

GLITE I/O CLIENT

1. RELEASE DESCRIPTION

This release contains the gLite I/O Client module v. 2.1.1. 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 I/O Client, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

2.1. CHANGES IN FUNCTIONALITY

As of this release the gLite I/O Client uses the Service Discovery tools to find I/O Server information and does not require anymore many of the previous configuration parameters.

2.2. CHANGES IN CONFIGURATION

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

Parameter name	Default value	Description
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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
io-client.Server	Not used anymore, use service discovery instead
io-client.EncryptName	Not used anymore, use service discovery instead
io-client.EncryptData	Not used anymore, use service discovery instead
log.Priority	Not used anymore, use service discovery instead
io-client.CacheLevel	Not used anymore, use service discovery instead
io-client.NumberOfStreams	Not used anymore, use service discovery instead

A file-based service discovery instance template has been added to the gLite I/O Client 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 Client module requires the following sub-modules:



Release Notes

Doc. Identifier:
release_notes.doc

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- gLite Security Utilities
- gLite Service Discovery
- gLite R-GMA Client (to be installed manually if R-GMA service discovery is used)

The sub-modules are automatically installed with the I/O Client 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 I/O Client v. 2.1.1 is composed of the following gLite components:

Component name		Version	File
glite-config	gLite configuration scripts	1.4.5	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm
glite-data-config-service	GLite Data Config Service	1.2.2	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-config-service-1.2.2-2.i386.rpm
glite-data-io-base	GLite Data IO Base	1.3.2	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.2-1.i386.rpm
glite-data-io-client	GLite Data IO Client APIs	1.4.0	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-client-1.4.0-2.i386.rpm
glite-data-io-gss-auth	GLite Data IO GSS Authentication QUANTA Plugin	1.0.0	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
glite-data-io-quanta	GLite Data IO Quanta Transport Layer	1.0.0	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm
glite-data-util-c	Data C util libraries	1.1.4	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-data-util-c-1.1.4-1.i386.rpm
glite-io-client-config	gLite I/O Client configuration files	2.1.0	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-io-client-config-2.1.0-1.noarch.rpm
glite-rgma-api-c	C API for R-GMA	4.1.13	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.13-1.i386.rpm
glite-rgma-api-cpp	C++ API for R-GMA	4.1.15	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.15-1.i386.rpm
glite-rgma-api-java	Java API for R-GMA	4.1.5	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm
glite-rgma-base	R-GMA basic configuration and documentation	4.1.19	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm
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/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm
glite-security-util-java	The java utilities library for security	1.1.2	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm
glite-security-utils-config	gLite Security Utilities configuration files	1.0.6	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.6-1.noarch.rpm
glite-security-voms-api-c		1.6.5	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
glite-service-discovery-api-c	C API for Service Discovery.	2.0.1	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

glite-service-discovery-api-java		2.0.1	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
glite-service-discovery-bdii-c	BDII based Service Discovery	2.0.2	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
glite-service-discovery-cli	Service Discovery CLI	2.0.0	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-cli-2.0.0-1.i386.rpm
glite-service-discovery-config	gLite Service Discovery installation	1.1.0	http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.0-1.noarch.rpm
glite-service-discovery-file-c	File based Service Discovery	2.0.0	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
glite-service-discovery-rgma-c	C API for Service Discovery.	2.0.2	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
glite-service-discovery-rgma-java		2.0.2	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

4. DEPENDENCIES

The gLite I/O Client module v. 2.1.1 has the following dependencies:

Component name	Version	RPM file name
gLite Essentials for C/C++	1.1.1	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm
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
GPT	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm

5. KNOWN 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=jralmdw> .

- glite put/get fails while putting files bigger than 2 Gb. This is due to the CLI failing to read the local file if large file flag are not specified at build time. The problem is being worked on.
- 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.

Known open bugs:

Bug number	Description	
#7765	gLite I/O Improve glite-io-client error reporting	
#10045	glite-io-client-config does not accept --subservice argument	
#10764	io-clients: service URL parsing needs improvement, just like service details parsing	

The following bugs have been fixed in this or previous releases, but they have not been tested yet:

Bug number	Description	
#10951	The IO client does not use the RGMA service discover mechanism	

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=jralmdw>

Bug number	Description	
#6801	can't do glite-get on a symlink	
#7207	io-client deployment module does not support multiple VOs or both volatile and non volatile SEs	
#7439	io-client-config.py: bad substitution, wrong template	
#9593	glite-io-client config	