

GLITE I/O CLIENT

1. RELEASE DESCRIPTION

This release contains the gLite I/O Client module v. 1.3.1. 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

This release introduces only bug fixes, please refer to the complete list later in this notes.

3. RELEASE CONTENTS

The gLite I/O Client v. 1.3.1 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.io-client	1.3.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/installers/glite-io-client_installer.sh http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-io-client-config-1.3.1-1.noarch.rpm
org.glite.deployment.config	1.1.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-config-1.1.1-3.noarch.rpm
org.glite.data.config-service	1.1.6	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-config-service-1.1.4-1.i386.rpm
org.glite.data.io-base	1.3.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/_glite-data-io-base-1.3.1-1.i386.rpm
org.glite.data.io-quanta	1.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/_glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data.io-gss-auth	1.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/_glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data.io-client	1.3.2	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-client-1.3.2-1.i386.rpm

4. DEPENDENCIES

The gLite I/O Client module v. 1.3.1 has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	1.0.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/installers/glite-security-utils_installer.sh http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.1-1.noarch.rpm
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> .

- 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
#5079	Increase io-quanta timeout
#7765	Improve glite-io-client error reporting
#7812	gLite I/O occasionally fail

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

Bug number	Description
#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
#7538	gLite I/O doc does not explain how to link

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
#6681	unclear error message in glite-put
#6756	Unclear error message of glite_put
#7065	glite-put creates a zero size entry even if it fails
#7405	The WN installation script fails with a glite-io-client failed dependency
#8023	glite-get command fails!
#8080	glite-put doesn't complain about unexisting proxy
#8299	glite-wn-config.py did not create configuration files for glite IO client on WNs
#8326	glite-get failure

7. PREVIOUS RELEASES

7.1. RELEASE 1.3.0

7.1.1. Release Description

This release contains the gLite I/O Client module v. 1.3.0. 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.

7.1.2. Changes in this release

This release introduces the following changes:

- glite_* utilities have been renamed to glite-* to comply with gLite naming conventions. Backward compatibility is preserved using simlinks
- The module can now be installed as non-privileged user for installation as part of the gLite UI or the gLite WN. Non-root installation can only be done using the module installer script, since it is based on RPMS and require a number of installation steps to be performed
- Various bug fixes (see complete list below)

7.1.3. Release contents

The gLite I/O Client v. 1.3.0 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.io-client	1.3.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-io-client_installer.sh http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-io-client-config-1.3.0-1.noarch.rpm
org.glite.deployment.config	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-config-0.7.4-1.noarch.rpm
org.glite.data.config-service	1.1.6	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-config-service-1.1.4-1.i386.rpm
org.glite.data.io-base	1.3.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.1-1.i386.rpm
org.glite.data.io-quanta	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data.io-gss-auth	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data.io-client	1.3.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-client-1.3.2-1.i386.rpm

7.1.4. Dependencies

The gLite I/O Client module v. 1.3.0 has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh

		http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.0-1.noarch.rpm
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

7.1.5. 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>.

- 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	
#5079	io-quanta returns "Timeout in Read" trying to create a file of 999999999 bytes size.	

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

Bug number	Description	
#6038	glite-io-client-config doc error	
#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	

7.1.6. 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
#5105	Missing delete file functionality in the io-client interface
#5541	Failed to put/get files via gliteIO and the test applications installed with gliteI/O client
#6038	glite-io-client-config doc error
#7079	glite-put: Wrong (?) error message when specifying a configuration
#7102	Cannot remove the file failed on putting
#7486	glite_rm core dumps

7.2. RELEASE 1.0.0

7.2.1. Release Description

This release contains the gLite I/O Client module v. 1.0.0. 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.

7.2.2. Changes in this release

There are no functional changes in this release. The release contains a number of bug fixes and in particular sets correctly the Globus environment variables required to use Globus.

7.2.3. Release contents

The gLite I/O Client v. 1.0.0 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.io-client	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-io-client_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-io-client-config-1.0.0-1.noarch.rpm
org.glite.deployment.config	0.7.4	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-config-0.7.4-1.noarch.rpm
org.glite.data.config-service	1.1.4	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-config-service-1.1.4-1.i386.rpm
org.glite.data.io-base	1.3.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.0-1.i386.rpm
org.glite.data.io-quanta	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data.io-gss-auth	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data.io-client	1.3.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-client-1.3.2-1.i386.rpm

7.2.4. Dependencies

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

Component name	Version	RPM file name
gLite Security Utilities	0.6.1	http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-security-utils_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-security-utils-config-0.6.1-1.noarch.rpm
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

7.2.5. 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>.

- 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	
#5079	io-quanta returns "Timeout in Read" trying to create a file of 999999999 bytes size.	
#5581	Cannot remove files from the catalog	
#6681	unclear error message in glite-put	
#6731	if inserting a file into the root directory, two slashes are used for the filename instead of one	
#6756	Unclear error message of glite_put	
#6801	can't do glite-get on a symlink	
#6835	There is no test suite for the I/O Client in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6836	There are no test reports provided for the I/O Client in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6862	Incorrect date when creating a directory	
#6876	Cannot remove remote file	
#6951	Multiple clients cannot create multiple directories	
#7063	Unable to create directory in /tmp (Oracle catalog)	
#7065	glite-put creates a zero size entry even if it fails	
#7068	I cannot use glite_put specifying an lfn of 800 characters	
#7079	glite-put: Wrong (?) error message when specifying a configuration	
#7102	Cannot remove the file failed on putting	

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

Bug number	Description	
#5037	Cannot retrieve file newly added to the catalog (on lxb1432.cern.ch)	
#5105	Missing delete file functionality in the io-client interface	

#5541	Failed to put/get files via gliteIO and the test applications installed with gliteI/O client	
#6038	glite-io-client-config doc error	

7.2.6. 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
#6881	Cannot get remote file back
#6759	Why LFN requires one slash more ????