

## GLITE TORQUE SERVER

### 1. RELEASE DESCRIPTION

This release contains the gLite Torque Server module v. 2.1.2 The following sections provide additional information about the release content, the module dependencies, the know bugs and issues and a list of bugs closed since the previous release. For information about installing and using the gLite Torque Server, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

#### 2.1. CHANGES IN FUNCTIONALITY

This release doesn't contain any functional changes.

#### 2.2. CHANGES IN CONFIGURATION

The following new parameters have been added to the glite-torque-server.cfg.xml file:

Parameter name	Default value	Description
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The following parameters have been changed in the glite-torque-server.cfg.xml file:

Parameter name	Old value	New value	Description
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The following new parameters have been removed from the glite-torque-server.cfg.xml file:

Parameter name	Comment
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### 3. RELEASE CONTENTS

#### 3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite Computing Element module requires the following sub-modules:

- gLite R-GMA Servicetool

The sub-modules are automatically installed with the Torque server module. For more information about these sub-modules please refer to the specific release notes and installation instructions.

#### 3.2. GLITE RPMS

The gLite Torque Server v. 2.1.2 is composed of the following gLite components:

Component name	Description	Version	File
glite-ce-blahp	CE Blahp	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-ce-blahp-1.4.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-ce-blahp-1.4.0-1.i386.rpm</a>
glite-config	gLite configuration scripts	1.4.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm</a>

glite-rgma-api-java	Java API for R-GMA	4.1.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm</a>
glite-rgma-base	R-GMA basic configuration and documentation	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm</a>
glite-rgma-common-config	gLite rgma common configuration items installation	5.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm</a>
glite-rgma-servicetool	R-GMA service tool	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm</a>
glite-rgma-servicetool-config	gLite R-GMA servicetool installation	5.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.1.0-1.noarch.rpm</a>
glite-rgma-stubs-servlet-java	Java client implementation stubs for R-GMA	4.1.13	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.13-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.13-1.noarch.rpm</a>
glite-security-trustmanager	The java certificate path checkin for proxy certs in SSL with plugins for tomcat and axis.	1.7.3	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm</a>
glite-security-util-java	The java utilities library for security	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm</a>
glite-security-utils-config	gLite Security Utilities configuration files	1.0.6	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.6-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.6-1.noarch.rpm</a>
glite-torque-server-config	gLite Torque Server node configuration files	2.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-torque-server-config-2.1.2-2.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-torque-server-config-2.1.2-2.noarch.rpm</a>

## 4. DEPENDENCIES

The gLite Torque Server module v. 2.1.2 has the following dependencies:

Component name	Version	RPM file name
tcx	8.3	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tcx-8.3-92.2.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tcx-8.3-92.2.i386.rpm</a>
torque	1.0.1p6	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-1.0.1p6-11.SL30X.st.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-1.0.1p6-11.SL30X.st.i386.rpm</a>
torque-server	1.0.1p6	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-server-1.0.1p6-11.SL30X.st.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-server-1.0.1p6-11.SL30X.st.i386.rpm</a>
torque-clients	1.0.1p6	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-clients-1.0.1p6-11.SL30X.st.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-clients-1.0.1p6-11.SL30X.st.i386.rpm</a>
torque-devel	1.0.1p6	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-devel-1.0.1p6-11.SL30X.st.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/torque-devel-1.0.1p6-11.SL30X.st.i386.rpm</a>
maui	3.2.6p11	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/maui-3.2.6p11-2.SL30X.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/maui-3.2.6p11-2.SL30X.i386.rpm</a>
maui-client	3.2.6p11	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/maui-client-3.2.6p11-2.SL30X.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/maui-client-3.2.6p11-2.SL30X.i386.rpm</a>
maui-server	3.2.6p11	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/maui-server-3.2.6p11-2.SL30X.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/maui-server-3.2.6p11-2.SL30X.i386.rpm</a>
edg-pbs-utils	1.0.8	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-pbs-utils-1.0.8-1.sl3.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-pbs-utils-1.0.8-1.sl3.noarch.rpm</a>
lcg-pbs-utils	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-pbs-utils-1.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-pbs-utils-1.0.0-1.noarch.rpm</a>
GPT	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm</a>

VDT Globus Essentials	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm</a>
Java SDK/JRE	1.4.2	<a href="http://java.sun.com/j2se/1.4.2/download.html">http://java.sun.com/j2se/1.4.2/download.html</a>

## 5. KNOWN BUGS AND ISSUES

This release has the following bugs and issues. Bug numbers refer to the gLite Bug Tracking system database hosted on the CERN Savannah system at <https://savannah.cern.ch/bugs/?group=jra1mdw>.

- No removal procedure is provided with this release apart from the removal of the RPMS. Any account, group or other resource created during the module configuration must be manually cleaned up. It also applies to the /var/spool/pbs directory shared by different pbs rpms. This directory is not removed by the rpm uninstallation. Any sshd configuration performed by the deployment module will remain unless removed manually.

Known open bugs:

Bug number	Description
#10476	the Torque Server/CE deployment script should make sure pooled accounts have interactive login

Fixed in this or previous releases, but not yet tested:

Bug number	Description
#7546	overview: no type in the descrip.of the params in the torque deploym mod XML file
#8810	glite-torque-server-config.py does not configure correctly torque
#9387	torque config script does not set acl_hosts in pbs server
#10043	glite-wn-config: torque client configuration failed
#10116	torque-server: use.log.parser within the 'advanced' parameters

## 6. BUGS CLOSED SINCE LAST RELEASE

This release fixes the following bugs and issues. Bug numbers refer to the gLite Bug Tracking system database hosted on the CERN Savannah system at <https://savannah.cern.ch/bugs/?group=jra1mdw>

Bug number	Description
#7586	Problem with the Torque Server deploym modules for the CE
#7649	torque server generates an empty shost.equiv
#7802	torque server installation with apt does not work
#8873	/etc/init.d/gLite status fails in the CE
#8983	glite-torque-server.cfg.xml has misspelled 'changeme'
#9081	torque server: misleading definition of config parameter



# Release Notes

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#9211	torque server: the config script fails to modify values changed within queue attributes	
#9724	glite-setenv.sh : PBS_SPOOL_DIR	