac

exit $rc

```

Also, we added:


```
"/DC=es/DC=irisgrid/O=cesga/CN=host/test20.egi.cesga.es" grid
```

```
to /etc/grid-security/grid-mapfile
```

```
[root@test20 ~]# /etc/init.d/globus-gridftp-server start
```

```
Starting globus-gridftp-server: [ OK ]
```

```
[root@test20 ~]# globus-url-copy -vb -tcp-bs 2097152 -p 4 foo  
gsiftp://test20.egi.cesga.es/tmp/bar
```

```
Source: file:///root/
```

```
Dest: gsiftp://test20.egi.cesga.es/tmp/
```

```
foo -> bar
```

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP	0	0	0	0
VLD	17	0	0	17
	Specific Quality Criteria			
TP	0	0	0	0
VLD	6	0/2	0	8

Not applicable Quality Criteria

AUTHN_DELEG_1 (Delegation Interface) was marked as "TBD"

Failed Quality Criteria

AUTHN_IFACE_2 (SAML authentication)

This QC is optional and not implemented, so it does not impact the verification.

Comments for SR:

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 QC definition:

Comments for QCV:

Comments for DMSU: