

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

Name of the component	globus-gram5-ige		
Release	5.2.3	RT Ticket	4915
Software Provider	IGE		
	Mattias Ellert	mattias.ellert@fysast.uu.se	
Validator	Name:	E-Mail	
	Enol Fernández	enolfc@ifca.unican.es	
V. Hours Worked	0:30		
Component status	<b>Accepted</b>	Date	20/02/2013
Verification start date	20/02/2013	Verification end date	20/02/2013

**Summary:**

This is a verification of GRAM5 version 5.2.3 with no new functionality introduced. Gram5 5.2.3 improves memory/process management and the scalability and reliability of the product. Verification was performed against fork + pbs jobmanager. No issues were found.

**GGUS Tickets:**

None

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	19		3	21
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	15		12	27

<b>RELEASE:</b>	IGE.globus-gram5-id	<b>VALIDATOR:</b>	Enol Fernandez	<b>RT TICKET:</b>	4915
<b>Criteria</b>	<b>Accepted (Y/N/NA)</b>	<b>Tested (TP/VLD)</b>	<b>Comments</b>		
<b>DOCUMENTATION QC</b>					
GENERIC_DOC_1 (Functional Description)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_2 (Release Notes)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_3 (User Documentation)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_4 (Online help (man pages)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_5 (API Documentation)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_6 (Administrator Document)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
GENERIC_DOC_8 (Software License)	Y	VLD	Apache		
GENERIC_DOC_9 (Release changes testing)	Y	VLD	All docs available from: <a href="http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/">http://globus.org.eu/toolkit/docs/5.2/5.2.3/gram5/</a>		
<b>SOFTWARE DISTRIBUTION QC</b>					
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Source available at globus repo		
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Binary installed without issues		
<b>SOFTWARE FEATURES QC</b>					
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		
<b>SERVICE CRITERIA QC</b>					
GENERIC_SERVICE_1 (Service control and	Y	VLD	Startup scripts available and working		
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Log files in standard locations available		
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 Config)	Y	VLD	No default password config		
GENERIC_SERVICE_7 (Default Configuration)	NA	VLD	No automatic configuration		
<b>SECURITY QC</b>					
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		
<b>MISCELLANEOUS QC</b>					
GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	IGE enrolled in GGUS		
<b>AUTHENTICATION QC</b>					
AUTHN_CRED_1 (X.509 Certificate support)	Y	VLD	Tested with X.509 proxy		
AUTHN_CRED_2 (SHA2 Certificate support)	Y	VLD	Client proxy with SHA2		
AUTHN_CRED_3 (RFC Proxy support)	Y	VLD	Tested with RFC Client proxy		
AUTHN_PROTO_1 (TLSSSLv3 Support)	Not tested	VLD	Not tested, globus uses GSI		
AUTHN_DELEG_1 (Delegation Interface)	NA	VLD	No delegation		
<b>AUTHORISATION QC</b>					
AUTHZ_PCYDEF_3 (Ban UserGroup of use)	Not tested	VLD	Tested in previous release		
AUTHZ_PCYDEF_4 (Allowed users definition)	Not tested	VLD	Tested in previous release		
AUTHZ_PEP_2 (User Mapping)	Y	VLD	See log report		
<b>JOB EXECUTION QC</b>					
JOBEXEC_IFACE_1 (Job Execution Interface)	Y	VLD	GRAM5 interface supported (simple tests)		
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	See report		

JOBEXEC_JOB_2 (Simple Job with inputout	Y	VLD	See report
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	See report
JOBEXEC_EXECMNGR_1 (Not Invasive De	Y	VLD	No changes needed in the deployment
JOBEXEC_EXECMNGR_2 (Job Managemen	Y	VLD	Indirectly tested by JOBEXEC_JOB_*
JOBEXEC_EXECMNGR_3 (Information Ret	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 Mechan	NA	VLD	Not available
JOBEXEC_AVAIL_4 (Timely Job Status Upd	Y	VLD	See report
<b>PARALLEL JOB QC</b>			
PARALLEL_JOB_1 (Simple parallel job subn	Y	VLD	See report, used count attribute
PARALLEL_JOB_2 (Single machine parallel	NA	VLD	host_count available, not enough resources for testing
PARALLEL_JOB_3 (Fine grained mapping p	NA	VLD	Should be tested with real LRMS
PARALLEL_MPI_1 (Precompiled MPI job Ex	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
PARALLEL_MPI_2 (MPI job Execution from	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
PARALLEL_OMP_1 (Precompiled OpenMP	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
PARALLEL_OMP_2 (OpenMP job Execution	NA	VLD	Functionality not provided by GRAM, may be achieved by external tools
<b>MONITORING PROBES QC</b>			
MON_PROBE_GENERIC_1 (Certificate Life	NA	VLD	No probe available
MON_PROBE_GENERIC_2 (Service Probe)	NA	VLD	No probe available
<b>ACCOUNTING CAPABILITY QC</b>			
ACC_JOBEXEC_1 (Job Execution Appliance	NA	VLD	Not provided by gram5
<b>CLIENT TOOLS QC</b>			
CLIENT_TOOLS_1 (Command line options d	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]# yum install ige-meta-globus-gram5
[...]
Installed:
  ige-meta-globus-gram5.noarch 0:3.1-1.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 0:14.9-1.el6
  globus-common-devel.x86_64 0:14.9-1.el6
  globus-common-progs.x86_64 0:14.9-1.el6
  globus-core.x86_64 0:8.9-2.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 0:13.51-1.1.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 0:1.4-1.el6
  globus-gram-job-manager-doc.noarch 0:13.51-1.1.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-lsf.x86_64 0:1.1-1.el6
  globus-gram-job-manager-lsf-setup-poll.noarch 0:1.1-1.el6
  globus-gram-job-manager-lsf-setup-seg.x86_64 0:1.1-1.el6
  globus-gram-job-manager-pbs.x86_64 0:1.6-1.el6
  globus-gram-job-manager-pbs-setup-poll.noarch 0:1.6-1.el6
  globus-gram-job-manager-pbs-setup-seg.x86_64 0:1.6-1.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 0:1.5-2.el6
  globus-gram-job-manager-sge-setup-poll.noarch 0:1.5-2.el6
  globus-gram-job-manager-sge-setup-seg.x86_64 0:1.5-2.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 0:4.4-1.el6
  globus-gsi-callback-devel.x86_64 0:4.4-1.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 0:4.7-1.el6
globus-scheduler-event-generator-devel.x86_64 0:4.7-1.el6
globus-scheduler-event-generator-doc.noarch 0:4.7-1.el6
globus-scheduler-event-generator-progs.x86_64 0:4.7-1.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 0:3.2.0-1.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
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-client.x86_64 0:2.5.7-9.el6
zlib-devel.x86_64 0:1.2.3-27.el6
```

Complete!

### Check services:

+ service globus-gatekeeper

```

Usage: /etc/init.d/globus-gatekeeper
{start|stop|status|restart|condrestart|try-restart|reload|force-reload}
+ service globus-gatekeeper status
globus-gatekeeper is not running
+ service globus-gatekeeper start
Started globus-gatekeeper
+ service globus-gatekeeper status
globus-gatekeeper is running (pid=8513)
+ grep gatekeeper
+ ps aux
root      8513  0.0  0.0 68432  968 ?        S    09:42   0:00
/usr/sbin/globus-gatekeeper -pidfile /var/run/globus-gatekeeper.pid -p 2119 -l
/var/log/globus-gatekeeper.log
root      8523  0.0  0.0 103236  836 pts/0    S+   09:42   0:00 grep
gatekeeper
+ service globus-gatekeeper stop
Stopped globus-gatekeeper
+ service globus-gatekeeper status
globus-gatekeeper is not running
+ grep gatekeeper
+ ps aux
root      8540  0.0  0.0 103236  832 pts/0    S+   09:42   0:00 grep
gatekeeper
+ service globus-gatekeeper start
Started globus-gatekeeper
+ tail /var/log/globus-gatekeeper.log
TIME: Wed Feb 20 09:42:06 2013
  PID: 8513 -- Failure: Gatekeeper shutdown on signal:15
TIME: Wed Feb 20 09:42:07 2013
  PID: 8547 -- Notice: 6: /usr/sbin/globus-gatekeeper pid=8547 starting at Wed
Feb 20 09:42:07 2013

TIME: Wed Feb 20 09:42:07 2013
  PID: 8547 -- Notice: 6: GRAM contact:
test27.egi.cesga.es:2119:/DC=es/DC=irisgrid/0=rediris-test-egi-cesga-sha-
2/CN=test27.egi.cesga.es

TIME: Wed Feb 20 09:42:07 2013
  PID: 8547 -- 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:

```

+ globus-gatekeeper-admin -l
jobmanager-condor [DISABLED]
jobmanager-fork-poll [DISABLED]
jobmanager-fork-seg [DISABLED]
jobmanager-lsf-poll [DISABLED]
jobmanager-lsf-seg [DISABLED]
jobmanager-pbs-poll [DISABLED]
jobmanager-pbs-seg [DISABLED]
jobmanager-sge-poll [DISABLED]
jobmanager-sge-seg [DISABLED]
+ globus-gatekeeper-admin -e jobmanager-fork-poll -n jobmanager
+ globus-gatekeeper-admin -e jobmanager-pbs-poll -n jobmanager-pbs
+ globus-gatekeeper-admin -e jobmanager-pbs-seg -n jobmanager-pbs2
+ globus-gatekeeper-admin -l
jobmanager-condor [DISABLED]
jobmanager-fork-poll [ENABLED]
jobmanager-fork-seg [DISABLED]
jobmanager-lsf-poll [DISABLED]
jobmanager-lsf-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]
+ globus-scheduler-event-generator-admin -e pbs
+ globus-scheduler-event-generator-admin -l
fork [DISABLED]
lsf [DISABLED]
pbs [ENABLED]
sge [DISABLED]
+ service globus-scheduler-event-generator status
globus-scheduler-event-generator (pbs) is not running
globus-scheduler-event-generator not running, no LRMs installed
+ service globus-scheduler-event-generator start
Started globus-scheduler-event-generator for (pbs)
+ service globus-scheduler-event-generator status
globus-scheduler-event-generator (pbs) is running (pid=8648)

```

### Tests:

1. Created test accounts: enol & test
2. Created grid-mapfile mapping to test
3. Copied valid proxy to enol account

```

+grid-proxy-init
Your identity: /DC=es/DC=irisgrid/O=ifca/CN=Enol-Fernandez-delCastillo
Creating proxy .....
Done
Your proxy is valid until: Wed Feb 20 21:42:25 2013
+grid-proxy-info
subject  : /DC=es/DC=irisgrid/O=ifca/CN=Enol-Fernandez-
delCastillo/CN=217166645
issuer   : /DC=es/DC=irisgrid/O=ifca/CN=Enol-Fernandez-delCastillo
identity : /DC=es/DC=irisgrid/O=ifca/CN=Enol-Fernandez-delCastillo
type     : RFC 3820 compliant impersonation proxy
strength : 512 bits
path     : /tmp/x509up_u500
timeleft : 11:59:59

```

### 4. Job tests with fork:

```

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

### File transfer:
ls -l myfile
-rw-rw-r-- 1 enol enol 24343 Feb 20 09:42 myfile
job:
&
(executable=/bin/ls)
(arguments=-l)
(file_stage_in = ($(GLOBUSRUN_GASS_URL) # "/home/enol/myfile" afile))
output:
total 24
-rw-r--r-- 1 test test 24343 Feb 20 09:42 afile

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

```

```

(arguments=1m)
job id:
https://test27.egi.cesga.es:36767/16289864528675158901/4693754395253464740/
Wed Feb 20 09:42:28 CET 2013
Status: ACTIVE
Wed Feb 20 09:42:48 CET 2013
Status: ACTIVE
Wed Feb 20 09:43:08 CET 2013
Status: ACTIVE
Wed Feb 20 09:43:28 CET 2013
Status: ACTIVE
Wed Feb 20 09:43:48 CET 2013
Status: DONE

### Job Cancel:
job:
&
(executable=/bin/sleep)
(arguments=10m)
Wed Feb 20 09:44:08 CET 2013
job id:
https://test27.egi.cesga.es:36767/16289864528972418481/4693754395253464740/
ACTIVE
Wed Feb 20 09:45:09 CET 2013
Cancelling...
Status post cancel:
DONE

### Parallel job:
job:
&
(executable=/bin/ls)
(arguments=-ltr)
(count=2)
output:
total 24
-rw-r--r-- 1 test test 24343 Feb 20 09:42 afile
total 24
-rw-r--r-- 1 test test 24343 Feb 20 09:42 afile

```

## 5. Job tests with pbs (poll):

```

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

### File transfer:
ls -l myfile
-rw-rw-r-- 1 enol enol 37178 Feb 20 09:49 myfile
job:
&
(executable=/bin/ls)
(arguments=-l)
(file_stage_in = (${GLOBUSRUN_GASS_URL} # "/home/enol/myfile" afile))
output:
total 40
-rw-r--r-- 1 test test 37178 Feb 20 09:49 afile

### Job Status:
job:
&
(executable=/bin/sleep)
(arguments=1m)
job id:
https://test27.egi.cesga.es:45602/16289865631393376361/4693754395253419142/

```



```

Wed Feb 20 09:49:19 CET 2013
Status: PENDING
PBS Status:
Job id          Name          User          Time Use S Queue
-----
62.test27      STDIN          test          0 R testq
Wed Feb 20 09:49:39 CET 2013
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
62.test27      STDIN          test          0 R testq
Wed Feb 20 09:49:59 CET 2013
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
62.test27      STDIN          test          0 R testq
Wed Feb 20 09:50:19 CET 2013
Status: ACTIVE
PBS Status:
Wed Feb 20 09:50:39 CET 2013
Status: DONE
PBS Status:

### Job Cancel:
job:
&
(executable=/bin/sleep)
(arguments=10m)
Wed Feb 20 09:50:59 CET 2013
job id:
https://test27.egi.cesga.es:45602/16289865630529224101/4693754395253419142/
PENDING
PBS Status:
Job id          Name          User          Time Use S Queue
-----
63.test27      STDIN          test          0 R testq
Wed Feb 20 09:52:00 CET 2013
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 23228 Feb 20 09:52 myfile
job:
&
(executable=/bin/ls)
(arguments=-l)
(file_stage_in = ($(GLOBUSRUN_GASS_URL) # "/home/enol/myfile" afile))
output:
total 24
-rw-r--r-- 1 test test 23228 Feb 20 09:52 afile

### Job Status:
job:

```

```

&
(executable=/bin/sleep)
(arguments=1m)
job id:
https://test27.egi.cesga.es:45602/16289865627972235211/4693754395253419142/
Wed Feb 20 09:52:02 CET 2013
Status: PENDING
PBS Status:
Job id          Name          User          Time Use S Queue
-----
66.test27      STDIN          test          0 R testq
Wed Feb 20 09:52:23 CET 2013
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
66.test27      STDIN          test          0 R testq
Wed Feb 20 09:52:43 CET 2013
Status: ACTIVE
PBS Status:
Job id          Name          User          Time Use S Queue
-----
66.test27      STDIN          test          0 R testq
Wed Feb 20 09:53:03 CET 2013
Status: ACTIVE
PBS Status:
Wed Feb 20 09:53:23 CET 2013
Status: DONE
PBS Status:

### Job Cancel:
job:
&
(executable=/bin/sleep)
(arguments=10m)
Wed Feb 20 09:53:43 CET 2013
job id:
https://test27.egi.cesga.es:45602/16289866728794522631/4693754395253419142/
PENDING
PBS Status:
Job id          Name          User          Time Use S Queue
-----
67.test27      STDIN          test          0 R testq
Wed Feb 20 09:54:43 CET 2013
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):**

**Comments for DMSU (TSA2.5):**

**Comments for TP:**