

## GLITE WORKER NODE

### 1. RELEASE DESCRIPTION

This release contains the gLite Worker Node module v. 2.3.0. The following sections provide additional information about the release content, the module dependencies, the known bugs and issues and a list of bugs closed since the previous release. The gLite Standard Worker Node is a suite of several gLite clients. Please refer to the individual gLite clients release notes for additional information. For information about installing and using the gLite Worker Node, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

#### 2.1. CHANGES IN FUNCTIONALITY

- Added protection mechanism to prevent rerunning the glite\_setenv.sh file if it has already been run once
- Added the LFC Client
- Use new VO configuration model
- Additional changes may have been introduced in the individual clients installed with the WN. Please refer to the specific release notes

#### 2.2. CHANGES IN CONFIGURATION

No new parameters have been added to the glite-wn.cfg.xml file.

The following parameters have been changed in the glite-wn.cfg.xml file:

Parameter name	Old value	New value	Description
wn.ServiceList	<code>&lt;value&gt;glite-file-transfer-service-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-io-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-rgma-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-dgas-client&lt;/value&gt;</code>	<code>&lt;value&gt;glite-file-transfer-service-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-io-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-rgma-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-dgas-client&lt;/value&gt;</code> <code>&lt;value&gt;glite-lfc-client-config&lt;/value&gt;</code>	The LFC Client module has been added to the list of clients to be configured on the WN

All parameters used to set VO-specific values have been removed from the service configuration files and moved to a dedicated VO configuration file called vo-list.cfg.xml. A template is available in /opt/gLite/etc/config/templates. This file is common to all gLite services running on this node or referenced in the same site-config file (unless locally overridden). For more information please refer to the gLite 1.5 installation guide.

The Service Discovery parameters for file-based discovery have been removed from the configuration file. File-based discovery is only supported for test or debugging. The normal mode of operation is based on R-GMA or BD-II discovery.

### 3. RELEASE CONTENTS

#### 3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite I/O WN module includes the following sub-modules:

- gLite Security Utilities
- gLite Service Discovery
- gLite R-GMA Client
- gLite DGAS Client
- gLite File Transfer Service Client
- gLite I/O Client
- WMProxy Client, VOMS clients and APIs
- LCF Client

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

### 3.2. GLITE RPMS

The gLite Worker Node v. 2.3.0 is composed of the following gLite components (please refer to the individual release notes for the components installed with the clients using a dedicated module, such as the R-GMA Client or the LFC Client):

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.6.22	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-config-1.6.22-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-config-1.6.22-1.noarch.rpm</a>
glite-data-api-perl	GLite	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-api-perl-1.1.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-api-perl-1.1.1-1.noarch.rpm</a>
glite-data-catalog-api-c	gLite Data Catalogs C/C++ API	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-catalog-api-c-2.0.0-4.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-catalog-api-c-2.0.0-4.i386.rpm</a>
glite-data-catalog-api-java	GLite Catalog Services Java client	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-7.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-7.noarch.rpm</a>
glite-data-catalog-api-perl	gLite datamanagement Perl API for catalogs	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-catalog-api-perl-2.0.0-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-catalog-api-perl-2.0.0-3.noarch.rpm</a>
glite-data-catalog-cli	Data Catalog CLI	1.7.2	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-catalog-cli-1.7.2-4.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-catalog-cli-1.7.2-4.i386.rpm</a>
glite-data-catalog-interface	gLite Catalog Interfaces	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-7.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-7.noarch.rpm</a>
glite-data-globus-rls-api-perl	Perl API for Globus RLS	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-globus-rls-api-perl-1.0.0-3.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-globus-rls-api-perl-1.0.0-3.i386.rpm</a>
glite-data-srm-api-c	gLite Data SRM C/C++ API	1.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.1.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.1.0-1.i386.rpm</a>
glite-data-srm-api-perl	Perl API for SRM	1.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-srm-api-perl-1.1.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-srm-api-perl-1.1.0-2.i386.rpm</a>
glite-data-util-c	Data C util libraries	1.2.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-util-c-1.2.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-data-util-c-1.2.0-1.i386.rpm</a>
glite-dgas-client-config	gLite dgas client node configuration files	1.1.3	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-dgas-client-config-1.1.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-dgas-client-config-1.1.3-1.noarch.rpm</a>
glite-essentials-cpp	Essential C/C++ libraries for gLite software	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm</a>
glite-file-transfer-service-client-config	gLite File Transfer Service client installation	1.2.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-file-transfer-service-client-config-1.2.0-2.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-file-transfer-service-client-config-1.2.0-2.noarch.rpm</a>
glite-io-client-config	gLite I/O Client configuration files	2.2.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-io-client-config-2.2.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-io-client-config-2.2.0-1.noarch.rpm</a>
glite-lb-client	L&B client API and tools	2.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-client-2.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-client-2.1.1-1.i386.rpm</a>

glite-lb-client-interface	L&B client library header files	2.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.1.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.1.0-1.i386.rpm</a>
glite-lb-common	L&B common subroutines library	3.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-common-3.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-common-3.0.1-1.i386.rpm</a>
glite-wn-config	gLite Worker Node installation	2.3.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-wn-config-2.3.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-wn-config-2.3.0-1.noarch.rpm</a>
glite-rgma-client-config	gLite R-GMA client installation	5.2.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-client-config-5.2.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-client-config-5.2.0-1.noarch.rpm</a>
glite-security-gsoap-plugin	gSOAP plugin and gss libraries	1.2.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.2.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.2.1-0.i386.rpm</a>
glite-security-util-java	The java utilities library for security	1.3.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-util-java-1.3.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-util-java-1.3.0-1.noarch.rpm</a>
glite-security-utils-config	gLite Security Utilities configuration files	1.2.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.2.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.2.1-1.noarch.rpm</a>
glite-security-voms-api		1.6.10	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-1.6.10-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-1.6.10-0.i386.rpm</a>
glite-security-voms-api-c		1.6.10	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.10-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.10-0.i386.rpm</a>
glite-security-voms-api-cpp		1.6.10	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-cpp-1.6.10-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-cpp-1.6.10-0.i386.rpm</a>
glite-security-voms-clients		1.6.10	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-clients-1.6.10-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-clients-1.6.10-0.i386.rpm</a>
glite-service-discovery-config	gLite Service Discovery installation	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.1-1.noarch.rpm</a>
glite-wms-brokerinfo-access	Brokerinfo access	1.5.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.5.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.5.0-1.i386.rpm</a>
glite-wms-checkpointing	WMS checkpointing module	1.5.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.5.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.5.0-1.i386.rpm</a>
glite-wms-common	"files for gLite wms common"	1.5.1	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-common-1.5.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-common-1.5.1-1.i386.rpm</a>
glite-wms-utils-exception		1.0.3	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.3-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.3-1.i386.rpm</a>
glite-wms-utils-jobid		1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.2-1.i386.rpm</a>
glite-wn-config	gLite Worker Node configuration files	2.3.0	<a href="http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-wn-config-2.3.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-wn-config-2.3.0-1.noarch.rpm</a>

## 4. DEPENDENCIES

The gLite Standard Worker Node v. 2.3.0 module has the following dependencies (please refer to the individual release notes for the dependencies of the clients using a dedicated module, such as the R-GMA Client or the LFC Client):

Component name	Description	Version	RPM file name
CGSI_gSOAP_2.6	GSI plugin for gSOAP	1.1.9	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.9-1.slc3.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.9-1.slc3.i386.rpm</a>
boost	Boost C++ libraries	1.32.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/boost-1.32.0-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/boost-1.32.0-1_EGEE.i386.rpm</a>
gpt	The Grid Packaging Toolkit (GPT)	VDT1.2.2rh9	<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>
gridsite	GridSite	1.1.15	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gridsite-1.1.15-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gridsite-1.1.15-1.i386.rpm</a>
perl-Authen-SASL	Interface to SASL	2.08	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Authen-SASL-2.08-1.1.el3.rf.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Authen-SASL-2.08-1.1.el3.rf.noarch.rpm</a>
perl-Digest-HMAC	Digest-HMAC Perl module	1.01	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Digest-HMAC-1.01-11.1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Digest-HMAC-1.01-11.1.noarch.rpm</a>

perl-Digest-SHA1	Digest-SHA1 Perl module	2.01	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Digest-SHA1-2.01-15.1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Digest-SHA1-2.01-15.1.i386.rpm</a>
perl-MIME-Lite	Simple standalone module for generating MIME messages	2.117	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-MIME-Lite-2.117-2.1.el3.rf.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-MIME-Lite-2.117-2.1.el3.rf.noarch.rpm</a>
perl-Net-Jabber	Jabber protocol interface	2.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Net-Jabber-2.0-1.1.el3.rf.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Net-Jabber-2.0-1.1.el3.rf.noarch.rpm</a>
perl-Net-XMPP	XMPP Perl Library	1.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Net-XMPP-1.0-1.1.el3.rf.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Net-XMPP-1.0-1.1.el3.rf.noarch.rpm</a>
perl-SOAP-Lite	Interface to SOAP	0.60a	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-SOAP-Lite-0.60a-1.1.el3.rf.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-SOAP-Lite-0.60a-1.1.el3.rf.noarch.rpm</a>
perl-XML-Stream	XML Stream connection support	1.22	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-XML-Stream-1.22-1.1.el3.rf.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-XML-Stream-1.22-1.1.el3.rf.noarch.rpm</a>
vd_t_globus_essentials	Virtual Data Toolkit	VDT1.2.2rh9	<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>

## 5. KNOWN BUGS AND ISSUES

This release has the following known bugs and issues. The lists refer to generic worker node issues. Additional information can be found on the individual release notes of the services and clients installed on the worker node (I/O Client, R-GMA Client and User Interface APIs and Clients, FTS client, DGAS client, Service Discovery APIs, LFC Client). Bug numbers refer to the gLite Bug Tracking system database hosted on the CERN Savannah system at <https://savannah.cern.ch/bugs/?group=jralmdw>.

- The WN pool accounts cannot be automatically discovered as done in the CE and WMS nodes. This functionality will be added in a future release
- SLC3 provides a custom boost RPM package that doesn't contain all the boost flavours and doesn't contain the standard versioned links to .so libraries. This RPM is not compatible at the moment with the WMS clients and APIs. In order to install the WN on SLC3 it is necessary to remove the SLC3 boost package and use the boost package distributed with gLite. If APT is used it is suggested to temporarily disable the slc3 source file in the APT source directory.
- 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. In addition, if several gLite modules are installed on the same node, the removal procedure may fail if there overlapping dependencies. This will be fixed in a future release. As a workaround all gLite RPMS can be removed with the following command:

```
rpm -e `rpm -qa | grep glite`
```

Known open bugs:

Bug number	Description
#9651	GLITE_SD_VO env var is not updated in the WN

Bugs fixed in this or previous releases, but not yet tested:

Bug number	Description
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#7911	environment on the WN (X509_USER_PROXY)	
#9209	WN: installation by apt-get fails	
#9420	worker node pool account creation cannot be turned off	
#9421	config script gives ambiguous error	
#10043	glite-wn-config: torque client configuration failed	
#12048	WN: custom.environment does not take values with blanks correctly	

## 6. BUGS CLOSED SINCE LAST RELEASE

This release fixes the following bugs and issues. Additional information can be found on the individual release notes of the Worker Node services and clients. 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	
#7915	glite-wn_installer.sh: line 63: -n: command not found	
#7931	glite-catalogue does not from a WN	
#9810	Using old config setup for WN gives wierd error: `/opt/glite/etc/config/scripts/g-config.py script cannot be found`	
#10843	WN:feature to configure "custom" environment variables	
#11403	In the 1.4 release documentation the Worker Node module is missing	
#13898	WN: Syntax error in csh setenv script	