

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

Name of the component	StoRM		
Release	EMI.storm.sl5.x86_64-1.11.0	RT Ticket	#5088 #5089
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	Cristina Aiftimiei	cristina.aiftimiei@pd.infn.it	
Validator	Name:	E-Mail	
	Enol Fernández	<a href="mailto:enolfc@ifca.unican.es">enolfc@ifca.unican.es</a>	
V. Hours Worked	6		
Component status	<b>Accepted</b>	Date	21/03/2013
Verification start date	20/03/2013	Verification end date	21/03/2013

**Summary:**

First Release of StoRM in EMI-3. It does introduce as https support for file transfers. Installation of all the service components was performed on a single host, SR should test separate installation of front-end and back-end services at least. All tests succeeded, however there were some issues that must be taken into account:

- Packages that depend on java require the openjdk, but by default SL5/6 installs java-gcj that makes not possible to start de service.
- The yaim configuration performs a chown of the storage area; this can be problematic for existing installations with a large number of files.

**The software cannot be used in production due to a change in the lcg-gt behaviour that breaks Nagios tests (see related tickets)**

**GGUS Tickets:**

- [https://ggus.eu/ws/ticket\\_info.php?ticket=92600](https://ggus.eu/ws/ticket_info.php?ticket=92600)
- [https://ggus.eu/ws/ticket\\_info.php?ticket=92603](https://ggus.eu/ws/ticket_info.php?ticket=92603)
- [https://ggus.eu/ws/ticket\\_info.php?ticket=92819](https://ggus.eu/ws/ticket_info.php?ticket=92819)

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	20	0	0	20
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	18	2	1	21

Criteria	Accepted (Y/N/NA)	Tested (TP/VLD)	Comments	RELEASE:
<b>DOCUMENTATION QC</b>				
GENERIC_DOC_1 (Functional Description)	Y	VLD	Available at <a href="http://storm.forge.cnaf.infn.it/_media/documentation/storm-servicedescription.pdf">http://storm.forge.cnaf.infn.it/_media/documentation/storm-servicedescription.pdf</a>	
GENERIC_DOC_2 (Release Notes)	Y	VLD	Available at <a href="http://www.eu-emi.eu/releases/emi-3-montebianco/products/-/asset_publisher/5dKm/content/storm-se-2">http://www.eu-emi.eu/releases/emi-3-montebianco/products/-/asset_publisher/5dKm/content/storm-se-2</a>	
GENERIC_DOC_3 (User Documentation)	Y	VLD	Client tools with help options	
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	No man pages, but help options in command	
GENERIC_DOC_5 (API Documentation)	Y	VLD	No API documentation provided by StoRM, but implements SRM	
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	Available at: <a href="http://storm.forge.cnaf.infn.it/_media/documentation/storm-1.11.0-sysadminguide.pdf?id=documentation%3Ahome&amp;cache=cache">http://storm.forge.cnaf.infn.it/_media/documentation/storm-1.11.0-sysadminguide.pdf?id=documentation%3Ahome&amp;cache=cache</a>	
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	<a href="https://twiki.cern.ch/twiki/bin/view/EMI/StoRMPTServiceReferenceCard">https://twiki.cern.ch/twiki/bin/view/EMI/StoRMPTServiceReferenceCard</a>	
GENERIC_DOC_8 (Software License)	Y	VLD	ASL v2	
GENERIC_DOC_9 (Release changes testing)	Y	VLD	Tests reports available at <a href="http://storm.forge.cnaf.infn.it/_media/documentation/storm-testplan.-.emi-3.pdf?id=documentation%3Ahome&amp;cache=cache">http://storm.forge.cnaf.infn.it/_media/documentation/storm-testplan.-.emi-3.pdf?id=documentation%3Ahome&amp;cache=cache</a>	
<b>SOFTWARE DISTRIBUTION QC</b>				
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	Source available at	
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	Java dependencies may cause problems, see associated tickets	
<b>SOFTWARE FEATURES QC</b>				
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	Tested with older clients, no issues	
GENERIC_SOFT_2 (New features testing)	Y	VLD	Tested https support, see report	
<b>SERVICE CRITERIA QC</b>				
GENERIC_SERVICE_1 (Service control and sta	Y	VLD	Scripts working fine, see test report	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	All logs in /var/log/storm	
GENERIC_SERVICE_3 (Service Reliability)	Optional			
GENERIC_SERVICE_4 (Service Robustness)	Optional			
GENERIC_SERVICE_5 (Automatic Configuration)	Optional			
GENERIC_SERVICE_6 (Default Password Conf	Y	VLD	No default passwords	
GENERIC_SERVICE_7 (Default Configuration )	Y	VLD	Default YAIM template works out of the box	
<b>SECURITY QC</b>				
GENERIC_SEC_1 (World Writable Files)	Y	VLD	No world writable files found	
GENERIC_SEC_3 (Passwords in world readable	Y	VLD	No passwords found	
<b>MISCELLANEOUS QC</b>				

GENERIC_MISC_1 (Bug Tracking System)	Y	VLD	EMI is in GGUS
<b>AUTHENTICATION QC</b>			
AUTHN_CRED_1 (X.509 Certificate support)	Y	VLD	
AUTHN_CRED_2 (SHA2 Certificate support)	Y	VLD	Test with SHA2 host certificates
AUTHN_CRED_3 (RFC Proxy support)	Y	VLD	Tested with rfc proxies, no issues
AUTHN_PROTO_1 (TLSSSLv3 Support)	Y	VLD	
AUTHN_DELEG_1 (Delegation Interface)	Not tested	VLD	Not tested
<b>AUTHORISATION QC</b>			
AUTHZ_PCYDEF_3 (Ban UserGroup of users)	Y	VLD	With argus
AUTHZ_PCYDEF_4 (Allowed users definition)	Y	VLD	With argus
AUTHZ_PEP_2 (User Mapping)	Y	VLD	Does not use argus, but mapping correct
AUTHZ_PEP_3 (Argus integration)	Y	VLD	
<b>INFORMATION MODEL</b>			
INFOMODEL_SCHEMA_1 (GlueSchema Support)	Y	VLD	
INFOMODEL_SCHEMA_2 (Middleware Version)	Y	VLD	
INFOMODEL_SCHEMA_3 (GlueSchema 2.0 Support)	Y	VLD	
<b>INFORMATION DISCOVERY</b>			
INFODISC_IFACE_1 (Information Discovery Interface)	Y	VLD	
<b>FILE ACCESS QC</b>			
FILEACC_API_1 (POSIX Read file access)	Y	VLD	File system is accesible
FILEACC_API_2 (POSIX Write file access)	Y	VLD	File system is accesible
<b>FILE TRANSFER QC</b>			
FILETRANS_API_1 (GridFTP File Access)	Y	VLD	
FILETRANS_API_2 (HTTPS File Access)	Y	VLD	
FILETRANS_API_3 (WebDAV File Access)	NA	VLD	
<b>STORAGE MANAGEMENT QC</b>			
STORAGE_API_1 (SRM API Support)	Y	VLD	
STORAGE_API_2 (LCGUTILS test)	N	VLD	See related tickets
STORAGE_DEVICE_1 (Information retrieval)	Not tested	VLD	Should be tested during SR
STORAGE_DEVICE_2 (Fine grained authorization)	Not tested	VLD	Should be tested during SR
STORAGE_DEVICE_3 (Space reservations)	Not tested	VLD	Should be tested during SR
STORAGE_DEVICE_4 (Checksum )	Not tested	VLD	Should be tested during SR
<b>MONITORING PROBES QC</b>			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Not tested	VLD	
MON_PROBE_GENERIC_2 (Service Probe)	Not tested	VLD	
MON_PROBE_STORAGE_1 (SRM Probes)	N	VLD	See related tickets

**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):**

- Review criteria xxxx
- Add criteria xxxx

**Comments for SR (TSA1.3):**

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

**Comments for TP:**