

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

Name of the component			
Release	EMI.mpi.sl6.x86_64-1.5.0	RT Ticket:	#5131
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	5 hours		
Component st	<b>VERIFIED</b>	Date	
Verification start date	02/05/13	Verification end date	06/05/13

**Summary:**

EMI.mpi.sl6.x86\_64-1.5.0 was updated and installed from scratch using UMD-3 repository without any important issue in a creamCE and Worker Nodes with Torque + Maui.

**GGUS Tickets:**

**Summary of Quality Criteria verification:**

	Generic Quality Criteria Total (Critical/Non critical)			
	Passed	Not passed	Not Applicable	Total
<b>TP</b>				
<b>VLD</b>	11			11
	Specific Quality Criteria			
<b>TP</b>				
<b>VLD</b>	4			4

## Quality Criteria verification cheatsheet:

Criteria	Accep	Tested	Comments
<b>Generic QC</b>			
GENERIC_DOC_1 (Functional Description)	Y	VLD	<a href="http://grid.ifca.es/wiki/Middleware/MpiStart/MpiUtils#Functional_Description">http://grid.ifca.es/wiki/Middleware/MpiStart/MpiUtils#Functional_Description</a>
GENERIC_DOC_2 (Release Notes)	Y	VLD	<a href="https://devel.ifca.es/mpi-start/versions?show=all">https://devel.ifca.es/mpi-start/versions?show=all</a>
GENERIC_DOC_3 (User Documentation)	Y	VLD	<a href="http://grid.ifca.es/wiki/Middleware/MpiStart/UserDocumentation">http://grid.ifca.es/wiki/Middleware/MpiStart/UserDocumentation</a>
GENERIC_DOC_4 (Online help (man pages))	Y	VLD	<a href="http://grid.ifca.es/wiki/Middleware/MpiStart">http://grid.ifca.es/wiki/Middleware/MpiStart</a>
GENERIC_DOC_6 (Administrator Documentation)	Y	VLD	<a href="http://grid.ifca.es/wiki/Middleware/MpiStart">http://grid.ifca.es/wiki/Middleware/MpiStart</a>
GENERIC_DOC_8 (Software License)	Y	VLD	GPL
GENERIC_DOC_9 (Release changes text)	Y	VLD	<a href="https://devel.ifca.es/mpi-start/versions?show=all">https://devel.ifca.es/mpi-start/versions?show=all</a>
GENERIC_DIST_1 (Source Code Availability)	Y	VLD	<a href="https://devel.ifca.es/mpi-start/browser">https://devel.ifca.es/mpi-start/browser</a>
GENERIC_DIST_2 (Source Distribution)	Y	VLD	<a href="https://devel.ifca.es/mpi-start/browser">https://devel.ifca.es/mpi-start/browser</a>
GENERIC_DIST_3 (Binary Distribution)	Y	VLD	<a href="http://admin-repo.egi.eu/sw/unverified/um-d-3.emi.mpi.sl6.x86_64/1/5/0/">http://admin-repo.egi.eu/sw/unverified/um-d-3.emi.mpi.sl6.x86_64/1/5/0/</a>
GENERIC_MISC_2 (Bug Tracking System)	Y	VLD	<a href="https://ggus.eu/pages/home.php">https://ggus.eu/pages/home.php</a>
<b>Compute Capabilities QC</b>			
PARALLEL_MPI_1 (Precompiled MPI job)	Y	VLD	Job submitted without issues for openmpi
PARALLEL_MPI_2 (MPI job Execution)	Y	VLD	Job submitted without issues for openmpi
PARALLEL_OMP_1 (Precompiled OpenMP)	Y	VLD	Job submitted without issues for openmpi
PARALLEL_OMP_2 (OpenMP job Execution)	Y	VLD	Job submitted without issues for openmpi
<b>Operations Capabilities QC</b>			
MON_PROBE_GENERIC_2 (Service Probe)			

### Validator comments:

== Verification of EMI.mpi.sl6.x86\_64-1.5.0 in a EMI\_creamCE\_Torque SL6 ==

=== Ticket assigned ===

\* [<https://rt.egi.eu/rt/Ticket/Display.html?id=5131>]

=== ggus tickets opened ===

=== Important Documentation ===

\* <https://wiki.egi.eu/wiki/MAN03>

==== Installing (OK) ====

\* yum install emi-wn

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Package Repository	Size	Arch	Version
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Installing:

emi-wn UMD-3-testing	3.5 k	x86_64	3.0.0-1.el6
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Installing for dependencies:

CGSI-gSOAP UMD-3-testing	39 k	i386	1.3.5-2.el6
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CGSI-gSOAP UMD-3-testing	38 k	x86_64	1.3.5-2.el6
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SAGA.lsu-cpp.engine UMD-3-testing	19 M	x86_64	1.6.0-1.sl6
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a1_grid_env UMD-3-testing	3.5 k	x86_64	3.0.2-1.sl6
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alsa-lib sl	369 k	x86_64	1.0.22-3.el6
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at sl	59 k	x86_64	3.1.10-43.el6_2.1
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atk sl	190 k	x86_64	1.28.0-2.el6
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autoconf sl	780 k	noarch	2.63-5.1.el6
automake sl	549 k	noarch	1.11.1-4.el6
avahi-libs sl	53 k	x86_64	0.6.25-12.el6
bc sl	109 k	x86_64	1.06.95-1.el6
boost sl-security	17 k	x86_64	1.41.0-15.el6_4
boost-date-time sl-security	37 k	x86_64	1.41.0-15.el6_4
boost-filesystem sl-security	43 k	x86_64	1.41.0-15.el6_4
boost-graph sl-security	80 k	x86_64	1.41.0-15.el6_4
boost-iostreams sl-security	36 k	x86_64	1.41.0-15.el6_4
boost-program-options 15.el6_4		x86_64 sl-security	1.41.0- 105 k
boost-python sl-security	117 k	x86_64	1.41.0-15.el6_4
boost-regex sl-security	474 k	x86_64	1.41.0-15.el6_4
boost-serialization 15.el6_4		x86_64 sl-security	1.41.0- 163 k
boost-signals sl-security	42 k	x86_64	1.41.0-15.el6_4
boost-system sl-security	23 k	x86_64	1.41.0-15.el6_4
boost-test sl-security	389 k	x86_64	1.41.0-15.el6_4

boost-thread sl-security	40 k	x86_64	1.41.0-15.el6_4
boost-wave sl-security	198 k	x86_64	1.41.0-15.el6_4
bouncycastle epel	2.3 M	noarch	1.46-1.el6
bouncycastle-mail UMD-3-testing	468 k	noarch	1.46-1.sl6
c-ares sl	52 k	x86_64	1.7.0-6.el6
cairo sl	308 k	x86_64	1.8.8-3.1.el6
canl-c UMD-3-untested	63 k	x86_64	2.1.1-1.el6
canl-java UMD-3-untested	263 k	noarch	1.2.0-0.sl6
cdparanoia-libs sl	47 k	x86_64	10.2-5.1.el6
classads epel	233 k	x86_64	1.0.8-1.el6
cleanup-grid-accounts UMD-3-testing	7.0 k	noarch	2.0.1-1
cups sl-security	2.3 M	x86_64	1:1.4.2-50.el6_4.4
cups-libs sl-security	316 k	x86_64	1:1.4.2-50.el6_4.4
cvs sl	711 k	x86_64	1.11.23-15.el6
cyrus-sasl-lib sl	135 k	i686	2.1.23-13.el6_3.1
db4 sl	579 k	i686	4.7.25-17.el6
dbus sl	206 k	x86_64	1:1.2.24-7.el6_3

dcache-srmclient		x86_64	2.2.4-2.el6
UMD-3-testing	15 M		
dcap		x86_64	2.47.7-1.el6
UMD-3-testing	14 k		
dcap-devel		x86_64	2.47.7-1.el6
UMD-3-testing	7.6 k		
dcap-libs		i386	2.47.7-1.el6
UMD-3-testing	83 k		
dcap-libs		x86_64	2.47.7-1.el6
UMD-3-testing	81 k		
dcap-tunnel-gsi		x86_64	2.47.7-1.el6
UMD-3-testing	14 k		
dcap-tunnel-krb		x86_64	2.47.7-1.el6
UMD-3-testing	14 k		
dcap-tunnel-ssl		x86_64	2.47.7-1.el6
UMD-3-testing	8.0 k		
dcap-tunnel-telnet		x86_64	2.47.7-1.el6
UMD-3-testing	8.5 k		
dpm		x86_64	1.8.6-1.el6
UMD-3-testing	151 k		
dpm-devel		x86_64	1.8.6-1.el6
UMD-3-testing	204 k		
dpm-libs		i386	1.8.6-1.el6
UMD-3-testing	137 k		
dpm-libs		x86_64	1.8.6-1.el6
UMD-3-testing	133 k		
dpm-perl		x86_64	1.8.6-1.el6
UMD-3-testing	168 k		
dpm-python		x86_64	1.8.6-1.el6
UMD-3-testing	204 k		
ed		x86_64	1.1-3.3.el6
sl	71 k		

editline		x86_64	2.9-1.sl6
UMD-3-testing	202 k		
emi-version		x86_64	3.2.0-1.sl6
UMD-3-untested	2.2 k		
emi.amga.amga-cli		x86_64	2.4.0-1.sl6
UMD-3-testing	281 k		
emi.saga-adapter.context-cpp		x86_64	1.0.2-
3.sl6	UMD-3-testing		347 k
emi.saga-adapter.isn-common		noarch	1.0.1-
3.sl6	UMD-3-testing		18 k
emi.saga-adapter.isn-cpp		x86_64	1.0.3-1.sl6
UMD-3-testing	779 k		
emi.saga-adapter.sd-cpp		x86_64	1.0.4-1.sl6
UMD-3-testing	4.2 M		
expat		i686	2.0.1-11.el6_2
sl	78 k		
fetch-curl		noarch	3.0.8-1.el6
epel	45 k		
flac		x86_64	1.2.1-6.1.el6
sl	242 k		
fontconfig		x86_64	2.8.0-3.el6
sl	185 k		
foomatic		x86_64	4.0.4-1.el6_1.1
sl	250 k		
foomatic-db		noarch	4.0-
7.20091126.el6		sl	979 k
foomatic-db-filesystem		noarch	4.0-
7.20091126.el6		sl	3.4 k
foomatic-db-ppds		noarch	4.0-
7.20091126.el6		sl	19 M
freetype		x86_64	2.3.11-14.el6_3.1
sl	358 k		
fuse		x86_64	2.8.3-4.el6
sl	70 k		

fuse-libs sl	73 k	x86_64	2.8.3-4.el6
gamin sl	119 k	i686	0.1.10-9.el6
gettext sl	1.8 M	x86_64	0.17-16.el6
gfal UMD-3-untested	127 k	i386	1.15.0-0.el6
gfal UMD-3-untested	120 k	x86_64	1.15.0-0.el6
gfal-python UMD-3-untested	37 k	x86_64	1.15.0-0.el6
gfal2-all UMD-3-untested	6.9 k	x86_64	2.2.0-1.el6
gfal2-core UMD-3-untested	39 k	x86_64	2.2.0-1.el6
gfal2-devel UMD-3-untested	29 k	x86_64	2.2.0-1.el6
gfal2-doc UMD-3-untested	93 k	x86_64	2.2.0-1.el6
gfal2-plugin-dcap UMD-3-untested	13 k	x86_64	2.2.0-1.el6
gfal2-plugin-gridftp UMD-3-untested	46 k	x86_64	2.2.0-1.el6
gfal2-plugin-lfc UMD-3-untested	21 k	x86_64	2.2.0-1.el6
gfal2-plugin-rfio UMD-3-untested	13 k	x86_64	2.2.0-1.el6
gfal2-plugin-srm UMD-3-untested	36 k	x86_64	2.2.0-1.el6
gfal2-python UMD-3-testing	65 k	x86_64	1.1.0-0.el6



gfal2-transfer UMD-3-untested	17 k	x86_64	2.2.0-1.el6
gfalFS UMD-3-testing	15 k	x86_64	1.0.1-0.el6
ghostscript sl	4.4 M	x86_64	8.70-14.el6_3.1
ghostscript-fonts sl	749 k	noarch	5.50-23.1.el6
giflib sl	36 k	x86_64	4.1.6-3.1.el6
glib2 sl	1.1 M	i686	2.22.5-7.el6
glib2-devel sl	1.3 M	x86_64	2.22.5-7.el6
glibc sl	4.3 M	i686	2.12-1.107.el6
glibmm24 sl	271 k	x86_64	2.22.1-1.el6
glite-jobid-api-c UMD-3-untested	15 k	x86_64	2.2.8-1.el6
glite-lb-client UMD-3-untested	151 k	x86_64	6.0.6-1.el6
glite-lb-client-progs UMD-3-untested	89 k	x86_64	6.0.6-1.el6
glite-lb-common UMD-3-untested	103 k	x86_64	9.0.6-1.el6
glite-lbjp-common-gss UMD-3-untested	21 k	x86_64	3.2.12-1.el6
glite-lbjp-common-trio UMD-3-untested	30 k	x86_64	2.3.9-1.el6
glite-service-discovery-api-c UMD-3-testing	38 k	x86_64	2.2.3-1.sl6
glite-wms-brokerinfo-access 3.sl6	UMD-3-testing	x86_64	3.5.0- 16 k

glite-wms-brokerinfo-access-lib 3.sl6		x86_64	3.5.0- 18 k
glite-wn-info UMD-3-testing	5.6 k	noarch	1.0.3-2.sl6
glite-yaim-clients UMD-3-testing	24 k	noarch	5.2.0-1.sl6
glite-yaim-core UMD-3-untested	102 k	noarch	5.1.2-1.sl6
globus-callout UMD-3-testing	16 k	i686	2.2-1.el6
globus-callout UMD-3-testing	17 k	x86_64	2.2-1.el6
globus-common UMD-3-testing	114 k	i686	14.9-1.el6
globus-common UMD-3-testing	114 k	x86_64	14.9-1.el6
globus-ftp-client UMD-3-testing	92 k	i686	7.4-1.el6
globus-ftp-client UMD-3-testing	94 k	x86_64	7.4-1.el6
globus-ftp-control UMD-3-testing	67 k	i686	4.5-2.el6
globus-ftp-control UMD-3-testing	68 k	x86_64	4.5-2.el6
globus-gass-copy UMD-3-testing	34 k	i686	8.6-1.el6
globus-gass-copy UMD-3-testing	34 k	x86_64	8.6-1.el6
globus-gass-copy-progs epel	41 k	x86_64	8.6-1.el6
globus-gass-transfer UMD-3-testing	39 k	i686	7.2-1.el6

globus-gass-transfer UMD-3-testing	39 k	x86_64	7.2-1.el6
globus-gsi-callback UMD-3-testing	36 k	i686	4.4-1.el6
globus-gsi-callback UMD-3-testing	37 k	x86_64	4.4-1.el6
globus-gsi-cert-utils UMD-3-testing	18 k	i686	8.3-1.el6
globus-gsi-cert-utils UMD-3-testing	19 k	x86_64	8.3-1.el6
globus-gsi-credential UMD-3-testing	30 k	i686	5.3-1.el6
globus-gsi-credential UMD-3-testing	32 k	x86_64	5.3-1.el6
globus-gsi-openssl-error UMD-3-testing	15 k	i686	2.1-2.el6
globus-gsi-openssl-error UMD-3-testing	16 k	x86_64	2.1-2.el6
globus-gsi-proxy-core UMD-3-testing	30 k	i686	6.2-1.el6
globus-gsi-proxy-core UMD-3-testing	32 k	x86_64	6.2-1.el6
globus-gsi-proxy-ssl UMD-3-testing	16 k	i686	4.1-2.el6
globus-gsi-proxy-ssl UMD-3-testing	16 k	x86_64	4.1-2.el6
globus-gsi-sysconfig UMD-3-testing	26 k	i686	5.3-1.el6
globus-gsi-sysconfig UMD-3-testing	27 k	x86_64	5.3-1.el6
globus-gss-assist UMD-3-testing	31 k	i686	8.7-1.el6
globus-gss-assist UMD-3-testing	32 k	x86_64	8.7-1.el6

globus-gssapi-error UMD-3-testing	13 k	i686	4.1-2.el6
globus-gssapi-error UMD-3-testing	13 k	x86_64	4.1-2.el6
globus-gssapi-gsi UMD-3-testing	53 k	i686	10.7-1.el6
globus-gssapi-gsi UMD-3-testing	55 k	x86_64	10.7-1.el6
globus-io UMD-3-testing	38 k	i686	9.4-1.el6
globus-io UMD-3-testing	39 k	x86_64	9.4-1.el6
globus-openssl-module UMD-3-testing	13 k	i686	3.2-1.el6
globus-openssl-module UMD-3-testing	13 k	x86_64	3.2-1.el6
globus-proxy-utils epel	43 k	x86_64	5.0-2.el6
globus-xio UMD-3-testing	142 k	i686	3.3-1.el6
globus-xio UMD-3-testing	159 k	x86_64	3.3-1.el6
globus-xio-gsi-driver UMD-3-testing	31 k	i686	2.3-1.el6
globus-xio-gsi-driver UMD-3-testing	34 k	x86_64	2.3-1.el6
globus-xio-popen-driver UMD-3-testing	19 k	i686	2.3-1.el6
globus-xio-popen-driver UMD-3-testing	20 k	x86_64	2.3-1.el6
gnutls sl-security	345 k	x86_64	2.8.5-10.el6_4.1

gridftp-ifce UMD-3-untested	14 k	i386	2.3.1-0.el6
gridftp-ifce UMD-3-untested	14 k	x86_64	2.3.1-0.el6
gridsite-libs UMD-3-testing	88 k	x86_64	2.0.4-1.el6
gsoap epel	205 k	i686	2.7.16-3.el6
gsoap epel	198 k	x86_64	2.7.16-3.el6
gstreamer sl	763 k	x86_64	0.10.29-1.el6
gstreamer-plugins-base 2.el6	sl	x86_64	0.10.29- 939 k
gstreamer-tools sl	22 k	x86_64	0.10.29-1.el6
gtk2 sl	3.3 M	x86_64	2.18.9-12.el6
hicolor-icon-theme sl	39 k	noarch	0.11-1.1.el6
is-interface UMD-3-untested	46 k	i386	1.15.0-0.el6
is-interface UMD-3-untested	46 k	x86_64	1.15.0-0.el6
iso-codes sl	2.4 M	noarch	3.16-2.el6
jakarta-commons-io sl	104 k	noarch	1.4-3.el6
jasper-libs 15.el6_1.1	sl	x86_64	1.900.1- 135 k
java-1.6.0-openjdk 1.61.1.11.11.el6_4	sl-security	x86_64	1:1.6.0.0- 25 M
jclassads UMD-3-testing	95 k	noarch	2.4.0-3.sl6

jline sl	85 k	noarch	0.9.94-0.8.el6
jpackage-utils sl	58 k	noarch	1.7.5-3.12.el6
keyutils-libs sl	19 k	i686	1.4-4.el6
keyutils-libs-devel sl	28 k	x86_64	1.4-4.el6
krb5-devel sl-security	493 k	x86_64	1.10.3-10.el6_4.2
krb5-libs sl-security	767 k	i686	1.10.3-10.el6_4.2
lcg-ManageVOTag UMD-3-testing	4.9 k	noarch	4.0.0-1
lcg-info UMD-3-testing	13 k	noarch	1.12.2-1.el6
lcg-infosites UMD-3-testing	10 k	noarch	3.1.0-3.el6
lcg-tags UMD-3-testing	8.9 k	noarch	0.4.0-2
lcg-util UMD-3-untested	72 k	x86_64	1.15.0-0.el6
lcg-util-libs UMD-3-untested	54 k	i386	1.15.0-0.el6
lcg-util-libs UMD-3-untested	54 k	x86_64	1.15.0-0.el6
lcg-util-python UMD-3-untested	35 k	x86_64	1.15.0-0.el6
lcgdm-devel UMD-3-testing	44 k	i386	1.8.6-1.el6
lcgdm-devel UMD-3-testing	44 k	x86_64	1.8.6-1.el6

lcmdm-libs UMD-3-testing	89 k	i386	1.8.6-1.el6
lcmdm-libs UMD-3-testing	91 k	x86_64	1.8.6-1.el6
lcms-libs sl	99 k	x86_64	1.19-1.el6
lfc UMD-3-testing	98 k	x86_64	1.8.6-1.el6
lfc-devel UMD-3-testing	134 k	x86_64	1.8.6-1.el6
lfc-libs UMD-3-testing	39 k	i386	1.8.6-1.el6
lfc-libs UMD-3-testing	38 k	x86_64	1.8.6-1.el6
lfc-perl UMD-3-testing	124 k	x86_64	1.8.6-1.el6
lfc-python UMD-3-testing	243 k	x86_64	1.8.6-1.el6
libICE sl	52 k	x86_64	1.0.6-1.el6
libSM sl	36 k	x86_64	1.2.1-2.el6
libX11 sl	584 k	x86_64	1.5.0-4.el6
libX11-common sl	191 k	noarch	1.5.0-4.el6
libXau sl	23 k	x86_64	1.0.6-4.el6
libXcomposite sl	20 k	x86_64	0.4.3-4.el6
libXcursor sl	36 k	x86_64	1.1.13-2.el6
libXdamage sl	17 k	x86_64	1.1.3-4.el6

libXext sl	34 k	x86_64	1.3.1-2.el6
libXfixes sl	23 k	x86_64	5.0-3.el6
libXfont sl	135 k	x86_64	1.4.5-2.el6
libXft sl	54 k	x86_64	2.3.1-2.el6
libXi sl	34 k	x86_64	1.6.1-3.el6
libXinerama sl	19 k	x86_64	1.1.2-2.el6
libXrandr sl	36 k	x86_64	1.4.0-1.el6
libXrender sl	29 k	x86_64	0.9.7-2.el6
libXt sl	183 k	x86_64	1.1.3-1.el6
libXtst sl	28 k	x86_64	1.2.1-2.el6
libXv sl	23 k	x86_64	1.0.7-2.el6
libXxf86vm sl	21 k	x86_64	1.1.2-2.el6
libasyncns sl	23 k	x86_64	0.8-1.1.el6
libattr-devel sl	39 k	x86_64	2.4.44-7.el6
libcom_err sl	35 k	i686	1.41.12-14.el6
libcom_err-devel sl	31 k	x86_64	1.41.12-14.el6



libfontenc sl	24 k	x86_64	1.0.5-2.el6
libgcc sl	111 k	i686	4.4.7-3.el6
libgomp sl	117 k	x86_64	4.4.7-3.el6
libgudev1 sl	59 k	x86_64	147-2.46.el6
libicu sl	4.9 M	x86_64	4.2.1-9.1.el6_2
libjpeg-turbo sl	173 k	x86_64	1.2.1-1.el6
libmng sl	164 k	x86_64	1.0.10-4.1.el6
libogg sl	20 k	x86_64	2:1.1.4-2.1.el6
liboil sl	120 k	x86_64	0.3.16-4.1.el6
libpng sl	181 k	x86_64	2:1.2.49-1.el6_2
libselinux sl	107 k	i686	2.0.94-5.3.el6
libselinux-devel sl	135 k	x86_64	2.0.94-5.3.el6
libsepol-devel sl	63 k	x86_64	2.0.41-4.el6
libsigc++20 sl	52 k	x86_64	2.2.4.2-1.el6
libsndfile sl	232 k	x86_64	1.0.20-5.el6
libstdc++ sl	299 k	i686	4.4.7-3.el6
libtasn1 sl	237 k	x86_64	2.3-3.el6_2.1

libthai sl	182 k	x86_64	0.1.12-3.el6
libtheora sl	128 k	x86_64	1:1.1.0-2.el6
libtiff sl	341 k	x86_64	3.9.4-9.el6_3
libtool-ltdl sl	44 k	i686	2.2.6-15.5.el6
libtool-ltdl sl	43 k	x86_64	2.2.6-15.5.el6
libudev sl	72 k	x86_64	147-2.46.el6
libuuid sl	66 k	i686	2.17.2-12.9.el6
libvisual sl	134 k	x86_64	0.4.0-9.1.el6
libvorbis sl	167 k	x86_64	1:1.2.3-4.el6_2.1
libxcb sl	109 k	x86_64	1.8.1-1.el6
mailcap sl	26 k	noarch	2.1.31-2.el6
make sl	388 k	x86_64	1:3.81-20.el6
mesa-dri-drivers sl	4.1 M	x86_64	9.0-0.7.el6
mesa-dri-filesystem sl	43 k	x86_64	9.0-0.7.el6
mesa-dri1-drivers sl	3.8 M	x86_64	7.11-8.el6
mesa-libGL sl	162 k	x86_64	9.0-0.7.el6

mesa-libGLU sl	224 k	x86_64	9.0-0.7.el6
ncurses-libs sl	250 k	i686	5.7-3.20090208.el6
nspr sl	113 k	i686	4.9.2-1.el6
nss sl	773 k	i686	3.14.0.0-12.el6
nss-softokn sl	171 k	i686	3.12.9-11.el6
nss-softokn-freebl sl	115 k	i686	3.12.9-11.el6
nss-util sl	60 k	i686	3.14.0.0-2.el6
openjpeg-libs sl	58 k	x86_64	1.3-9.el6_3
openldap sl	266 k	i686	2.4.23-31.el6
openldap-clients sl	164 k	x86_64	2.4.23-31.el6
openssl sl-security	1.4 M	i686	1.0.0-27.el6_4.2
openssl-devel sl-security	1.1 M	x86_64	1.0.0-27.el6_4.2
pango sl	349 k	x86_64	1.28.1-7.el6_3
patch sl	90 k	x86_64	2.6-6.el6
pax sl	68 k	x86_64	3.4-10.1.el6
perl-Authen-SASL sl	50 k	noarch	2.13-2.el6
perl-CGI sl-security	207 k	x86_64	3.51-130.el6_4

perl-Compress-Raw-Zlib 130.el6_4		x86_64	1:2.020-
	sl-security		67 k
perl-Compress-Zlib 130.el6_4		x86_64	2.020-
	sl-security		43 k
perl-Convert-ASN1 sl	42 k	noarch	0.22-1.el6
perl-DBI sl	704 k	x86_64	1.609-4.el6
perl-Digest-HMAC sl	21 k	noarch	1.01-22.el6
perl-Digest-SHA1 sl	48 k	x86_64	2.12-2.el6
perl-ExtUtils-MakeMaker 130.el6_4		x86_64	6.55-
	sl-security		291 k
perl-ExtUtils-ParseXS 130.el6_4		x86_64	1:2.2003.0-
	sl-security		43 k
perl-GSSAPI sl	63 k	x86_64	0.26-6.el6
perl-HTML-Parser sl	108 k	x86_64	3.64-2.el6
perl-HTML-Tagset sl	15 k	noarch	3.20-4.el6
perl-IO-Compress-Base 130.el6_4		x86_64	2.020-
	sl-security		67 k
perl-IO-Compress-Zlib 130.el6_4		x86_64	2.020-
	sl-security		133 k
perl-IO-Socket-SSL sl	68 k	noarch	1.31-2.el6
perl-LDAP sl	353 k	noarch	1:0.40-1.el6
perl-Net-LibIDN sl	34 k	x86_64	0.12-3.el6

perl-Net-SSLeay sl	172 k	x86_64	1.35-9.el6
perl-Test-Harness 130.el6_4		x86_64 sl-security	3.17- 229 k
perl-Test-Simple sl-security	110 k	x86_64	0.92-130.el6_4
perl-Text-Iconv sl	21 k	x86_64	1.7-6.el6
perl-URI sl	116 k	noarch	1.40-2.el6
perl-XML-Filter-BufferText sl	8.5 k	noarch	1.01-8.el6
perl-XML-LibXML 5.el6	sl	x86_64	1:1.70- 363 k
perl-XML-Namespacesupport 3.el6	sl	noarch	1.10- 16 k
perl-XML-SAX sl	77 k	noarch	0.96-7.el6
perl-XML-SAX-Writer sl	23 k	noarch	0.50-8.el6
perl-devel 130.el6_4		x86_64 sl-security	4:5.10.1- 420 k
perl-libwww-perl sl	386 k	noarch	5.833-2.el6
phonon-backend-gstreamer 26.el6_4		x86_64 sl-security	1:4.6.2- 126 k
pixman sl-security	199 k	x86_64	0.26.2-5.el6_4
pkgconfig sl	69 k	x86_64	1:0.23-9.1.el6
poppler sl	556 k	x86_64	0.12.4-3.el6_0.1
poppler-data sl	2.2 M	noarch	0.4.0-1.el6

poppler-utils sl	72 k	x86_64	0.12.4-3.el6_0.1
portreserve sl	22 k	x86_64	0.0.4-9.el6
pulseaudio-libs sl	461 k	x86_64	0.9.21-14.el6_3
python-ldap sl	124 k	x86_64	2.3.10-1.el6
qt sl-security	3.9 M	x86_64	1:4.6.2-26.el6_4
qt-sqlite sl-security	50 k	x86_64	1:4.6.2-26.el6_4
qt-x11 sl-security	12 M	x86_64	1:4.6.2-26.el6_4
qt3 sl	3.5 M	x86_64	3.3.8b-30.el6
readline sl	175 k	i686	6.0-4.el6
redhat-lsb sl	10 k	x86_64	4.0-7.el6
redhat-lsb-compat sl	9.3 k	x86_64	4.0-7.el6
redhat-lsb-core sl	24 k	x86_64	4.0-7.el6
redhat-lsb-graphics sl	12 k	x86_64	4.0-7.el6
redhat-lsb-printing sl	10 k	x86_64	4.0-7.el6
rhino sl	777 k	noarch	1.7-0.7.r2.2.el6
sqlite sl	306 k	i686	3.6.20-1.el6

srm-ifce UMD-3-untested		i386 157 k	1.15.2-1.el6
srm-ifce UMD-3-untested		x86_64 146 k	1.15.2-1.el6
time sl	25 k	x86_64	1.7-37.1.el6
tmpwatch sl	30 k	x86_64	2.9.16-4.el6
tzdata-java sl-security	155 k	noarch	2013b-1.el6
uberftp epel	82 k	x86_64	2.6-4.el6
urw-fonts sl	3.0 M	noarch	2.4-10.el6
voms UMD-3-testing	140 k	i386	2.0.10-1.el6
voms UMD-3-testing	136 k	x86_64	2.0.10-1.el6
voms-api-java3 UMD-3-testing	118 k	noarch	3.0.0-1.el6
voms-clients3 UMD-3-untested	124 k	noarch	3.0.1-1.el6
voms-devel UMD-3-testing	26 k	x86_64	2.0.10-1.el6
xerces-c sl	865 k	x86_64	3.0.1-20.el6
xml-common sl	8.4 k	noarch	0.6.3-32.el6
xorg-x11-font-utils sl	74 k	x86_64	1:7.2-11.el6
zlib sl	72 k	i686	1.2.3-29.el6
zlib-devel sl	43 k	x86_64	1.2.3-29.el6

## Transaction Summary

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Install 338 Package(s)

}}

\* yum install emi-wn emi-torque-client

{{

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Package Repository	Size	Arch	Version
===== ===== ===== =====			

Installing:

emi-torque-client		noarch	1.0.0-2.sl6
UMD-3-testing	1.9 k		

Installing for dependencies:

glite-yaim-torque-client		noarch	5.1.0-1.sl6
UMD-3-testing	5.0 k		

lcg-pbs-utils		x86_64	2.0.0-1.sl6
UMD-3-testing	4.3 k		



munge epel	111 k	x86_64	0.5.10-1.el6
munge-libs epel	32 k	x86_64	0.5.10-1.el6
tcl sl	1.9 M	x86_64	1:8.5.7-6.el6
torque epel	56 k	x86_64	2.5.7-9.el6
torque-client epel	309 k	x86_64	2.5.7-9.el6
torque-libs epel	87 k	x86_64	2.5.7-9.el6
torque-mom epel	168 k	x86_64	2.5.7-9.el6

### Transaction Summary

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```

Install 10 Package(s)

}}}

\* yum install mpi-start

{{{

```

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```

Package Repository	Arch Size	Version
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```

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```

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=====  
Installing:

mpi-start	noarch	1.5.0-1.el6
EMI.mpi.sl6.x86_64	40 k	

Transaction Summary

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}}}

\* yum install glite-mpi

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Package	Arch	Version
Repository	Size	

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=====

Installing:

emi-mpi	noarch	1.0.2-1.el6
EMI.mpi.sl6.x86_64	1.9 k	

Installing for dependencies:

glite-yaim-mpi	noarch	1.1.12-1.el6
EMI.mpi.sl6.x86_64	15 k	

## Transaction Summary

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}}}

\* yum install openmpi openmpi-devel

{{{

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```

Package Repository	Arch Size	Version
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```
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```

Installing:

openmpi sl	2.1 M	x86_64	1.5.4-1.el6
openmpi-devel sl	2.4 M	x86_64	1.5.4-1.el6

Installing for dependencies:

cloog-pp1 sl	92 k	x86_64	0.15.7-1.2.el6
cpp sl	3.7 M	x86_64	4.4.7-3.el6
environment-modules sl	97 k	x86_64	3.2.9c-4.el6
gcc sl	10 M	x86_64	4.4.7-3.el6

gcc-gfortran sl	4.7 M	x86_64	4.4.7-3.el6
glibc-devel sl	973 k	x86_64	2.12-1.107.el6
glibc-headers sl	603 k	x86_64	2.12-1.107.el6
infinipath-psm 115.1015_open.1.el6		x86_64 sl	3.0.1- 159 k
kernel-headers 358.6.1.el6		x86_64 sl-security	2.6.32- 2.3 M
libesmtp sl	56 k	x86_64	1.0.4-15.el6
libgfortran sl	264 k	x86_64	4.4.7-3.el6
libibverbs sl	44 k	x86_64	1.1.6-5.el6
librdmacm 0.git4b5c1aa.el6		x86_64 sl	1.0.17- 46 k
mpfr sl	156 k	x86_64	2.4.1-6.el6
numactl sl	68 k	x86_64	2.0.7-6.el6
ppl sl	1.3 M	x86_64	0.10.2-11.el6

### Transaction Summary

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```

}}}

\* yum install gcc-gfortran gcc.x86\_64 gcc-c++.x86\_64 compat-gcc-34.x86\_64 compat-gcc-34-c++.x86\_64 compat-gcc-34-g77.x86\_64

{{{

```
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```

Package Repository	Size	Arch	Version
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```
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```

Installing:

compat-gcc-34 19.el6	sl	x86_64	3.7 M	3.4.6-
compat-gcc-34-c++ 19.el6	sl	x86_64	10 M	3.4.6-
compat-gcc-34-g77 19.el6	sl	x86_64	2.1 M	3.4.6-
gcc-c++ sl	4.7 M	x86_64		4.4.7-3.el6

Installing for dependencies:

compat-libf2c-34 19.el6	sl	x86_64	50 k	3.4.6-
libstdc++-devel sl	1.6 M	x86_64		4.4.7-3.el6

Transaction Summary

```
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```

}}}

== yaim configuration (OK) ==

{{{

[root@test15 etc]# /opt/glite/yaim/bin/yaim -c -s /opt/glite/yaim/etc/site-info.def -n  
MPI\_WN -n WN -n TORQUE\_client

WARNING:

WARNING:

\*\*\*\*\*  
\*\*\*\*\*

WARNING: Your siteinfo directory is world readable. This is generally a bad idea

WARNING: as configuration files may contain passwords and other sensitive  
information.

WARNING:

\*\*\*\*\*  
\*\*\*\*\*

WARNING:

INFO: Configuring HOST: test15.egi.cesga.es

INFO: Using site configuration file: /opt/glite/yaim/etc/site-info.def

INFO:

#####

. /'.-' )  
. yA,-"-,( ,m,:/ ) .oo. oo o ooo o. .oo  
. / .-Y a a Y-. 8. .8' 8'8. 8 8b d'8  
. / ~~/ 8' .8oo88. 8 8 8' 8  
. (\_/ '====' 8 .8' 8. 8 8 Y 8  
. Y,-"-,Yy,-,./ o8o o8o o88o o8o o8o o8o  
. I))\_)I))\_)

current working directory: /opt/glite/yaim/etc

site-info.def date: May 6 10:33 /opt/glite/yaim/etc/site-info.def

yaim command: -c -s /opt/glite/yaim/etc/site-info.def -n MPI\_WN -n WN -n TORQUE\_client

log file: /opt/glite/yaim/bin/./log/yaimlog

Mon May 6 10:36:06 CEST 2013 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:

glite-yaim-clients 5.2.0-1

glite-yaim-core 5.1.2-1

glite-yaim-mpi 1.1.12-1

glite-yaim-torque-client 5.1.0-1

#####

INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec

INFO: Sourcing the utilities in /opt/glite/yaim/functions/utills

INFO: Detecting environment

INFO: Executing function: config\_mpi\_wn\_check

INFO: Executing function: config\_sysconfig\_lcg\_check

INFO: Executing function: config\_globus\_clients\_check

INFO: Executing function: config\_lcgenenv\_check

INFO: Executing function: config\_users\_check

INFO: Executing function: config\_sw\_dir\_check

INFO: Executing function: config\_fts\_client\_check

INFO: Executing function: config\_amga\_client\_check

INFO: Executing function: config\_wn\_check

INFO: Executing function: config\_vommdir\_check

INFO: Executing function: config\_vomses\_check

INFO: Executing function: config\_glite\_saga\_check

INFO: Executing function: config\_add\_pool\_env\_check

INFO: Executing function: config\_wn\_info\_check

INFO: Executing function: config\_torque\_client\_check

INFO: Executing function: config\_mpi\_wn\_setenv

INFO: Found OPENMPI at /usr/lib64/openmpi

INFO: Installed version of OPENMPI is 1.5.4

INFO: Setting I2G\_MPI\_START env variable to /usr/bin/mpi-start

INFO: Executing function: config\_mpi\_wn

INFO: Executing function: config\_ldconf

INFO: config\_ldconf: function not needed anymore, left empty waiting to be removed

INFO: Executing function: config\_sysconfig\_edg

INFO: Executing function: config\_sysconfig\_globus

INFO: Executing function: config\_sysconfig\_lcg

INFO: Executing function: config\_crl

INFO: Now updating the CRLs - this may take a few minutes...

WARNING: /usr/libexec/fetch-crl.sh didn't finish successfully

WARNING: CRLs may not be updated, please have a look !

Enabling periodic fetch-crl: [ OK ]

INFO: Executing function: config\_rfio



INFO: Executing function: config\_globus\_clients\_setenv

INFO: Executing function: config\_globus\_clients

INFO: Configure the globus service - not needed in EMI

INFO: Executing function: config\_lcgenv

INFO: Executing function: config\_users

INFO: Executing function: config\_sw\_dir\_setenv

INFO: Executing function: config\_sw\_dir

INFO: Executing function: config\_fts\_client

INFO: Executing function: config\_amga\_client\_setenv

INFO: Executing function: config\_amga\_client

INFO: Executing function: config\_wn\_setenv

INFO: Executing function: config\_wn

INFO: Executing function: config\_vomsdir\_setenv

INFO: Executing function: config\_vomsdir

INFO: Executing function: config\_vomses

INFO: Executing function: config\_glite\_saga\_setenv

INFO: Executing function: config\_glite\_saga

INFO: Executing function: config\_add\_pool\_env\_setenv

INFO: Executing function: config\_add\_pool\_env

INFO: Executing function: config\_wn\_info

WARNING: No subcluster has been defined for the WN in the WN\_LIST file  
/opt/glite/yaim/etc/wn-list.conf

WARNING: YAIM will use the default subcluster id: CE\_HOST ->  
test06.egi.cesga.es

INFO: Executing function: config\_torque\_client

munge: Error: Unable to access "/var/run/munge/munge.socket.2": No such file or  
directory

/usr/bin/pbsnodes: Invalid credential

WARNING: Could not establish connection with the BATCH\_SERVER, please verify!

WARNING: /var/lib/torque/mom\_priv/config already exists, YAIM will not touch it

WARNING: Batch server defined in BATCH\_SERVER variable is different

WARNING: from the batch server defined under /var/lib/torque/mom\_priv/config

WARNING: Remove /var/lib/torque/mom\_priv/config and reconfigure again to use the new value!

WARNING: The munge key /etc/munge/munge.key does not exist.

WARNING: Munge is required for communication between torque server and submitters.

WARNING: Not starting the munge daemon

INFO: starting pbs\_mom...

Shutting down TORQUE Mom: pbs\_mom already stopped [ OK ]

Starting TORQUE Mom: [ OK ]

INFO: Configuration Complete. [ OK ]

INFO: YAIM terminated successfully.

[root@test15 etc]#

}}}

=== testing (OK) ===

{{{

[root@test06 yum.repos.d]# ldapsearch -x -h test06.egi.cesga.es -p 2170 -b mds-vo-name=resource,o=grid | grep MPI

GlueHostApplicationSoftwareRunTimeEnvironment: OPENMPI

```
GlueHostApplicationSoftwareRunTimeEnvironment: OPENMPI-1.4-4
GlueHostApplicationSoftwareRunTimeEnvironment: MPI-START
GlueHostApplicationSoftwareRunTimeEnvironment: MPI-START-1.5.0
GlueHostApplicationSoftwareRunTimeEnvironment: MPI_NO_SHARED_HOME
}}}
```

```
{{{
```

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D esfreire -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops job1.jdl
```

```
https://test06.egi.cesga.es:8443/CREAM168029900
```

```
***** JobID=[https://test06.egi.cesga.es:8443/CREAM168029900]
```

```
      Status      = [DONE-OK]
```

```
      ExitCode    = [0]
```

```
[root@se2 tmp]# cat std.*
```

```
mpi-start [INFO ]:
```

```
*****
```

```
mpi-start [INFO ]: UID    = opssgm006
```

```
mpi-start [INFO ]: HOST   = test15.egi.cesga.es
```

```
mpi-start [INFO ]: DATE   = Mon May 6 11:12:35 CEST 2013
```

```
mpi-start [INFO ]: VERSION = 1.5.0
```

```
mpi-start [INFO ]:
```

```
*****
```

```
mpi-start [INFO ]: search for scheduler
```

```
mpi-start [INFO ]: activate support for pbs
mpi-start [INFO ]: Unable to detect number of cores per cpu, assuming 1
mpi-start [INFO ]: Detected 0 CPU socket(s) and 1 core(s) per CPU
mpi-start [INFO ]: activate support for openmpi
mpi-start [INFO ]: call backend MPI implementation
mpi-start [INFO ]: start program with mpirun
Process 1 on test15.egi.cesga.es: n=0
Process 0 on test15.egi.cesga.es: n=0
Using 16384 intervals
Process 3 on test14.egi.cesga.es: n=0
Process 2 on test14.egi.cesga.es: n=0
Compiling cpi
Successfully compiled cpi
Warning: Permanently added the RSA host key for IP address '193.144.35.52' to the list
of known hosts.
==[START]=====
=====
pi is approximately 3.1415926539002341, Error is 0.0000000003104410
wall clock time = 0.003615
==[FINISHED]=====
=====
}}}

{{{

[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D esfreire -r
test06.egi.cesga.es:8443/cream-pbs-GRID_ops job3.jdl
```

https://test06.egi.cesga.es:8443/CREAM674033129

[esfreire@test13 mpi\_job\_grid\_verification]\$ glite-ce-job-status  
https://test06.egi.cesga.es:8443/CREAM674033129

\*\*\*\*\* JobID=[https://test06.egi.cesga.es:8443/CREAM674033129]

Status = [DONE-OK]

ExitCode = [0]

[root@se2 tmp]# cat std.\*

mpi-start [INFO ]:

\*\*\*\*\*

mpi-start [INFO ]: UID = opssgm006

mpi-start [INFO ]: HOST = test15.egi.cesga.es

mpi-start [INFO ]: DATE = Mon May 6 11:19:37 CEST 2013

mpi-start [INFO ]: VERSION = 1.5.0

mpi-start [INFO ]:

\*\*\*\*\*

mpi-start [INFO ]: search for scheduler

mpi-start [INFO ]: activate support for pbs

mpi-start [INFO ]: Unable to detect number of cores per cpu, assuming 1

mpi-start [INFO ]: Detected 0 CPU socket(s) and 1 core(s) per CPU

mpi-start [INFO ]: activate support for openmpi

mpi-start [INFO ]: call backend MPI implementation

mpi-start [INFO ]: start program with mpirun

Process 0 on test15.egi.cesga.es: n=0

Using 16384 intervals

Process 1 on test15.egi.cesga.es: n=0

Compiling cpi

Successfully compiled cpi

```
=[START]=====
```

pi is approximately 3.1415926539002363, Error is 0.0000000003104432

wall clock time = 0.000982

```
=[FINISHED]=====
```

}}}

{{{

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-submit -D esfreire -r test06.egi.cesga.es:8443/cream-pbs-GRID_ops job-oldsyntax.jdl
```

<https://test06.egi.cesga.es:8443/CREAM187863259>

```
[esfreire@test13 mpi_job_grid_verification]$ glite-ce-job-status https://test06.egi.cesga.es:8443/CREAM187863259
```

\*\*\*\*\* JobID=[<https://test06.egi.cesga.es:8443/CREAM187863259>]

Status = [DONE-OK]

ExitCode = [0]

[root@se2 tmp]# cat std.\*

```
mpi-start [INFO ]:
*****

mpi-start [INFO ]: UID    = opssgm006

mpi-start [INFO ]: HOST    = test15.egi.cesga.es

mpi-start [INFO ]: DATE    = Mon May 6 11:22:54 CEST 2013

mpi-start [INFO ]: VERSION = 1.5.0

mpi-start [INFO ]:
*****

mpi-start [INFO ]: search for scheduler

mpi-start [INFO ]: activate support for pbs

mpi-start [INFO ]: Unable to detect number of cores per cpu, assuming 1

mpi-start [INFO ]: Detected 0 CPU socket(s) and 1 core(s) per CPU

mpi-start [INFO ]: activate support for openmpi

mpi-start [INFO ]: call backend MPI implementation

mpi-start [INFO ]: start program with mpirun

Process 1 on test15.egi.cesga.es: n=0

Process 3 on test14.egi.cesga.es: n=0

Process 0 on test15.egi.cesga.es: n=0

Using 16384 intervals

Process 2 on test14.egi.cesga.es: n=0

Compiling cpi

Successfully compiled cpi

=[START]=====
=====

pi is approximately 3.1415926539002341, Error is 0.0000000003104410

wall clock time = 0.001416
```

=[FINISHED]=====

}}



**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):**

EMI.mpi.sl6.x86\_64-1.5.0 was updated and installed from scratch using UMD-3 repository without any important issue in a creamCE and Worker Nodes with Torque + Maui.

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

**Comments for TP:**