

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

Name of the component	Globus-gram5		
Release	5.2.2	RT Ticket	4426
Software Provider	IGE		
	Mattias Ellert	mattias.ellert@fysast.uu.se	
Validator	Name:	E-Mail	
	Enol Fernández	enolfc@ifca.unican.es	
V. Hours Worked	2:00		
Component status	Accepted	Date	23/10/2012
Verification start date	23/10/2012	Verification end date	23/10/2012

Summary:

This is a release of GRAM5 that introduces mostly bug fixes and internal improvements. Tested with a single host with fork and torque (a very simple installation was performed in the same GRAM5 machine). In both cases the tests were successful.

GGUS Tickets:

None

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	15		2	17
	Specific Quality Criteria			
TP				
VLD	18		13	31

RELEASE:	IGE.globus-gram5.s	VALIDATOR:	Enol Fernandez	RT TICKET:	4426
Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments		

DOCUMENTATION QC

GENERIC_DOC_1 (Functional Description)	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_2 (Release Notes)	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_3 (User Documentation)	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_5 (API Documentation)	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_6 (Administrator Documentatio	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/
GENERIC_DOC_8 (Software License)	Y	VLD	Apache
GENERIC_DOC_9 (Release changes testing)	Y	VLD	All docs available from: http://globus.org.eu/toolkit/docs/5.2/5.2.2/gram5/

SOFTWARE DISTRIBUTION QC

GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Source available at globus repo
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Binary installed without issues

SOFTWARE FEATURES QC

GENERIC_SOFT_1 (Backwards Compatibility)	Not tested	VLD	No previous UI available for testing
GENERIC_SOFT_2 (New features testing)	Y	VLD	Changes are internal improvements, tested basic features

SERVICE CRITERIA QC

GENERIC_SERVICE_1 (Service control and sta	Y	VLD	Startup scripts available and working
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Log files in standard locations avaiailable
GENERIC_SERVICE_3 (Service Reliability)	NA	VLD	Tests available at Quality Report
GENERIC_SERVICE_4 (Service Robustness)	NA	VLD	Tests available at Quality Report
GENERIC_SERVICE_6 (Default Password Conf	Y	VLD	No default password config

SECURITY QC

GENERIC_SEC_1 (World Writable Files)	Y	VLD	See log report
GENERIC_SEC_3 (Passwords in world readable	Y	VLD	No passwords stored in files

MISCELLANEOUS QC

GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	IGE enrolled in GGUS
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AUTHENTICATION QC

AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Tested with proxies
AUTHN_DELEG_1 (Delegation Interface)	NA	VLD	No delegation

AUTHORISATION QC

AUTHZ_PCYDEF_3 (Ban User/FQAN)	NA	VLD	Only white-list users, no banning
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	Only with users (no groups)
AUTHZ_PEP_1 (Policy Enforcement)	Y	VLD	Correct enforcement of policy
AUTHZ_PEP_2 (User Mapping)	Y	VLD	Simple accounts correctly mapped

JOB EXECUTION QC

JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD/TP	GRAM5 interface supported (simple tests + reports from TP)
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	See report
JOBEXEC_JOB_2 (Simple Job with input/output	Y	VLD	See report
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	See report

JOBEXEC_EXECMNGR_1 (Not Invasive Deploy)	Y	VLD	No changes needed in the deployment
JOBEXEC_EXECMNGR_2 (Job Management)	Y	VLD	Indirectly tested by JOBEXEC_JOB_*
JOBEXEC_EXECMNGR_3 (Information Retrieval)	NA	VLD	No info published
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	No problem in having more than one GRAM5
JOBEXEC_AVAIL_2 (Self Disabling Mechanism)	NA	VLD	Not available
JOBEXEC_AVAIL_4 (Timely Job Status Updates)	Y	VLD	See report
PARALLEL JOB QC			
PARALLEL_JOB_1 (Simple parallel job submission)	Y	VLD	See report, used count attribute
PARALLEL_JOB_2 (Single machine parallel job)	NA	VLD	host_count available, not enough resources for testing
PARALLEL_JOB_3 (Fine grained mapping parallel)	NA	VLD	Should be tested with real LRMS
PARALLEL_MPI_1 (Precompiled MPI job Execution)	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
PARALLEL_MPI_2 (MPI job Execution from source)	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
PARALLEL_OMP_1 (Precompiled OpenMP job Execution)	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
PARALLEL_OMP_2 (OpenMP job Execution from source)	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	NA	VLD	No probe available
MON_PROBE_GENERIC_2 (Service Probe)	NA	VLD	No probe available
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances Available)	NA	VLD	Not provided by gram5
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command line Options coherence)	Y	VLD	Man and -h options ok
CLIENT_TOOLS_2 (Error Messages)	Y	VLD	Errors are descriptive

Validator comments:

Installation:

```
[root@test27 yum.repos.d]# wget http://admin-repo.egi.eu/sw/unverified/umd-2.ige.globus-gram5.sl6.x86_64/5/2/2/repofiles/IGE.globus-gram5.sl6.x86_64.repo
--2012-10-23 11:28:50-- http://admin-repo.egi.eu/sw/unverified/umd-2.ige.globus-gram5.sl6.x86_64/5/2/2/repofiles/IGE.globus-gram5.sl6.x86_64.repo
Resolving admin-repo.egi.eu... 195.251.54.94
Connecting to admin-repo.egi.eu|195.251.54.94|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 341 [text/plain]
Saving to: "IGE.globus-gram5.sl6.x86_64.repo"
```

```
100%[=====>] 341
--.-K/s in 0s
```

```
2012-10-23 11:28:50 (58.5 MB/s) - "IGE.globus-gram5.sl6.x86_64.repo" saved
[341/341]
```

```
[root@test27 yum.repos.d]# yum install ige-meta-globus-gram5
Loaded plugins: priorities, security
138 packages excluded due to repository priority protections
Setting up Install Process
Resolving Dependencies
[...]
Installed:
  ige-meta-globus-gram5.noarch 0:3.0-1.el6
```

```
Dependency Installed:
  fedora-usermgmt.noarch 0:0.10-1200.el6
  fedora-usermgmt-core.noarch 0:0.10-1200.el6
  fedora-usermgmt-default-fedora-setup.noarch 0:0.10-1200.el6
  fedora-usermgmt-shadow-utils.noarch 0:0.10-1200.el6
  globus-callout.x86_64 0:2.2-1.el6
  globus-callout-devel.x86_64 0:2.2-1.el6
  globus-common.x86_64 0:14.7-1.el6
  globus-common-devel.x86_64 0:14.7-1.el6
  globus-common-progs.x86_64 0:14.7-1.el6
  globus-core.x86_64 0:8.9-1.el6
  globus-ftp-client.x86_64 0:7.4-1.el6
  globus-ftp-control.x86_64 0:4.4-1.el6
  globus-gass-cache.x86_64 0:8.1-2.el6
  globus-gass-cache-program.x86_64 0:5.2-1.el6
  globus-gass-copy.x86_64 0:8.6-1.el6
  globus-gass-copy-progs.x86_64 0:8.6-1.el6
  globus-gass-server-ez.x86_64 0:4.3-1.el6
  globus-gass-transfer.x86_64 0:7.2-1.el6
  globus-gatekeeper.x86_64 0:9.14-1.el6
  globus-gram-audit.noarch 0:3.2-1.el6
  globus-gram-client.x86_64 0:12.4-1.el6
  globus-gram-client-devel.x86_64 0:12.4-1.el6
  globus-gram-client-doc.noarch 0:12.4-1.el6
  globus-gram-client-tools.x86_64 0:10.4-1.el6
  globus-gram-job-manager.x86_64 0:13.48-1.1.el6
  globus-gram-job-manager-callout-error.x86_64 0:2.1-2.el6
  globus-gram-job-manager-callout-error-devel.x86_64 0:2.1-2.el6
  globus-gram-job-manager-callout-error-doc.noarch 0:2.1-2.el6
  globus-gram-job-manager-condor.noarch 0:1.3-1.el6
  globus-gram-job-manager-doc.noarch 0:13.48-1.1.el6
  globus-gram-job-manager-fork.x86_64 0:1.5-1.el6
  globus-gram-job-manager-fork-setup-poll.noarch 0:1.5-1.el6
  globus-gram-job-manager-fork-setup-seg.x86_64 0:1.5-1.el6
  globus-gram-job-manager-pbs.x86_64 0:1.5-1.el6
  globus-gram-job-manager-pbs-setup-poll.noarch 0:1.5-1.el6
  globus-gram-job-manager-pbs-setup-seg.x86_64 0:1.5-1.el6
```

globus-gram-job-manager-scripts.noarch 0:4.2-2.el6
globus-gram-job-manager-scripts-doc.noarch 0:4.2-2.el6
globus-gram-job-manager-sge.x86_64 0:1.5-1.el6
globus-gram-job-manager-sge-setup-poll.noarch 0:1.5-1.el6
globus-gram-job-manager-sge-setup-seg.x86_64 0:1.5-1.el6
globus-gram-protocol.x86_64 0:11.3-4.el6
globus-gram-protocol-devel.x86_64 0:11.3-4.el6
globus-gram-protocol-doc.noarch 0:11.3-4.el6
globus-gsi-callback.x86_64 0:4.3-1.el6
globus-gsi-callback-devel.x86_64 0:4.3-1.el6
globus-gsi-cert-utils.x86_64 0:8.3-1.el6
globus-gsi-cert-utils-devel.x86_64 0:8.3-1.el6
globus-gsi-cert-utils-progs.x86_64 0:8.3-1.el6
globus-gsi-credential.x86_64 0:5.3-1.el6
globus-gsi-credential-devel.x86_64 0:5.3-1.el6
globus-gsi-openssl-error.x86_64 0:2.1-2.el6
globus-gsi-openssl-error-devel.x86_64 0:2.1-2.el6
globus-gsi-proxy-core.x86_64 0:6.2-1.el6
globus-gsi-proxy-core-devel.x86_64 0:6.2-1.el6
globus-gsi-proxy-ssl.x86_64 0:4.1-2.el6
globus-gsi-proxy-ssl-devel.x86_64 0:4.1-2.el6
globus-gsi-sysconfig.x86_64 0:5.3-1.el6
globus-gsi-sysconfig-devel.x86_64 0:5.3-1.el6
globus-gss-assist.x86_64 0:8.6-1.el6
globus-gss-assist-devel.x86_64 0:8.6-1.el6
globus-gssapi-error.x86_64 0:4.1-2.el6
globus-gssapi-error-devel.x86_64 0:4.1-2.el6
globus-gssapi-gsi.x86_64 0:10.7-1.el6
globus-gssapi-gsi-devel.x86_64 0:10.7-1.el6
globus-io.x86_64 0:9.3-1.el6
globus-io-devel.x86_64 0:9.3-1.el6
globus-openssl-module.x86_64 0:3.2-1.el6
globus-openssl-module-devel.x86_64 0:3.2-1.el6
globus-proxy-utils.x86_64 0:5.0-2.el6
globus-rsl.x86_64 0:9.1-2.el6
globus-rsl-devel.x86_64 0:9.1-2.el6
globus-rsl-doc.noarch 0:9.1-2.el6
globus-scheduler-event-generator.x86_64 0:4.6-1.el6
globus-scheduler-event-generator-devel.x86_64 0:4.6-1.el6
globus-scheduler-event-generator-doc.noarch 0:4.6-1.el6
globus-scheduler-event-generator-progs.x86_64 0:4.6-1.el6
globus-usage.x86_64 0:3.1-2.el6
globus-xio.x86_64 0:3.3-1.el6
globus-xio-devel.x86_64 0:3.3-1.el6
globus-xio-gsi-driver.x86_64 0:2.3-1.el6
globus-xio-gsi-driver-devel.x86_64 0:2.3-1.el6
globus-xio-popen-driver.x86_64 0:2.3-1.el6
gridengine.x86_64 0:6.2u5-10.el6.4
jemalloc.x86_64 0:3.0.0-2.el6
keyutils-libs-devel.x86_64 0:1.4-4.el6
krb5-devel.x86_64 0:1.9-33.el6_3.2
ksh.x86_64 0:20100621-16.el6
libcom_err-devel.x86_64 0:1.41.12-12.el6
libselinux-devel.x86_64 0:2.0.94-5.3.el6
libsepol-devel.x86_64 0:2.0.41-4.el6
libtool-ltdl.x86_64 0:2.2.6-15.5.el6
mailcap.noarch 0:2.1.31-2.el6
munge.x86_64 0:0.5.10-1.el6
munge-libs.x86_64 0:0.5.10-1.el6
openssl-devel.x86_64 0:1.0.0-20.el6_2.5
perl.x86_64 4:5.10.1-127.el6
perl-Compress-Raw-Zlib.x86_64 1:2.020-127.el6
perl-Compress-Zlib.x86_64 0:2.020-127.el6
perl-DBI.x86_64 0:1.609-4.el6
perl-HTML-Parser.x86_64 0:3.64-2.el6
perl-HTML-Tagset.noarch 0:3.20-4.el6
perl-IO-Compress-Base.x86_64 0:2.020-127.el6
perl-IO-Compress-Zlib.x86_64 0:2.020-127.el6
perl-Module-Pluggable.x86_64 1:3.90-127.el6

```
perl-Pod-Escapes.x86_64 1:1.04-127.el6
perl-Pod-Simple.x86_64 1:3.13-127.el6
perl-URI.noarch 0:1.40-2.el6
perl-XML-Parser.x86_64 0:2.36-7.el6
perl-libs.x86_64 4:5.10.1-127.el6
perl-libwww-perl.noarch 0:5.833-2.el6
perl-version.x86_64 3:0.77-127.el6
pkgconfig.x86_64 1:0.23-9.1.el6
tcl.x86_64 1:8.5.7-6.el6
tcsh.x86_64 0:6.17-19.el6_2
torque.x86_64 0:2.5.7-9.el6
torque-client.x86_64 0:2.5.7-9.el6
torque-libs.x86_64 0:2.5.7-9.el6
zlib-devel.x86_64 0:1.2.3-27.el6
```

Complete!

Check services:

```
[root@test27 yum.repos.d]# service globus-gatekeeper
Usage: /etc/init.d/globus-gatekeeper
{start|stop|status|restart|condrestart|try-restart|reload|force-reload}
[root@test27 yum.repos.d]# service globus-gatekeeper status
globus-gatekeeper is not running
[root@test27 yum.repos.d]# service globus-gatekeeper start
Started globus-gatekeeper
[root@test27 yum.repos.d]# service globus-gatekeeper status
globus-gatekeeper is running (pid=12257)
[root@test27 yum.repos.d]# service globus-gatekeeper stop
Stopped globus-gatekeeper
[root@test27 yum.repos.d]# service globus-gatekeeper status
globus-gatekeeper is not running
[root@test27 yum.repos.d]# ps aux | grep gatekeeper
root      12282  0.0  0.0 103236   828 pts/0    S+   11:44   0:00 grep
gatekeeper
[root@test27 yum.repos.d]# service globus-gatekeeper start
Started globus-gatekeeper
[root@test27 yum.repos.d]# ps aux | grep gatekeeper
root      12290  0.0  0.0  68432   972 ?        S    11:44   0:00
/usr/sbin/globus-gatekeeper -pidfile /var/run/globus-gatekeeper.pid -p 2119 -l
/var/log/globus-gatekeeper.log
root      12293  0.0  0.0 103236   832 pts/0    S+   11:45   0:00 grep
gatekeeper
[root@test27 yum.repos.d]#

# tail /var/log/globus-gatekeeper.log
TIME: Tue Oct 23 11:45:45 2012
PID: 12290 -- Failure: Gatekeeper shutdown on signal:15
TIME: Tue Oct 23 11:45:52 2012
PID: 12311 -- Notice: 6: /usr/sbin/globus-gatekeeper pid=12311 starting at
Tue Oct 23 11:45:52 2012

TIME: Tue Oct 23 11:45:52 2012
PID: 12311 -- Notice: 6: GRAM contact:
test27.egi.cesga.es:2119:/DC=es/DC=irisgrid/0=cesga/CN=host/test27.egi.cesga.e
s

TIME: Tue Oct 23 11:45:52 2012
PID: 12311 -- Notice: 0: GATEKEEPER_ACCT_FD=6 (/var/log/globus-
gatekeeper.log)
```

Logs:

- log created in standard location: /var/log/globus-gatekeeper.log and under /var/log/globus

Configuration:

```
[root@test27 ~]# globus-gatekeeper-admin -l
jobmanager-condor [DISABLED]
jobmanager-fork-poll [DISABLED]
jobmanager-fork-seg [DISABLED]
jobmanager-pbs-poll [DISABLED]
jobmanager-pbs-seg [DISABLED]
jobmanager-sge-poll [DISABLED]
jobmanager-sge-seg [DISABLED]
[root@test27 ~]# globus-gatekeeper-admin -e jobmanager-fork-poll -n jobmanager-
[root@test27 ~]# globus-gatekeeper-admin -e jobmanager-pbs-poll -n jobmanager-
pbs
[root@test27 ~]# globus-gatekeeper-admin -e jobmanager-pbs-seg -n jobmanager-
pbs2
[root@test27 ~]# globus-gatekeeper-admin -l
jobmanager-condor [DISABLED]
jobmanager-fork-poll [ENABLED]
jobmanager-fork-seg [DISABLED]
jobmanager-pbs-poll [ENABLED]
jobmanager-pbs-seg [ENABLED]
jobmanager-sge-poll [DISABLED]
jobmanager-sge-seg [DISABLED]
jobmanager [ALIAS to jobmanager-fork-poll]
jobmanager-pbs [ALIAS to jobmanager-pbs-poll]
jobmanager-pbs2 [ALIAS to jobmanager-pbs-seg]
[root@test27 ~]# globus-scheduler-event-generator-admin -e pbs
[root@test27 ~]# globus-scheduler-event-generator-admin -l
fork [DISABLED]
pbs [ENABLED]
sge [DISABLED]
[root@test27 ~]# service globus-scheduler-event-generator status
globus-scheduler-event-generator (pbs) is running (pid=15814)
```

Tests:

1. Created test accounts: enol & test
2. Created grid-mapfile mapping "/DC=es/DC=irisgrid/O=ifca/CN=Enol-Fernandez-delCastillo" to test
3. Copied valid proxy to enol account
4. Job tests with fork:

```
### Simple whoami:
test

### File transfer:
ls -l myfile
-rw-rw-r-- 1 enol enol 35658 Oct 23 17:22 myfile
job:
&
(executable=/bin/ls)
(arguments=-l)
(file_stage_in = ($(GLOBUSRUN_GASS_URL) # "/home/enol/myfile" afile))
output:
total 36
-rw-r--r-- 1 test test 35658 Oct 23 17:22 afile

### Job Status:
```

```

job:
&
(executable=/bin/sleep)
(arguments=1m)
job id:
https://test27.egi.cesga.es:42626/16289842136445217406/4693754399514830218/
Tue Oct 23 17:22:45 CEST 2012
Status: ACTIVE
Tue Oct 23 17:23:05 CEST 2012
Status: ACTIVE
Tue Oct 23 17:23:25 CEST 2012
Status: ACTIVE
Tue Oct 23 17:23:45 CEST 2012
Status: ACTIVE
Tue Oct 23 17:24:05 CEST 2012
Status: DONE

```

Job Cancel:

```

job:
&
(executable=/bin/sleep)
(arguments=10m)
Tue Oct 23 17:24:25 CEST 2012
job id:
https://test27.egi.cesga.es:42626/16289842137691301306/4693754399514830218/
ACTIVE
Tue Oct 23 17:25:25 CEST 2012
Cancelling...
Status post cancel:
DONE

```

Parallel job:

```

job:
&
(executable=/bin/ls)
(arguments=-ltr)
(count=2)
output:
total 36
-rw-r--r-- 1 test test 35658 Oct 23 17:22 afile
total 36
-rw-r--r-- 1 test test 35658 Oct 23 17:22 afile

```

5. Job tests with pbs (poll):

```

*** Using jobmanager-pbs ***
### Simple whoami:
test

### File transfer:
ls -l myfile
-rw-rw-r-- 1 enol enol 115320 Oct 23 17:26 myfile
job:
&
(executable=/bin/ls)
(arguments=-l)
(file_stage_in = (${GLOBUSRUN_GASS_URL} # "/home/enol/myfile" afile))
output:
total 120
-rw-r--r-- 1 test test 115320 Oct 23 17:26 afile

### Job Status:
job:
&
(executable=/bin/sleep)

```



```
(arguments=1m)
job id:
https://test27.egi.cesga.es:59295/16289843234786707211/4693754399514840210/
Tue Oct 23 17:26:40 CEST 2012
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
53.test27      STDIN         test          0 R testq
Tue Oct 23 17:27:00 CEST 2012
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
53.test27      STDIN         test          0 R testq
Tue Oct 23 17:27:20 CEST 2012
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
53.test27      STDIN         test          0 R testq
Tue Oct 23 17:27:40 CEST 2012
Status: ACTIVE
PBS Status:
Tue Oct 23 17:28:00 CEST 2012
Status: DONE
PBS Status:
```

```
### Job Cancel:
job:
&
(executable=/bin/sleep)
(arguments=10m)
Tue Oct 23 17:28:20 CEST 2012
job id:
https://test27.egi.cesga.es:59295/16289843236931818566/4693754399514840210/
ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
54.test27      STDIN         test          0 R testq
Tue Oct 23 17:29:21 CEST 2012
Cancelling...
PBS Status:
Status post cancel:
DONE
PBS Status:
```

6. Job tests with pbs (seg):

```
*** Using jobmanager-pbs2 ***
### Simple whoami:
test

### File transfer:
ls -l myfile
-rw-rw-r-- 1 enol enol 138480 Oct 23 17:30 myfile
job:
&
(executable=/bin/ls)
(arguments=-l)
(file_stage_in = (${GLOBUSRUN_GASS_URL} # "/home/enol/myfile" afile))
output:

total 140
```

```
-rw-r--r-- 1 test test 138480 Oct 23 17:30 afile
```

```
### Job Status:
```

```
job:
```

```
&
```

```
(executable=/bin/sleep)
```

```
(arguments=1m)
```

```
job id:
```

```
https://test27.egi.cesga.es:59295/1628984323377675406/4693754399514840210/
```

```
Tue Oct 23 17:30:21 CEST 2012
```

```
Status: ACTIVE
```

```
PBS Status:
```

```
Job id Name User Time Use S Queue
```

```
-----
```

```
57.test27 STDIN test 0 R testq
```

```
Tue Oct 23 17:30:41 CEST 2012
```

```
Status: ACTIVE
```

```
PBS Status:
```

```
Job id Name User Time Use S Queue
```

```
-----
```

```
57.test27 STDIN test 0 R testq
```

```
Tue Oct 23 17:31:01 CEST 2012
```

```
Status: ACTIVE
```

```
PBS Status:
```

```
Job id Name User Time Use S Queue
```

```
-----
```

```
57.test27 STDIN test 0 R testq
```

```
Tue Oct 23 17:31:21 CEST 2012
```

```
Status: ACTIVE
```

```
PBS Status:
```

```
Tue Oct 23 17:31:41 CEST 2012
```

```
Status: DONE
```

```
PBS Status:
```

```
### Job Cancel:
```

```
job:
```

```
&
```

```
(executable=/bin/sleep)
```

```
(arguments=10m)
```

```
Tue Oct 23 17:32:01 CEST 2012
```

```
job id:
```

```
https://test27.egi.cesga.es:59295/16289843234883582666/4693754399514840210/
```

```
PENDING
```

```
PBS Status:
```

```
Job id Name User Time Use S Queue
```

```
-----
```

```
58.test27 STDIN test 0 R testq
```

```
Tue Oct 23 17:33:01 CEST 2012
```

```
Cancelling...
```

```
PBS Status:
```

```
Status post cancel:
```

```
DONE
```

```
PBS Status:
```

7. Look for world writable files:

```
# find / -xdev -type f -perm -o+w -exec ls -l {} \;
```

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):

Default configuration in `/etc/sysconfig/globus-scheduler-event-generator` does not work out of the box. Change `/${sysconfigdir}` to `/etc` and `/${localstatedir}` to `/var`

Comments for DMSU (TSA2.5):

Comments for TP: