

Quality Criteria Verification Report

Product	<i>EMI.mpi.sl5.sl6.x86_64</i>	Release	<i>1.5.3</i>
Software Provider	<i>EMI</i>	RT Ticket	<i>#6548, #6549</i>
Provider contact	<i>Cristina Aiftimiei <crisrina.aiftimiei@pd.infn.it></i>		
Verifier	<i>Esteban Freire (esfreire@cesga.es)</i>		
Hours worked	<i>6h</i>	Date	<i>29/01/14</i>
Status	Accepted		

Summary

No issues found during verification process.

Related tickets

None

Documentation Criteria

Document	
Release notes	http://www.eu-emi.eu/releases/emi-3-monte-bianco/updates/-/asset_publisher/5Na8/content/update-12-16-12-2013-v-3-7-0-1#gLite_MPI_v_1_5_3
User Documentation	https://moin.ifca.es/wiki/Middleware/MpiStart/UserDocumentation
API Documentation	https://moin.ifca.es/wiki/Middleware/MpiStart/DeveloperDocumentation
Admin Documentation	https://moin.ifca.es/wiki/Middleware/MpiStart/SiteConfiguration
Software License	

Generic Criteria

Criteria	Status¹	Additional Comments
Binary Distribution	OK	
Upgrade	OK	
X.509 Certificate support	OK	
SHA-2 Certificates Support	OK	
RFC Proxy support	OK	
ARGUS Integration	NA	
World Writable Files	NT	Minor release
Passwords in world readable files	NT	Minor release

¹**OK**, **WARN**, **FAIL**, NA (Not Applicable) or NT (Not Tested)

GlueSchema 1.3 Support	OK	
GlueSchema 2.0 Support	OK	
Middleware Version Information	NT	Minor release
Service Probes	OK	
Accounting Records	NA	
Bug Tracking System	OK	

Specific QC

Basic Functionality Test

= Testing EMI.mpi.sl5.sl6.x86_64-1.5.3 =

* Used mpi SL5 repo

```
{{{
```

```
[root@test06 yum.repos.d]# cat EMI.mpi.sl5.x86_64.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(6548,1441,1367)
```

```
[EMI.mpi.sl5.x86_64]
```

```
name=EMI.mpi.sl5.x86_64
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/um-d-3.emi.mpi.sl5.x86_64/1/5/3/
```

```
enabled=1
```

```
protect=1
```

```
priority=1
```

```
gpgcheck=1
```

```
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
```

```
}}}
```

* Used mpi SL6 repo

```
{{{
```

```
[root@test14 yum.repos.d]# cat EMI.mpi.sl6.x86_64.repo
```

```
# EGI Software Repository - REPO META (releaseId,repositoryId,repofileId) -
(6549,1442,1368)
```

```
[EMI.mpi.sl6.x86_64]
```

```
name=EMI.mpi.sl6.x86_64
```

```
baseurl=http://admin-repo.egi.eu/sw/unverified/um-d-3.emi.mpi.sl6.x86_64/1/5/3/
```

```
enabled=1
```

```
protect=1
```

```
priority=1
```

```
gpgcheck=1
```

```
gpgkey=http://emisoft.web.cern.ch/emisoft/dist/EMI/3/RPM-GPG-KEY-emi
```

```
}}}
```



```
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```

```
* Reconfiguring with YAIM (OK)
```

```
{{{
```

```
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n MPI_CE -n creamCE  
-n TORQUE_server -n TORQUE_utils
```

```
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```

```
== Testing MPI on the WNs SL6 ==
```

```
* yum update (OK)
```

```
{{{
```

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Package Repository	Arch Size	Version
ca-certificates	noarch	2013.1.95-
65.1.el6_5	sl-security	1.1 M
davix-libs	x86_64	0.2.8-2.el6
epel	183 k	
dpm	x86_64	1.8.7-4.el6
epel	152 k	
dpm-devel	x86_64	1.8.7-4.el6
epel	204 k	
dpm-libs	i686	1.8.7-4.el6
epel	138 k	
dpm-libs	x86_64	1.8.7-4.el6
epel	135 k	
dpm-perl	x86_64	1.8.7-4.el6
epel	170 k	
dpm-python	x86_64	1.8.7-4.el6
epel	206 k	
glite-lb-client	x86_64	6.0.8-2.el6
epel	152 k	
glite-lb-client-progs	x86_64	6.0.8-2.el6
epel	90 k	
glite-lb-common	x86_64	9.0.8-2.el6
epel	105 k	

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globus-callout		i686	2.4-2.el6
epel	19 k		
globus-callout		x86_64	2.4-2.el6
epel	20 k		
globus-common		i686	14.10-2.el6
epel	115 k		
globus-common		x86_64	14.10-2.el6
epel	116 k		
globus-gass-transfer		i686	7.2-9.el6
epel	41 k		
globus-gass-transfer		x86_64	7.2-9.el6
epel	41 k		
globus-gsi-callback		i686	4.6-2.el6
epel	38 k		
globus-gsi-callback		x86_64	4.6-2.el6
epel	39 k		
globus-gsi-cert-utils		i686	8.6-2.el6
epel	20 k		
globus-gsi-cert-utils		x86_64	8.6-2.el6
epel	21 k		
globus-gsi-credential		i686	6.0-2.el6
epel	33 k		
globus-gsi-credential		x86_64	6.0-2.el6
epel	35 k		
globus-gsi-openssl-error		i686	2.1-10.el6
epel	17 k		
globus-gsi-openssl-error		x86_64	2.1-10.el6
epel	18 k		
globus-gsi-proxy-core		i686	6.2-9.el6
epel	32 k		
globus-gsi-proxy-core		x86_64	6.2-9.el6
epel	34 k		
globus-gsi-proxy-ssl		i686	4.1-10.el6
epel	18 k		
globus-gsi-proxy-ssl		x86_64	4.1-10.el6
epel	18 k		
globus-gsi-sysconfig		i686	5.3-8.el6
epel	27 k		
globus-gsi-sysconfig		x86_64	5.3-8.el6
epel	29 k		
globus-gssapi-error		i686	4.1-10.el6
epel	15 k		
globus-gssapi-error		x86_64	4.1-10.el6
epel	15 k		
globus-gssapi-gsi		i686	10.10-2.el6
epel	55 k		
globus-gssapi-gsi		x86_64	10.10-2.el6
epel	58 k		
globus-openssl-module		i686	3.3-2.el6
epel	15 k		

globus-openssl-module	x86_64	3.3-2.el6
epel	15 k	
globus-xio	i686	3.6-2.el6
epel	145 k	
globus-xio	x86_64	3.6-2.el6
epel	161 k	
gridsite1.7-compatible	x86_64	1.7.29-1
epel	40 k	
java-1.6.0-openjdk	x86_64	1:1.6.0.0-
3.1.13.1.el6_5	sl-security	41 M
lcgdm-devel	i686	1.8.7-4.el6
epel	45 k	
lcgdm-devel	x86_64	1.8.7-4.el6
epel	45 k	
lcgdm-libs	i686	1.8.7-4.el6
epel	100 k	
lcgdm-libs	x86_64	1.8.7-4.el6
epel	102 k	
lfc	x86_64	1.8.7-4.el6
epel	99 k	
lfc-devel	x86_64	1.8.7-4.el6
epel	134 k	
lfc-libs	i686	1.8.7-4.el6
epel	40 k	
lfc-libs	x86_64	1.8.7-4.el6
epel	40 k	
lfc-perl	x86_64	1.8.7-4.el6
epel	126 k	
lfc-python	x86_64	1.8.7-4.el6
epel	244 k	
libXfont	x86_64	1.4.5-3.el6_5
sl-security	135 k	
mpi-start	noarch	1.5.3-1.el6
EMI.mpi.sl6.x86_64	42 k	
nss	i686	3.15.3-3.el6_5
sl-security	824 k	
nss	x86_64	3.15.3-3.el6_5
sl-security	821 k	
nss-sysinit	x86_64	3.15.3-3.el6_5
sl-security	39 k	
nss-tools	x86_64	3.15.3-3.el6_5
sl-security	357 k	
openjpeg-libs	x86_64	1.3-10.el6_5
sl-security	59 k	
openssl	i686	1.0.1e-16.el6_5.4
sl-security	1.5 M	
openssl	x86_64	1.0.1e-16.el6_5.4
sl-security	1.5 M	
openssl-devel	x86_64	1.0.1e-16.el6_5.4
sl-security	1.2 M	

glite-lb-common	x86_64	9.0.8-1.el5
UMD-3-testing	121 k	
glite-lbjp-common-gss	x86_64	3.2.14-1.el5
UMD-3-testing	24 k	
glite-lbjp-common-trio	x86_64	2.3.11-1.el5
UMD-3-testing	32 k	
gnupg	x86_64	1.4.5-18.el5_10.1
sl-security	1.8 M	
gridsite-compat1.7	x86_64	1.7.29-1.el5
UMD-3-testing	40 k	
gridsite-libs	x86_64	2.2.0-1.el5
UMD-3-testing	131 k	
java-1.6.0-openjdk	x86_64	1:1.6.0.0-
3.1.13.1.el5_10	sl-security	43 M
mpi-start	noarch	1.5.3-1.el5
EMI.mpi.sl5.x86_64	43 k	
nss	i386	3.15.3-4.el5_10
sl-security	1.2 M	
nss	x86_64	3.15.3-4.el5_10
sl-security	1.3 M	
nss-tools	x86_64	3.15.3-4.el5_10
sl-security	753 k	
tzdata	x86_64	2013i-1.el5
sl-security	770 k	
tzdata-java	x86_64	2013i-1.el5
sl-security	172 k	

Transaction Summary

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}}}

```

* Reconfiguring with YAIM (OK)

```

{{{
/opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n MPI_WN -n WN -n
TORQUE_client -n GLEEXEC_wn

```

```

}}}
```

== Checking: ==

* Nagios tests ok, <https://test23.egi.cesga.es/nagios/cgi-bin/status.cgi?host=test06.egi.cesga.es>

* Checking ldap (OK):

```

{{{
glue-validator -H test06.egi.cesga.es -p 2170 -b o=grid -g glue1 -s general -v 3
glue-validator -H test06.egi.cesga.es -p 2170 -b o=glue -g glue2 -s general -v 3

```



```
glue-validator -H test06.egi.cesga.es -p 2170 -b o=glue -g egi-glue2 -s general -v 3
ldapsearch -x -h test06.egi.cesga.es -p 2170 -b GLUE2GroupID=resource,o=glue
objectclass=GLUE2Endpoint
ldapsearch -x -h test06.egi.cesga.es -p 2170 -b GLUE2GroupID=resource,o=glue
objectclass=GLUE2Endpoint | grep -i version
```

```
}}}
```

* Checking world writable files (OK)

```
}}{
```

An easy way to find world-writable files is using the find command:

```
find / -type f -perm -002 -exec ls -l {} \;
```

For finding world-writable files in the packages contents:

```
rpm -qalv | egrep "^[^d]([^-r][^-w][^-xs]){2}[-r]w"
```

```
}}}
```

* Submitting jobs using a SHA-2 robot certificate and a RFC proxy

```
}}{
```

```
[esfreire@test13 ~]$ voms-proxy-init -rfc --voms ops:/ops/Role=lcgadmin
```

```
}}}
```

```
}}{
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-wms-job-submit -a -o test.job
job1.jdl
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-wms-job-submit -a -o test.job
job2.jdl
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-wms-job-submit -a -o test.job
job3.jdl
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-wms-job-status -i test.job
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-wms-job-submit -a -o test.job job-
oldsyntax.jdl
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-wms-job-status -i test.job
```

```
-----
1 : https://test22.egi.cesga.es:9000/DUnMskfEowdNX8CqzG1fLQ
```

```
2 : https://test22.egi.cesga.es:9000/Qa6Wk352ZTazC_YkITbf4g
```

```
3 : https://test22.egi.cesga.es:9000/vzMoVc43LtWCSPYob7zE8Q
```

```
4 : https://test22.egi.cesga.es:9000/PPsvTDeJciD9NablzYqDg
```

```
5 : https://test22.egi.cesga.es:9000/FnkkxoiOfjupEgRZCw6iA
```

```
a : all
```

```
q : quit
```

```
-----
```

Choose one or more jobId(s) in the list - [1-5]all:a

=====
=====
glite-wms-job-status Success

BOOKKEEPING INFORMATION:

Status info for the Job : <https://test22.egi.cesga.es:9000/DUnMskfEowdNX8CqzG1fLQ>

Current Status: Done(Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

Submitted: Tue Jan 28 17:38:14 2014 CET

=====
=====
glite-wms-job-status Success

BOOKKEEPING INFORMATION:

Status info for the Job : https://test22.egi.cesga.es:9000/Qa6Wk352ZTazC_YkITbf4g

Current Status: Done(Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

Submitted: Tue Jan 28 17:38:40 2014 CET

=====
=====
glite-wms-job-status Success

BOOKKEEPING INFORMATION:

Status info for the Job : <https://test22.egi.cesga.es:9000/vzMoVc43LtwCSPYob7zE8Q>

Current Status: Done(Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: test06.egi.cesga.es:8443/cream-pbs-GRID_ops
Submitted: Tue Jan 28 17:38:46 2014 CET

=====
===== glite-wms-job-status Success
=====

BOOKKEEPING INFORMATION:

Status info for the Job : <https://test22.egi.cesga.es:9000/PPsvTDeJciD9NablzYqDg>

Current Status: Done(Success)

Logged Reason(s):

- job completed
- Job Terminated Successfully

Exit code: 0

Status Reason: Job Terminated Successfully

Destination: test06.egi.cesga.es:8443/cream-pbs-GRID_ops

Submitted: Tue Jan 28 17:38:57 2014 CET

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New Features/Fixed Bugs

Additional Info
