

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

Name of the component	DPM		
Release	1.8.4	RT Ticket	4504
Software Provider	EMI		
Release Contact	Name:	E-Mail	
	cristina.aiftimiei@pd.infn.it		
Validator	Name:	E-Mail	
	Mario David (david@lip.pt)		
V. Hours Worked	24		
Component status	ACCEPT	Date	31 October 2012
Verification start date	23 October 2012	Verification end date	26 October 2012

Summary:

- Fresh installation of a Centos6.3 machine.
- The UMD “untested” repository was enabled to install the emi-dpm metapackge: everything OK.
- The Database from a production DPM has been dumped to the new machine.
- The DPM pools have been rsynced to the new machine.
- YAIM has been run, the DB scripts to update the schema have run inside the yaim, with success.
- Known issues reported in the 1.8.3 release have been solved

GGUS Tickets:

https://ggus.eu/ws/ticket_info.php?ticket=87988

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP	1			1
VLD	19	1		20
	Specific Quality Criteria			
TP				
VLD	9			9

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y)	Tested (TP)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Y	VLD	https://svnweb.cern.ch/trac/lcgdm/wiki/Dpm
GENERIC_DOC_2 (Release Notes)	Y	VLD	http://www.eu-emi.eu/emi-2-matterhorn/updates/-/asset_publisher/9AgN/content/update-4-23-10-2012-v-2-4-0-1#DPM_v_1_8_4_Task_30821
GENERIC_DOC_3 (User Documentation)	Y	VLD	https://svnweb.cern.ch/trac/lcgdm/wiki/Dpm/User/Tutorial
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	man pages
GENERIC_DOC_5 (API Documentation)	Y	VLD	http://grid-deployment.web.cern.ch/grid-deployment/documentation/LFC_DPM/dpm/
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	https://svnweb.cern.ch/trac/lcgdm/wiki/Dpm
GENERIC_DOC_7 (Service Reference Card)	Y	VLD	https://svnweb.cern.ch/trac/lcgdm/wiki/Dpm/Admin/ReferenceCard
GENERIC_DOC_8 (Software License)	Y	VLD	Apache2
GENERIC_DOC_9 (Release changes testing)	Y	TP	https://savannah.cern.ch/task/download.php?file_id=29219
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://svn.cern.ch/guest/lcgdm/lcg-dm/tags/
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility)	Y	VLD	an sql is available for DB schma upgrade
GENERIC_SOFT_2 (New features testing)	Y	VLD	some of the new features where tested (not all)
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and sta	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Y	VLD	service running for some days in production
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configuratio	Y	VLD	YAIM configuration framework
GENERIC_SERVICE_6 (Default Password Conf	Y	VLD	no default passwords
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	N	VLD	SOME FILES FOUND WITH find / -perm -o=w -type f -print
GENERIC_SEC_3 (Passwords in world readable	Y	VLD	
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	https://its.cern.ch/jira/browse/LCGDM
AUTHENTICATION QC			
AUTHN_IFACE_1 (X.509 Certificate support)	Y	VLD	
AUTHN_DELEG_1 (Delegation Interface)	Y	VLD	
AUTHORISATION QC			
AUTHZ_PCYDEF_3 (Ban User/FQAN)			Not verified
AUTHZ_PCYDEF_4 (Allowed users definition)			Not verified
AUTHZ_PEP_1 (Policy Enforcement)			Not verified
AUTHZ_PEP_2 (User Mapping)			Not verified
FILE ACCESS QC			
FILEACC_API_1 (POSIX Read file access)	Optional		
FILEACC_API_2 (POSIX Write file access)	Optional		
FILE TRANSFER QC			
FILETRANS_API_1 (GridFTP File Access)	Y	VLD	
FILETRANS_API_2 (HTTPS File Access)			Not verified
FILETRANS_API_3 (WebDAV File Access)	Optional		
STORAGE MANAGEMENT QC			
STORAGE_API_1 (SRM API Support)	Y	VLD	
STORAGE_API_2 (LCG-UTILS test)	Y	VLD	
STORAGE_DEVICE_1 (Information retrieval)	Y	VLD	
STORAGE_DEVICE_2 (Fine grained authorizati	Optional		
STORAGE_DEVICE_3 (Space reservations)	Y	VLD	
STORAGE_DEVICE_4 (Checksum)	Y	VLD	
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetime)	Y	VLD	

Validator comments:

We found world writable files with
find / -perm -o=w -type f -print

```
/var/log/rfio/log-20121029.gz  
/var/log/rfio/log-20121021.gz  
/var/log/rfio/log-20121028.gz  
/var/log/rfio/log-20121025.gz  
/var/log/rfio/log-20121020.gz  
/var/log/rfio/log-20121027.gz  
/var/log/rfio/log-20121026.gz  
/var/log/rfio/log-20121023.gz  
/var/log/rfio/log  
/var/log/rfio/log-20121030.gz  
/var/log/rfio/log-20121024.gz  
/var/log/rfio/log-20121031  
/var/log/rfio/log-20121019.gz  
/var/log/rfio/log-20121022.gz  
/var/run/dpm.pid  
/var/lock/subsys/dpm
```

Apart from this, the service seems to work OK

It is in production for some days now, passing SAM/Nagios tests and serving ops, dteam and biomed VO

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):

- Review criteria xxxx
- Add criteria xxxx

Comments for SR (TSA1.3):

Comments for DMSU (TSA2.5):

Comments for TP: