

GLITE WORKER NODE

1. RELEASE DESCRIPTION

This release contains the gLite Worker Node module v. 2.1.0. 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

This release introduces the following changes:

- The FPS client has been added to the list of installed clients
- Bug fixes (see below for the complete list)

3. RELEASE CONTENTS

The gLite Worker Node v. 2.1.0 is composed of the following gLite components:

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.2.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-config-1.2.2-1.noarch.rpm
org.glite.data-api.perl	GLite::HTTPS	1.1.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-api-perl-1.1.1-1.noarch.rpm
org.glite.data-catalog-api.c	gLite Data Catalogs C/C++ API	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-catalog-api-c-2.0.0-2.i386.rpm
org.glite.data-catalog-api.java	GLite Catalog Services Java client	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-6.noarch.rpm
org.glite.data-catalog-api.perl	gLite datamanagement Perl API for catalogs	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-catalog-api-perl-2.0.0-2.noarch.rpm
org.glite.data-catalog.cli	Data Catalog CLI	1.7.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-catalog-cli-1.7.0-2.i386.rpm
org.glite.data-catalog.interface	gLite Catalog Interfaces	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-6.noarch.rpm
org.glite.data-config.service	GLite Data Config Service	1.1.9	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-config-service-1.1.9-1.i386.rpm
org.glite.data-globus-rls-api.perl	Perl API for Globus RLS	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-globus-rls-api-perl-1.0.0-3.i386.rpm
org.glite.data-io.base	GLite Data IO Base	1.3.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.2-1.i386.rpm
org.glite.data-io.client	GLite Data IO Client APIs	1.3.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-io-client-1.3.2-1.i386.rpm
org.glite.data-io-gss.auth	GLite Data IO GSS Authentication QUANTA Plugin	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data-io.quanta	GLite Data IO Quanta Transport Layer	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data-srm-api.c	gLite Data SRM C/C++ API	1.1.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.1.0-1.i386.rpm
org.glite.data-srm-api.perl	Perl API for SRM	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-srm-api-perl-1.0.0-1.i386.rpm



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org.glite.data-transfer-api.c	GLite Data Transfer C/C++ API	3.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-transfer-api-c-3.0.0-2.i386.rpm
org.glite.data-transfer.cli	Data Transfer CLI	3.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-transfer-cli-3.0.0-1.i386.rpm
org.glite.data-transfer.interface	gLite Transfer Interfaces	3.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-3.0.0-3.noarch.rpm
org.glite.data-util.c	Data C util libraries	1.1.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-util-c-1.1.2-1.i386.rpm
org.glite.io-client.config	gLite I/O Client configuration files	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-io-client-config-2.0.0-1.noarch.rpm
org.glite.file-transfer-service-client.config	gLite File Transfer Service client installation	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-file-transfer-service-client-config-1.0.0-0.noarch.rpm
org.glite.file-placement-service-client.config	gLite File Placement Service client installation	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-file-placement-service-client-config-1.0.0-0.noarch.rpm
org.glite.lb.client	L&B client API and tools	1.0.5	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/i386/RPMS/glite-lb-client-1.0.5-1.i386.rpm
org.glite.lb-client.interface	L&B client library header files	1.0.3	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.3-1.i386.rpm
org.glite.lb.common	L&B common subroutines library	1.1.6	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-lb-common-1.1.6-1.i386.rpm
org.glite.rgma-api-c	C API for R.GMA	4.1.12	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.12-1.i386.rpm
org.glite.rgma-api-cpp	C++ API for R.GMA	4.1.14	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.14-1.i386.rpm
org.glite.rgma-api-java	Java API for R.GMA	4.1.5	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm
org.glite.rgma-api-python	Python API for R.GMA	4.1.14	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-python-4.1.14-1.i386.rpm
org.glite.rgma-base	R.GMA basic configuration and documentation	4.1.19	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm
org.glite.rgma-client-config	gLite R.GMA client installation	5.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-client-config-5.0.0-1.noarch.rpm
org.glite.rgma-command-line	R.GMA command line	4.1.13	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-command-line-4.1.13-1.noarch.rpm
org.glite.rgma-common.config	gLite rgma common configuration items installation	5.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm
org.glite.rgma-stubs-servlet-java	Java client implementation stubs for R.GMA	4.1.12	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.12-1.noarch.rpm
org.glite.rgma-system-tests	System tests for R.GMA	4.1.8	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-system-tests-4.1.8-1.i386.rpm
org.glite.security.trustmanager	The java certificate path checkin for proxy certs in SSL with plugins for tomcat and axis.	1.7.3	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm
org.glite.security-util.java	The java utilities library for security	1.1.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm
org.glite.security-utils.config	gLite Security Utilities configuration files	1.0.3	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.3-1.noarch.rpm
org.glite.security-voms.api		1.5.9	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-api-1.5.9-0.i386.rpm
org.glite.security-voms-api.c		1.5.9	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.5.9-0.i386.rpm



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			30/i386/RPMS/glite-security-voms-api-c-1.5.9-2.i386.rpm
org.glite.security-voms-api.cpp		1.5.9	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-api-cpp-1.5.9-0.i386.rpm
org.glite.security-voms.clients		1.5.9	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-clients-1.5.9-0.i386.rpm
org.glite.service-discovery-api.c	C API for Service Discovery.	2.0.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-api-c-2.0.1-0.i386.rpm
org.glite.service-discovery-api.java	Java API for Service Discovery.	2.0.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-service-discovery-api-java-2.0.1-1.noarch.rpm
org.glite.service-discovery-bdii.c	BDII based Service Discovery	2.0.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-bdii-c-2.0.2-1.i386.rpm
org.glite.service-discovery.cli	Service Discovery CLI	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-cli-2.0.0-1.i386.rpm
org.glite.service-discovery.config	gLite Service Discovery installation	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.0.0-1.noarch.rpm
org.glite.service-discovery-file.c	File based Service Discovery	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-file-c-2.0.0-1.i386.rpm
org.glite.service-discovery-rgma.c	C API for Service Discovery.	2.0.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-rgma-c-2.0.1-0.i386.rpm
org.glite.service-discovery-rgma.java		2.0.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-service-discovery-rgma-java-2.0.1-1.noarch.rpm
org.glite.wms-brokerinfo.access	Brokerinfo access	1.1.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.1.1-1.i386.rpm
org.glite.wms.checkpointing	WMS checkpointing module	1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-wms-checkpointing-1.0.0-1.i386.rpm
org.glite.wms.common		1.1.8	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-wms-common-1.1.8-1.i386.rpm
org.glite.wms-utils.exception		1.0.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm
org.glite.wms-utils.jobid		1.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm
org.glite.wn.config	gLite Worker Node configuration files	2.1.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-wn-config-2.1.0-1.noarch.rpm

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	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm
VDT Globus Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm
CGSI_gSOAP_2.6	1.1.8	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.8-2.sl3.i386.rpm
perl-Expect.pm	1.01	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm
perl-Authen-SASL	2.08	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Authen-SASL-2.08-1.1.el3.rf.noarch.rpm
perl-Digest-HMAC	1.01	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Digest-HMAC-1.01-11.1.noarch.rpm
perl-MIME-Lite	2.117	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-MIME-Lite-2.117-2.1.el3.rf.noarch.rpm



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perl-Net-Jabber	2.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Net-Jabber-2.0-1.1.el3.rf.noarch.rpm
perl-Net-XMPP	1.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Net-XMPP-1.0-1.1.el3.rf.noarch.rpm
perl-SOAP-Lite	0.60a	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-SOAP-Lite-0.60a-1.1.el3.rf.noarch.rpm
perl-XML-Stream	1.22	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-XML-Stream-1.22-1.1.el3.rf.noarch.rpm

5. KNOWN BUGS AND ISSUES

This release has the following known bugs and issues. Additional information can be found on the individual release notes of the Worker Node services and clients (I/O Client, R-GMA Client and User Interface APIs and Clients, FTS and FPSclients, 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	
#8417	Man Pages for command lines	
#8719	glite-seindex-list hangs for ever	
#8769	Fireman Oracle: Cannot create symlinks	
#9033	Catalog CLI: it is not possible to submit bulk create requests	
#9209	WN: installation by apt-get fails	
#9243	glite put/get fails while putting files bigger than 2 Gb.	
#9420	worker node pool account creation cannot be turned off	
#9578	Data modules use incorrect service types	
#9651	GLITE_SD_VO env var is no updated in the WN	
#9676	Different behaviour with empty /etc/grid-security/vomsdir	

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

Bug number	Description	

#8416	glite-catalog-find returns all entries	
#8795	FTS: any glite-transfer-channel-set command sets the channel Active	
#8913	FTS: channel-set CLI should shoud allow Halted, Drain and Stopped	
#9036	FTS: the version reported by the CLI from the webservice is incorrect	
#9191	FTS: CLI tools need timeouts	
#9237	FTS: glite-transfer-list should have -a option	
#9398	FTS: mysterious failure on PUT when it apparently completed OK	
#9594	Data Transfer CLIs always expect the service type to be FileTransfer	

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	
#7294	glite-wn-config.py (glite-rgma-client-config.py) crashes with NameError	
#8711	FTS: CLI status cannot parse Waiting or Hold states	