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

Name of the component			
Release	**emi.emi-wn.sl5.x86_64-2.0.0**	RT Ticket	#3934
Software Provider			
Release Contact	Name: Cristina Aiftimiei	E-Mail: cristina.aiftimiei@pd.infn.it	
Validator	Name: Esteban Freire García	E-Mail: esfreire@cesga.es	
V. Hours Worked	6		
Component status	**Verified**	Date	12/06/12
Verification start date	07/06/12	Verification end date	12/06/12

Summary:

I have found two issues during the emi.emi-wn.sl5.x86_64-2.0.0 verification. The first one is related with the documentation, and the second one is related with when the update is done in a WN installed with the UMD-1 repository from the UMD-2 repository include in the RT ticket, because the dependencies are not solved.

GGUS Tickets:

- https://ggus.eu/ws/ticket_info.php?ticket=83126
- https://ggus.eu/tech/ticket_show.php?ticket=83129

Summary of Quality Criteria verification:

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
TP				
VLD	12	6		18
	Specific Quality Criteria			
TP				
VLD	18			18

Quality Criteria verification cheatsheet:

Criteria	Accepted (Y/N/N)	Tested (TP/VLD)	Comments
DOCUMENTATION QC			
GENERIC_DOC_1 (Functional Description)	Optional		
GENERIC_DOC_2 (Release Notes)	Y	VLD	https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#EMI_WN_v_2_0_0_task_23323
GENERIC_DOC_3 (User Documentation)	N	VLD	SEE VERIFICATION REPORT
GENERIC_DOC_4 (Online help (man pages))	N	VLD	SEE VERIFICATION REPORT
GENERIC_DOC_5 (API Documentation)	N	VLD	SEE VERIFICATION REPORT
GENERIC_DOC_6 (Administrator Documentat	N	VLD	SEE VERIFICATION REPORT
GENERIC_DOC_7 (Service Reference Card)	N	VLD	SEE VERIFICATION REPORT
GENERIC_DOC_8 (Software License)	Y	VLD	
GENERIC_DOC_9 (Release changes testing)	Y	VLD	https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#EMI_WN_v_2_0_0_task_23323
SOFTWARE DISTRIBUTION QC			
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl5/SRPMS/base/emi-wn-2.0.0-1.sl5.src.rpm
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	http://emisoft.web.cern.ch/emisoft/dist/EMI/2/sl5/x86_64/base/emi-wn-2.0.0-1.sl5.x86_64.rpm
SOFTWARE FEATURES QC			
GENERIC_SOFT_1 (Backwards Compatibility	N	VLD	SEE VERIFICATION REPORT
GENERIC_SOFT_2 (New features testing)	Y	VLD	
SERVICE CRITERIA QC			
GENERIC_SERVICE_1 (Service control and s	Y	VLD	
GENERIC_SERVICE_2 (Log Files)	Y	VLD	
GENERIC_SERVICE_3 (Service Reliability)	Optional		
GENERIC_SERVICE_4 (Service Robustness)	Optional		
GENERIC_SERVICE_5 (Automatic Configura	Optional		
GENERIC_SERVICE_6 (Default Password Co	Y	VLD	
SECURITY QC			
GENERIC_SEC_1 (World Writable Files)	Y	VLD	
GENERIC_SEC_3 (Passwords in world readal	Y	VLD	
MISCELLANEOUS QC			
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	GGUS
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)	Y	VLD	
AUTHZ_ PCYDEF_4 (Allowed users definition	Y	VLD	
AUTHZ_ PEP_1 (Policy Enforcement)	Y	VLD	
AUTHZ_ PEP_2 (User Mapping)	Y	VLD	
JOB EXECUTION QC			
JOBEXEC_IFACE_1 (Job Execution Interface	Y	VLD	
JOBEXEC_JOB_1 (Simple Job)	Y	VLD	
JOBEXEC_JOB_2 (Simple Job with input/outp	Y	VLD	
JOBEXEC_JOB_3 (Cancel Job)	Y	VLD	
JOBEXEC_EXECMNGR_1 (Not Invasive Dep	Y	VLD	
JOBEXEC_EXECMNGR_2 (Job Management	Y	VLD	
JOBEXEC_EXECMNGR_3 (Information Retrie	Y	VLD	
JOBEXEC_AVAIL_1 (Service Redundancy)	Y	VLD	
JOBEXEC_AVAIL_2 (Self Disabling Mechanis	Optional		
JOBEXEC_AVAIL_4 (Timely Job Status Upda	Optional		
PARALLEL JOB QC	Y	VLD	
PARALLEL_JOB_1 (Simple parallel job submi	Y	VLD	
PARALLEL_JOB_2 (Single machine parallel jo	Optional		
PARALLEL_JOB_3 (Fine grained mapping par	Optional		
MONITORING PROBES QC			
MON_PROBE_GENERIC_1 (Certificate Lifetil	Optional		
MON_PROBE_GENERIC_2 (Service Probe)	Optional		
MON_PROBE_JOBEXEC_1 (Job Execution F	Y	VLD	
MON_PROBE_JOBEXEC_2 (CREAM Job Ex	Y	VLD	
ACCOUNTING CAPABILITY QC			
ACC_JOBEXEC_1 (Job Execution Appliances	Y	VLD	
CLIENT TOOLS QC			
CLIENT_TOOLS_1 (Command lineOptions co	Optional		
CLIENT_TOOLS_2 (Error Messages)	Optional		

Validator comments:

== EMI.emi-wn.sl5.x86_64-2.0.0=

=== Ticket assigned ===

 * [https://rt.egi.eu/rt/Ticket/Display.html?id=3934]

=== Repositories ===

(!) Verifier must install a new repo for each product, this information is available at RT ticket field:

 * WN repo
{{{
[root@test14 yum.repos.d]# cat EMI.emi-wn.sl5.x86_64.repo
EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(3934,587,514)

[EMI.emi-wn.sl5.x86_64]
name=EMI.emi-wn.sl5.x86_64
baseurl=http://admin-repo.egi.eu/sw/unverified/emi.emi-wn.sl5.x86_64/2/0/0/
enabled=1
protect=1
priority=1
gpgcheck=1
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/2/RPM-GPG-KEY-emi

}}}

 *** Installation from scratch using UMD-2 repository was OK, however, if the update is done in a WN installed with the UMD-1 repository from the UMD-2 repository include in the RT ticket, it is got the following issue:**

yum update
[......]
---> Package avahi.x86_64 0:0.6.16-10.el5_6 set to be updated
--> Processing Dependency: dpm-libs = 1.8.3-1.el5 for package: dpm-perl
--> Processing Dependency: dpm-libs = 1.8.3-1.el5 for package: dpm-devel
--> Processing Dependency: libgridsite_globus.so.1.7()(64bit) for package: delegation-cli
--> Processing Dependency: libgridsite_globus.so.1.7()(64bit) for package: transfer-cli
--> Processing Dependency: lcgdm-devel = 1.8.3-1.el5 for package: lfc-devel
--> Processing Dependency: lcgdm-devel = 1.8.3-1.el5 for package: dpm-devel
--> Processing Dependency: lfc-libs = 1.8.3-1.el5 for package: lfc-perl
--> Processing Dependency: lfc-libs = 1.8.3-1.el5 for package: lfc-devel
--> Finished Dependency Resolution
dpm-devel-1.8.3-1.el5.x86_64 from installed has depsolving problems

--> Missing Dependency: lcgdm-devel = 1.8.3-1.el5 is needed by package dpm-devel-1.8.3-1.el5.x86_64 (installed)
transfer-cli-4.0.0-1.sl5.x86_64 from installed has depsolving problems
--> Missing Dependency: libgridsite_globus.so.1.7()(64bit) is needed by package transfer-cli-4.0.0-1.sl5.x86_64 (installed)
lfc-devel-1.8.3-1.el5.x86_64 from installed has depsolving problems
--> Missing Dependency: lfc-libs = 1.8.3-1.el5 is needed by package lfc-devel-1.8.3-1.el5.x86_64 (installed)
dpm-perl-1.8.3-1.el5.x86_64 from installed has depsolving problems
--> Missing Dependency: dpm-libs = 1.8.3-1.el5 is needed by package dpm-perl-1.8.3-1.el5.x86_64 (installed)
lfc-perl-1.8.3-1.el5.x86_64 from installed has depsolving problems
--> Missing Dependency: lfc-libs = 1.8.3-1.el5 is needed by package lfc-perl-1.8.3-1.el5.x86_64 (installed)
lfc-devel-1.8.3-1.el5.x86_64 from installed has depsolving problems
--> Missing Dependency: lcgdm-devel = 1.8.3-1.el5 is needed by package lfc-devel-1.8.3-1.el5.x86_64 (installed)
dpm-devel-1.8.3-1.el5.x86_64 from installed has depsolving problems
--> Missing Dependency: dpm-libs = 1.8.3-1.el5 is needed by package dpm-devel-1.8.3-1.el5.x86_64 (installed)
delegation-cli-2.1.0-1.sl5.x86_64 from installed has depsolving problems
--> Missing Dependency: libgridsite_globus.so.1.7()(64bit) is needed by package delegation-cli-2.1.0-1.sl5.x86_64 (installed)
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
Error: Missing Dependency: libgridsite_globus.so.1.7()(64bit) is needed by package delegation-cli-2.1.0-1.sl5.x86_64 (installed)
Error: Missing Dependency: lcgdm-devel = 1.8.3-1.el5 is needed by package dpm-devel-1.8.3-1.el5.x86_64 (installed)
Error: Missing Dependency: libgridsite_globus.so.1.7()(64bit) is needed by package transfer-cli-4.0.0-1.sl5.x86_64 (installed)
Error: Missing Dependency: dpm-libs = 1.8.3-1.el5 is needed by package dpm-devel-1.8.3-1.el5.x86_64 (installed)
Error: Missing Dependency: dpm-libs = 1.8.3-1.el5 is needed by package dpm-perl-1.8.3-1.el5.x86_64 (installed)
Error: Missing Dependency: lcgdm-devel = 1.8.3-1.el5 is needed by package lfc-devel-1.8.3-1.el5.x86_64 (installed)
Error: Missing Dependency: lfc-libs = 1.8.3-1.el5 is needed by package lfc-devel-1.8.3-1.el5.x86_64 (installed)
Error: Missing Dependency: lfc-libs = 1.8.3-1.el5 is needed by package lfc-perl-1.8.3-1.el5.x86_64 (installed)
You could try using --skip-broken to work around the problem
You could try running: package-cleanup --problems
package-cleanup --dupes
rpm -Va --nofiles --nodigest
The program package-cleanup is found in the yum-utils package.

I have opened the following GGUS ticket, https://ggus.eu/ws/ticket_info.php?ticket=83126, to track this issue, although it seems a failure in the UMD-2 repository include in the RT ticket.

I have also opened the following GGUS ticket, https://ggus.eu/tech/ticket_show.php?ticket=83129, because I have seen during the verification that the release notes are not correct for the EMI WN, the links put in the release notes for this service are not correct.
https://twiki.cern.ch/twiki/bin/view/EMI/EMI2Final#EMI_WN_v_2_0_0_task_23323

--> https://twiki.cern.ch/twiki/pub/EMI/EMIwn/EMI_wn_v2_0_0_1.pdf

--> https://twiki.cern.ch/twiki/pub/EMI/EMIwnSRC/EMI_wn_SRC_v2_0_0_1.pdf

And the user guide is still pointing to the gLite midleware:

User Guide (mandatory): https://edms.cern.ch/file/722398/1.4/gLite-3-UserGuide.pdf

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):

I have found opened two GGUS tickets during the emi.emi-wn.sl5.x86_64-2.0.0 verification:
 - https://ggus.eu/ws/ticket_info.php?ticket=83126
 - https://ggus.eu/tech/ticket_show.php?ticket=83129

The first one is related with when the update is done in a WN installed with the UMD-1 repository from the UMD-2 repository include in the RT ticket, because the dependencies are not solved., although it seems a failure in the UMD-2 repository include in the RT ticket. The second one is related with the documentation, because the links to the user/administrator guide does not exist.

Comments for DMSU (TSA2.5):

Comments for TP: