

## GLITE WORKER NODE

### 1. RELEASE DESCRIPTION

This release contains the gLite Worker Node module v. 2.2.1. 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 the DGAS Client (it doesn't require any functionality just the RPMS)
- The File Placement Service Client has been removed, its functionality being now incorporated in the File Transfer Service Client
- Updated various configuration parameters to current values of service type in file-based service discovery
- Added a mechanism to define custom environment variables into the standard glite\_setenv.sh file
- Added a protection mechanism to avoid loading the glite\_setenv.sh file multiple times and redefining GLITE\_LOCATION if it's already defined

#### 2.2. CHANGES IN CONFIGURATION

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

Parameter name	Default value	Description
custom.environment	<empty>	The entries specified in this array parameter are added to the glite environment file as additional export or setenv statements. The format of each entry must be key[space]value [Example: MY_EXTRA_OPTION newvalue] [Type: 'string']

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

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

Parameter name	Comment
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A file-based service discovery instance template for the SE Index service has been added to the gLite WN configuration file template. The instance has to be used if file-based service discovery is required, otherwise it can be removed if R-GMA or BD-II service discovery is used.

## 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
- WMPProxy Client, VOMS clients and APIs

The sub-modules are automatically installed with the WN module unless differently specified. 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. 2.2.1 is composed of the following gLite components:

Component name	Description	Version	File
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-data-api-perl	GLite::HTTPS	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-api-perl-1.1.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/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/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-catalog-api-c-2.0.0-3.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-catalog-api-c-2.0.0-3.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/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-6.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-6.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/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-catalog-api-perl-2.0.0-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-catalog-api-perl-2.0.0-3.noarch.rpm</a>
glite-data-catalog-cli	Data Catalog CLI	1.7.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-catalog-cli-1.7.1-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-catalog-cli-1.7.1-2.i386.rpm</a>
glite-data-catalog-interface	gLite Catalog Interfaces	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-6.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-6.noarch.rpm</a>
glite-data-config-service	GLite Data Config Service	1.2.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-config-service-1.2.2-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-config-service-1.2.2-2.i386.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/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-globus-rls-api-perl-1.0.0-3.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-globus-rls-api-perl-1.0.0-3.i386.rpm</a>
glite-data-io-base	GLite Data IO Base	1.3.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.2-1.i386.rpm</a>
glite-data-io-client	GLite Data IO Client APIs	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-client-1.4.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-client-1.4.0-2.i386.rpm</a>
glite-data-io-gss-auth	GLite Data IO GSS Authentication QUANTA Plugin	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm</a>
glite-data-io-quanta	GLite Data IO Quanta Transport Layer	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.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/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.1.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/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	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-srm-api-perl-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-srm-api-perl-1.0.0-1.i386.rpm</a>



# Release Notes

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glite-data-transfer-api-c	GLite Data Transfer C/C++ API	3.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-transfer-api-c-3.1.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-transfer-api-c-3.1.0-1.i386.rpm</a>
glite-data-transfer-cli	Data Transfer CLI	3.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-transfer-cli-3.1.0-3.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-transfer-cli-3.1.0-3.i386.rpm</a>
glite-data-transfer-interface	gLite Transfer Interfaces	3.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-3.1.0-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-3.1.0-3.noarch.rpm</a>
glite-data-util-c	Data C util libraries	1.1.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-util-c-1.1.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-util-c-1.1.4-1.i386.rpm</a>
glite-dgas-client-config	gLite dgas client node configuration files	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-dgas-client-config-1.0.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-dgas-client-config-1.0.1-1.noarch.rpm</a>
glite-dgas-common	DGAS common	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-common-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-common-1.1.1-1.i386.rpm</a>
glite-dgas-hlr-clients	DGAS HLR clients	1.1.11	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-hlr-clients-1.1.11-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-hlr-clients-1.1.11-1.i386.rpm</a>
glite-file-transfer-service-client-config	gLite File Transfer Service client installation	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-file-transfer-service-client-config-1.1.2-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-file-transfer-service-client-config-1.1.2-1.noarch.rpm</a>
glite-io-client-config	gLite I/O Client configuration files	2.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-io-client-config-2.1.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-io-client-config-2.1.1-1.noarch.rpm</a>
glite-lb-client	L&B client API and tools	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-2.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-2.0.1-1.i386.rpm</a>
glite-lb-client-interface	L&B client library header files	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.0.0-1.i386.rpm</a>
glite-lb-common	L&B common subroutines library	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-common-2.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-common-2.0.1-1.i386.rpm</a>
glite-rgma-api-c	C API for R-GMA	4.1.13	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.13-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.13-1.i386.rpm</a>
glite-rgma-api-cpp	C++ API for R-GMA	4.1.15	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.15-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.15-1.i386.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-api-python	Python API for R-GMA	4.1.15	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-python-4.1.15-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-python-4.1.15-1.i386.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-client-config	gLite R-GMA client installation	5.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-client-config-5.1.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-client-config-5.1.1-1.noarch.rpm</a>
glite-rgma-command-line	R-GMA command line	4.1.13	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-command-line-4.1.13-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-command-line-4.1.13-1.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-log4cpp	log4cpp appender for R-GMA	4.1.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-log4cpp-4.1.4-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-log4cpp-4.1.4-0.i386.rpm</a>
glite-rgma-log4j	R-GMA log4j tool	4.1.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-log4j-4.1.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-log4j-4.1.5-1.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-rgma-system-tests	System tests for R-GMA	4.1.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-system-tests-4.1.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-system-tests-4.1.8-1.i386.rpm</a>
glite-security-gsoap-plugin	gSOAP plugin and gss libraries	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.1.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.1.1-0.i386.rpm</a>
glite-security-trustmanager	The java certificate path checkin for proxy certs in SSL with	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>



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	plugins for tomcat and axis.		
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-security-voms-api		1.6.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-1.6.5-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-1.6.5-0.i386.rpm</a>
glite-security-voms-api-c		1.6.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.5-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.5-0.i386.rpm</a>
glite-security-voms-api-cpp		1.6.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-cpp-1.6.5-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-cpp-1.6.5-0.i386.rpm</a>
glite-security-voms-clients		1.6.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-clients-1.6.5-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-clients-1.6.5-0.i386.rpm</a>
glite-service-discovery-api-c	C API for Service Discovery.	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-api-c-2.0.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-api-c-2.0.1-0.i386.rpm</a>
glite-service-discovery-api-java		2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-api-java-2.0.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-api-java-2.0.1-1.noarch.rpm</a>
glite-service-discovery-bdii-c	BDII based Service Discovery	2.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-bdii-c-2.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-bdii-c-2.0.2-1.i386.rpm</a>
glite-service-discovery-cli	Service Discovery CLI	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-cli-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-cli-2.0.0-1.i386.rpm</a>
glite-service-discovery-config	gLite Service Discovery installation	1.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.0-1.noarch.rpm</a>
glite-service-discovery-file-c	File based Service Discovery	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-file-c-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-file-c-2.0.0-1.i386.rpm</a>
glite-service-discovery-rgma-c	C API for Service Discovery.	2.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-rgma-c-2.0.2-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-rgma-c-2.0.2-0.i386.rpm</a>
glite-service-discovery-rgma-java		2.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-rgma-java-2.0.2-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-rgma-java-2.0.2-1.noarch.rpm</a>
glite-wms-brokerinfo-access	"files for gLite wms brokerinfo-access"	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.1.1-1.i386.rpm</a>
glite-wms-checkpointing	WMS checkpointing module	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.0.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.0.0-2.i386.rpm</a>
glite-wms-common	"files for gLite wms common"	1.1.11	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-common-1.1.11-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-common-1.1.11-1.i386.rpm</a>
glite-wms-utils-exception		1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm</a>
glite-wms-utils-jobid		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm</a>
glite-wms-utils-tls		1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm</a>
glite-wn-config	gLite Worker Node configuration files	2.2.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-wn-config-2.2.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-wn-config-2.2.1-1.noarch.rpm</a>

## 4. DEPENDENCIES

The gLite Standard Worker Node v. 2.1.0 module has the following dependencies:

Component name	Version	RPM file name
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_e">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_e</a>

		<a href="#">ssentials-VDT1.2.2rh9-1.i386.rpm</a>
CGSI_gSOAP_2.6	1.1.8	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.8-2.slc3.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.8-2.slc3.i386.rpm</a>
perl-Expect.pm	1.01	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm</a>
perl-Authen-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	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-MIME-Lite	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	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	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	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	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>

## 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). 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
- 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 no updated in the WN

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

Bug number	Description
#7911	environment on the WN (X509_USER_PROXY)
#7931	glite-catalogue does not from a WN

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#9209	WN: installation by apt-get fails	
#10266	glite-env.sh bootstrap protection	
#10843	WN:feature to configure "custom" environment variables	

## 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	
#6775	/etc/profile.d/glite-dirty-hack-env.[c]sh scripts on the WNs should be removed	
#7015	we should foresee a minimal, bare WN deployment module	
#9810	Using old config setup for WN gives wierd error: `/opt/glite/etc/config/scripts/g-config.py script cannot be found`	
#9969	Java and Perl FTS APIs not installed in WN	
#10193	data.services still in WN chapter	
#10260	glite-wn-config.py --help expects a valid url before giving any hint on the use itself	