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## GLITE DATA MANAGEMENT FILE TRANSFER CLIENT (ORACLE)

### 1. RELEASE DESCRIPTION

This release contains the gLite Data Management File Transfer Client for Oracle module v. 1.0.0. 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. For information about installing and using the gLite Data Management File Transfer Client, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

The main changes in this release are:

- Changes in the CLI:
  - Update to cancel bulk operation
  - Catch up with interface 3.0.0: new command line tools
    - - glite-transfer-addvomanager
    - - glite-transfer-getroles
    - - glite-transfer-listvomanagers
    - - glite-transfer-removevomanager
    - - glite-transfer-channel-addmanager
    - - glite-transfer-channel-listmanagers
    - - glite-transfer-channel-removevomanager
    - - glite-transfer-channel-setvoshare
    - - glite-transfer-setpriority
- Sync with transfer interface 3.0.0
  - Added Channel and VO Management methods
  - Added vo shares into the Channel object
  - Added getRoles method - returns the roles the client has on the Service
  - Added the VOName on the JobStatus object
  - Renamed domainA and domainB to sourceSite and destSite on Channel object
  - Renamed numFailures to numRetries on FileTransferStatus object
  - Added numCanceling, numHold, numWaiting and numCatalogFailed to TransferJobSummary object
  - Renamed numCancelled to numCanceled on TransferJobSummary object
  - Added priority on JobStatus object
  - Cancel operation is now bulk
  - Renamed submit to placementSubmit in FilePlacement interface
  - Updated documentation - reflecting new authorization
- Bug fixes



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## 3. RELEASE CONTENTS

The gLite Data Management File Transfer Client v. 1.0.0 is composed of the following gLite components:

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.2.2	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-config-1.2.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-config-1.2.1-1.noarch.rpm</a>
org.glite.data-transfer-api.c	GLite Data Transfer C/C++ API	3.0.0	<a href="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">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</a>
org.glite.data-transfer.cli	Data Transfer CLI	3.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-transfer-cli-3.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-transfer-cli-3.0.0-1.i386.rpm</a>
org.glite.data-transfer.interface	gLite Transfer Interfaces	3.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-3.0.0-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-3.0.0-3.noarch.rpm</a>
org.glite.data-util.c	Data C util libraries	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-util-c-1.1.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-data-util-c-1.1.2-1.i386.rpm</a>
org.glite.file-transfer-service-client.config	@build.package.summary@	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-file-transfer-service-oracle-config-2.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-file-transfer-service-oracle-config-2.1.0-1.noarch.rpm</a>
org.glite.rgma-api-java	Java API for R.GMA	4.1.5	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm</a>
org.glite.rgma-api-c	C API for R.GMA	4.1.12	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.12-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.12-1.i386.rpm</a>
org.glite.rgma-api-cpp	C++ API for R.GMA	4.1.14	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.14-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.14-1.i386.rpm</a>
org.glite.rgma-base	R.GMA basic configuration and documentation	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm</a>
org.glite.security.trustmanager	The java certificate path checkin for proxy certs in SSL with plugins for tomcat and axis.	1.7.3	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm</a>
org.glite.security-util.java	The java utilities library for security	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm</a>
org.glite.security-utils.config	gLite Security Utilities configuration files	1.0.3	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.3-1.noarch.rpm</a>
org.glite.security-voms-api.c		1.5.9	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.5.9-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.5.9-2.i386.rpm</a>
org.glite.service-discovery-api.c	C API for Service Discovery.	2.0.1	<a href="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">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</a>
org.glite.service-discovery-api.java	Java API for Service Discovery	2.0.1	<a href="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">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</a>
org.glite.service-discovery-bdii		2.0.2	<a href="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">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</a>
org.glite.service-discovery-cli		2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-cli-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-service-discovery-cli-2.0.0-1.i386.rpm</a>



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org.glite.service-discovery-config	gLite service discovery configuration files	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.0.0-1.noarch.rpm</a>
org.glite.service-discovery-file.c	File based Service Discovery	2.0.0	<a href="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">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</a>
org.glite.service-discovery-rgma-c	RGMA based service discovery	2.0.1	<a href="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">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</a>
org.glite.service-discovery-rgma-java	RGMA based service discovery	2.0.1	<a href="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">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</a>

## 4. DEPENDENCIES

The gLite File Transfer Service module v. 2.1.0 has the following dependencies:

Component name	Version	RPM file name
gLite Essentials Java	1.2.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.rpm</a>
gLite Essentials C++	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm</a>
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_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-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>
Java JRE/SDK	1.4.2	<a href="http://java.sun.com/j2se/1.4.2/download.html">http://java.sun.com/j2se/1.4.2/download.html</a>

The Oracle InstantClient libraries and executables are not freely redistributable and are not included with this release. The four RPMS have to be downloaded from the Oracle web site and installed on the system before installing the gLite File Transfer Service module.

## 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>.

- For service discovery to work for FTS clients, the File Transfer Service instances must be published (in R-GMA or files) using the service type org.glite.FileTransfer and org.glite.ChannelManagement, instead of the types org.glite.data.FileTransfer org.glite.data.ChannelManagement mandated by the gLite service publishing conventions. This will be fixed in a future release. The provided configuration templates use org.glite.FileTransfer and org.glite.ChannelManagement for the moment
- 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:



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Bug number	Description
#9943	FTS: clients report "Missing SD plugin" if any plugin fails
#9952	FTS: submit client should ask for MyProxy password twice
#9969	Java and Perl FTS APIs not installed in WN

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

Bug Number	Description
#8713	FTS: when FTS is misconfigured, the client gets obscure error messages
#8958	FTS: If a mapfile is not specified in the config, a client will receive an InternalException from the service
#9121	FTS client installation
#9821	FTS: Client code libraries should not expose FilePlacement or TransferFetcher interface

## 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
#9942	FTS: clients segfault on some SD failures
#8711	FTS: CLI status cannot parse Waiting or Hold states