

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

Name of the component	GridSAM		
Release	1.6.0	RT Ticket	https://rt.egi.eu/rt/Ticket/Display.html?id=3671
Software Provider	Initiative for Globus in Europe (IGE)		
Release Contact	Name:	E-Mail	
Validator	Name:	E-Mail	
	Adrian Coleşa adrian.colesa@cs.utcluj.ro		
V. Hours Worked	24 hours		
Component status		Date	
Verification start date	April 27 th , 2012	Verification end date	May 8 th , 2012

Summary: Most of the QC pass. There are 4 QC that fail. I think the reason could only be that documentation is not so clear regarding those QC.

GGUS Tickets:

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP	0	0	0	0
VLD	13	4	1	18
	Specific Quality Criteria			
TP	1	0	0	1
VLD	1	1	0	2

Quality Criteria verification cheatsheet:

See at the end of this document.

Validator comments:

None.

Not applicable Quality Criteria

The only not applicable QC I found is “GENERIC_SERVICE_4 (Automatic Configuration)”, which, as long as I know, no IGE product conforms to.

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):

None.

Comments for SR (TSA1.3):

None.

Comments for DMSU (TSA2.5):

None.

Comments for TP:

Service reference card is only available as an internal IGE page and also there is no mention of it in the README file.

The information provided on the Web page refers to version 2.1.9 of GridSAM. The only way to get the information about the current version is to download the documentation archive from the sourceforge page of the project. I recommend you to also update the Web pages accordingly.

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments
Generic QC			
INSTRUMENT_IE_4 (Instrument Manager Support)	N	VLD	Not found any reference to eu.dorii.ie classes. For IE Manager framework description used the documentation (lemanual.pdf) provided at https://gforge.hlr.de/frs/download.php/315/instrument-element-2.4.2.tar.gz
GENERIC_DOC_1 (Functional Description)	Y	VLD	Info and link to a Web page provided in file "/usr/share/doc/gridsam-server-2.3.0/GridSAM.About"
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	All the three executables (python scripts) provided in "/var/lib/tomcat5/webapps/gridsam/bin/" provide "-help" option to display description of their functionality.
GENERIC_DOC_5 (API Documentation)	Y	VLD	Link to Java API provided on the wiki Web page: http://sourceforge.net/projects/gridsam/files/gridsam/2.3.0/gridsam-2.3.0-javadoc.tgz/download
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	Partially provided in file "/usr/share/doc/gridsam-server-2.3.0/GridSAM-server-README-RPM" and a detailed instalation guide provided at location in the archive provided at http://sourceforge.net/projects/gridsam/files/gridsam/2.3.0/gridsam-2.3.0-javadoc.tgz/download
GENERIC_DOC_7 (Service Reference Card)	N	VLD	Not provided. Not mentioned anywhere. If provided on a Web page, its URL should be mentioned in the GridSAM.About file.
GENERIC_DOC_8 (Software License)	Y	VLD	Licence provided in file "/usr/share/doc/gridsam-server-2.3.0/LICENSE" is a BSD 3-Clause (see http://opensource.org/licenses/BSD-3-Clause)
GENERIC_DOC_9 (Release changes testing)	N	VLD	To be able to submit jobs, the directory "/usr/share/tomcat5/" must be changed the owner to tomcat, like this: "chown tomcat:tomcat /usr/share/tomcat5". Otherwise, the following error is got: "Failed to create working dir. Cause: mkdir: cannot create directory '/usr/share/tomcat5/workdir': Permission denied". Another problem was that I was not able to submit jobs using the Globus manager. It is not clear how certificates should be managed in order to be able to do that. Following the instructions from "/usr/share/doc/gridsam-server-2.3.0/GridSAM-server-README-RPM" did not work.
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Sources provided at http://sourceforge.net/projects/gridsam/files/gridsam/2.3.0/gridsam-2.3.0-src.tgz/download
GENERIC_DIST_2 (Source Distribution)	N	VLD	Source building procedure not mentioned (supposed to be ant build-all). Though, as long as RPM packages are provided, it is supposed that they can be build from the RPM SRC packages, which are unfortunately not provided.
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	RPM packer provided and it conforms the standard file-system hierarchy
GENERIC_SERVICE_1 (Service control and status)	Y	VLD	Service run as a servler by Tomcat, which covers this criterion.
GENERIC_SERVICE_2 (Log Files)	Y	VLD	Provided in file "/var/lib/tomcat5/webapps/gridsam/WEB-INF/logs/gridsam-jobs.log".
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	Run more tests during several days.
GENERIC_SERVICE_4 (Automatic Configuration)	NA	VLD	
GENERIC_SEC_1 (World Writable Files)	Y	VLD	Used strace to attach to tomcat process, submitt some jobs and monitor the created files (open with O_CREAT). World writable files are denied setting umask to 022.
GENERIC_SEC_2 (Directory Traversal Attacks testing)	Y	VLD	Traversal to parent "." not suported in JSDL files.
Security Capabilities QC			
GENERIC_MISC_2 (Bug Tracking System)	Y	TP	
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	Tomcat and GridSAM server support https. GridSAM supports X509 certificates.
Operations Capabilities QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime Probe)	N	VLD	Found no reference about this in provided documentation.