

GLITE DATA MANAGEMENT FILE TRANSFER SERVICE CLIENT

1. RELEASE DESCRIPTION

This release contains the gLite File Transfer Service Client module v. 1.2.0. 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 File Transfer Service Client, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

2.1. CHANGES IN FUNCTIONALITY

The main changes in this release are:

- Print IP address of remote host in the logs
- Service Discovery service type shall be 'SRM', according to

<http://infnoforge.cnaf.infn.it/glueinfomodel/index.php/V12/ServiceType>

2.2. CHANGES IN CONFIGURATION

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

The gLite Data Management File Transfer Service Client v. 1.2.0 is composed of the following gLite components:

Component name	Description	Version	File
gLite-config	gLite configuration scripts	1.6.20	http://gLite.web.cern.ch/gLite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/gLite-config-1.6.20-2.noarch.rpm
gLite-data-srm-api-c	gLite Data SRM C/C++ API	1.1.0	http://gLite.web.cern.ch/gLite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/gLite-data-srm-api-c-1.1.0-1.noarch.rpm
gLite-data-srm-cli	Data SRM CLI	1.2.3	http://gLite.web.cern.ch/gLite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/gLite-data-srm-cli-1.2.3-1.noarch.rpm
gLite-data-transfer-api-c	GLite Data Transfer C/C++ API	3.1.0	http://gLite.web.cern.ch/gLite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/gLite-data-transfer-api-c-3.1.0-1.noarch.rpm
gLite-data-transfer-cli	Data Transfer CLI	3.1.2	http://gLite.web.cern.ch/gLite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/gLite-data-transfer-cli-3.1.2-5.noarch.rpm



Release Notes

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glite-data-transfer-interface	gLite Transfer Interfaces	3.1.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-3.1.0-3.noarch.rpm
glite-data-transfer-url-copy	gLite Data Transfer URL Copy	1.5.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-transfer-url-copy-1.5.0-1.noarch.rpm
glite-data-util-c	Data C util libraries	1.2.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-data-util-c-1.2.0-1.noarch.rpm
glite-security-utils-config	gLite Security Utilities configuration files	1.2.2	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.2.2-1.noarch.rpm
glite-security-voms-api-c		1.6.10	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-voms-api-c-1.6.10-0.noarch.rpm
glite-service-discovery-config	gLite Service Discovery installation	1.1.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.1-1.noarch.rpm
glite-file-transfer-service-client-config	gLite File Transfer Service Client installation	1.2.0	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

4. DEPENDENCIES

The gLite File Transfer Service Client module v. 1.2.0 has the following dependencies:

Component name	Description	Version	File
CGSI_gSOAP_2.6	GSI plugin for gSOAP	1.1.9	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.9-1.slc3.noarch.rpm
gridsite	GridSite	1.1.15	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gridsite-1.1.15-1.noarch.rpm

5. KNOWN BUGS AND ISSUES

This release has the following 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=jra1mdw>.

- The gLite I/O and gLite FTS security models conflict. This is being discussed in several coordination bodies. A proposal to harmonize them has been already produced and circulated as part of the updated gLite Architecture document
- 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	
#8345	gLite I/O and gLite FTS security models conflict	
#9165	FTS: WEB UI does not show all possible file states	
#10304	FTS: methods for service stats do not properly process time intervals	
#10812	FTS: transfer-list should return all authorized transfers	
#12447	1.4 File Transfer Client documentation is incomplete	

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

Bug number	Description
#8588	FTS: CLI transfer-submit option -g produces Out of memory.
#8913	FTS: channel-set CLI should should allow Halted, Drain and Stopped
#9191	FTS: CLI tools need timeouts
#9812	FTS: perl APIs should work
#9821	FTS: Client code libraries should not expose FilePlacement or TransferFetcher interface
#10510	FTS: glite-transfer-list returns the same job id status multiple times
#10834	FTS: copy client doesn not handle problems during error recovery
#11472	FTS: transfer-cli man pages do not build - missing xml files
#12469	FTS: sometimes the client gets an error that says 'success'
#12747	FTS CLI: glite-transfer-stats-* should use correct month formats

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
#8795	FTS: any glite-transfer-channel-set command sets the channel Active
#9121	FTS client installation
#9166	FTS: No simple way to list all requestID's in a state
#9203	FTS: Would be useful to have a view of ongoing transfers
#9241	FTS: Put request ID from SRM into log
#9499	FTS - Client ignores invalid host certificate.
#9943	FTS: clients report "Missing SD plugin" if any plugin fails
#9952	FTS: submit client should ask for MyProxy password twice
#10200	FTS: dropping of a channel with jobs should not give internal server error
#10201	FTS: glite-transfer-channel-add usage needs to be updated
#10209	FTS: client should catch SOAP exception if service is down
#10236	FTS: getroles CLI segfaults
#10279	FTS: glite-transfer-submit produce out of memory if the job description file is empty
#10280	FTS: glite-transfer-submit does not detect absence of destination SURL
#10320	FTS: client specifies the number of retries
#10436	FTS: errors in FTS CLI not signalled as such