

GLITE DATA TRANSFER AGENTS (ORACLE)

1. RELEASE DESCRIPTION

This release contains the gLite Data Management File Transfer Agents for Oracle module v. 1.1.0. 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 Data Transfer Agents Service, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

The changes in this release are:

- Architecture Refactoring: now the FTA is logically splitted in two agents: the Channel Agent and the VO Agent, in order to allow proper inter-VO scheduling. This change also affects the configuration (have a look at the configuration template for the possible deployment scenarios)
- Improve handling of VO share: now the channel agent can be configured to handle the VO share differently (absolute, normalized, normalized on VO with active jobs)
- Workaround for bug #9712 FTS: when myproxy retrieval fails, the DB connection sometimes drops
- Some changes on the CatalogService in order to allow to return the list of file names that failed in the bulk operation (improve error reporting on the database)
- Export include files in order provide some extensibility with user defined actions

3. RELEASE CONTENTS

The gLite Data Transfer Agents v. 1.1.0 is composed of the following gLite components:

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.2.1	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhe130/noarch/RPMS/glite-config-1.2.1-1.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/rhe130/i386/RPMS/glite-data-catalog-api-c-2.0.0-3.i386.rpm
org.glite.data-catalog.cli	Data Catalog CLI	1.7.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhe130/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/rhe130/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/rhe130/i386/RPMS/glite-data-config-service-1.1.9-1.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/rhe130/i386/RPMS/glite-data-srm-api-c-1.1.0-1.i386.rpm
org.glite.data-transfer.agents	gLite Data Transfer Agents	2.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhe130/i386/RPMS/glite-data-transfer-agents-2.0.0-4.i386.rpm
org.glite.data-transfer-agents-oracle.config	gLite File Transfer Agents for Oracle configuration files	1.1.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhe130/noarch/RPMS/glite-data-transfer-agents-oracle-config-1.1.0-1.noarch.rpm
org.glite.data-transfer-url.copy	gLite Data Transfer URL Copy	1.3.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhe130/i386/RPMS/glite-data-transfer-url-copy-1.3.0-1.i386.rpm
org.glite.data-util.c	Data C util libraries	1.1.2	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhe130/i386/RPMS/glite-data-util-c-1.1.2-1.i386.rpm



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			i386/RPMS/glite-data-util-c-1.1.2-1.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-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-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-servicetool	R.GMA service tool	4.1.19	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm
org.glite.rgma-servicetool-config	gLite R.GMA servicetool installation	5.0.0	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-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.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.c		1.5.9	http://glite.web.cern.ch/glite/packages/R1.3/R20050805/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.5.9-2.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-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

4. DEPENDENCIES

The gLite Data Transfer Agents v. 1.1.0 has the following dependencies:

Component name	Version	RPM file name
gLite C/C++ Essentials	1.1.1	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.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
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.slc3.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
myproxy	1.14	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm
Java JRE/SDK	1.4.2	http://java.sun.com/j2se/1.4.2/download.html

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>.

- All the instances need to point to the same DB
- The services.xml file used for file type service discovery needs to be edited by hand to add entries for the different SRMs for the sites and the entry for the MyProxy server; e.g.:

```
<service name="CERN-GLITE-SRM">
  <parameters>
    <endpoint>srm://glitesrm.cern.ch:8443/srm/managerV1</endpoint>
    <type>SRM</type>
    <version>1.1.0</version>
    <site>cern.ch</site>
    <param name="SEMOUNTPOINT"/>castor/cern.ch/grid/glitetest</param>
  </parameters>
</service>
<service name="CERN-MyProxy">
  <parameters>
    <endpoint>myproxy://lxb1414.cern.ch</endpoint>
    <type>MyProxy</type>
    <version>1.14</version>
  </parameters>
</service>
```

Known open bugs:

Bug number	Description	
#8947	FTS: Throughput phase: need a post-transfer agent to remove files from disk	
#9338	FTS: agent should fill in DN field when it updates a table	
#9793	FTA: wrong default value for vo-agent	#9793

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

Bug number	Description	
#7318	FTS: Transfer agent sometimes mis-counts the number of active transfers	
#7361	FTS: transfer agent should detect a bad Oracle connection, and try to reconnect	
#8783	FTS: agents EnableHold property is not read correctly	
#9181	FTS: service restart does not always restart FTS agent	

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>



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Bug number	Description
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