

GLITE DATA MANAGEMENT LOCAL TRANSFER SERVICE

1. RELEASE DESCRIPTION

This release contains the gLite Data Management Local Transfer Service module v. 0.1.5. 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 Management Local Transfer Service, please refer to the gLite Installation and User Guides.

This is a preview version of the Local Transfer Service to allow gLite users to familiarize with the technology. The final version of Local Transfer Service will be released in a future release of gLite.

2. CHANGES IN THIS RELEASE

- glite-data-catalog-api-java v. 2.0.0 revision 6
Adding tests to BasicBUGTestFunc.java : #7256, #7070
Adding PerformanceOutputHelper.java, producing performance analysis to xml and svg files
Adding Performance tests for Fireman: PerformanceFMTTestFunc.java
Bug Fixing in BasicSETestFunc.java: Guistat could not be null.

3. RELEASE CONTENTS

The gLite Data Management Local Transfer Service v. 0.1.5 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.data-local-transfer-service	0.1.5	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-data-local-transfer-service_installer.sh http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-local-transfer-service-config-0.1.5-1.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-1.0.0-1.noarch.rpm
org.glite.data.transfer-fps	1.0.10	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-transfer-fps-1.0.10-1.noarch.rpm
org.glite.data.catalog-api-java	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-2.noarch.rpm
org.glite.data.common	1.1.8	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-common-1.1.8-1.noarch.rpm
org.glite.data.transfer-common	1.0.7	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-transfer-common-1.0.7-2.noarch.rpm
org.glite.data.transfer-interface	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-2.0.0-4.noarch.rpm
org.glite.data.transfer-url-copy	1.1.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-transfer-url-copy-1.1.0-1.i386.rpm
org.glite.data.srm-api-c	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.0.0-4.i386.rpm
org.glite.data.transfer-agents	1.3.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-transfer-agents-1.3.2-1.i386.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-1.1.6-1.i386.rpm

4. DEPENDENCIES

The gLite Workload Management System module has the following dependencies:

Component name	Version	RPM file name
gLite R-GMA Service Publisher	4.2.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh
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
MySQL-server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
MySQL-client	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.0.20-0.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.sl3.i386.rpm
Tomcat	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_EGEE.i386.rpm
Java SDK/JRE	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=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	
#6931	FTS: Should use user proxy for transfer	
#6932	FTS: Should support Oracle for its back end database	
#6933	FTS: Should support Channel management	
#7081	fps apidoc improvement	
#7184	LTS log file issuing loads of WARN messages	
#7318	FTS: Transfer agent sometimes mis-counts the number of active transfers	
#7352	FTS: forked glite-url-copy should chdir somewhere it can write	
#7353	FTS: if XML config file is badly formatted, the glite_config_service tool hangs on start	
#7354	FTS: glite_config_service waits for all child transfer processes to finish before stopping	
#7355	FTS: transfer-url-copy sometimes dies on gridFTP	
#7358	FTS: channel allocation fails if the SURL doesn't contain a port number	

#7361	FTS: transfer agent should detect a bad Oracle connection, and try to reconnect	
#7466	FTS: transfer-url-copy returns 0 for size and bytes written	
#7502	FTS: Channel management HALTED state should be added	
#7503	FTS: Add TURL:TURL to DB	
#7506	FTS: requirement 1.2 should be met: proper retry	
#7508	FTS: now needs to implement the protocol option passing as defined in interface	
#7509	FTS: update security per Channel	
#7516	FTS: log rotation on service	
#7517	FTS: rename FilePlacement of FileTransfer, fps -> fts	
#7568	FTS: url-copy sometimes core dumps if SURL format is bad	
#7581	FTS: add support for error categories	
#7594	FTS: should migrate all components to FileTransfer interface	
#7595	FTS: Need to test installation of -fts module	
#7596	FTS: Commandline tools should be tested fully against service	

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

Bug number	Description	
#6390	AXIS configuration in glite-data-transfer-fps is missing	
#6425	DM service installer creates directory "glite-ce"	
#6468	Perl interfaces to the Fireman and Transfer loose parameters in the functions	
#6935	Install guide mentions RGMA-Server in LTS Section	
#7113	FTS: glite-url-copy - if SRM.put fails, the code loops forever	
#7182	LTS deployment module does not set the log file name	
#7205	LTS deployment script says it cannot download the site config file	

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	
#7173	LTS postinstall config python scripts fails	
#7284	Cannot find glite-transfer-submit for data replication	

7. PREVIOUS RELEASES

7.1. RELEASE 0.1.4

7.1.1. Release Description

This release contains the gLite Data Management Local Transfer Service module v. 0.1.4. 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 Local Transfer Service, please refer to the gLite Installation and User Guides.

7.1.2. Changes in this Release

- transfer-url-copy v. 1.1.0
Added performance monitoring on gridftp
Added functionaltests and fixed some bugs
- transfer-common v. 1.0.7, transfer-fps v. 1.0.10
Can switch off cataloging with a new configuration option: CATALOG_DISABLE true/false
Updated to allow gsiftp TURLs

7.1.3. Release contents

The gLite Data Management Local Transfer Service v. 0.1.3 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.data-local-transfer-service	0.1.4	http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-data-local-transfer-service_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-local-transfer-service-config-0.1.4-1.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.transfer-fps	1.0.10	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-transfer-fps-1.0.10-1.noarch.rpm
org.glite.data.catalog-api-java	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-catalog-api-java-2.0.0-2.noarch.rpm
org.glite.data.common	1.1.5	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-common-1.1.5-1.noarch.rpm
org.glite.data.transfer-common	1.0.7	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-transfer-common-1.0.7-2.noarch.rpm
org.glite.data.transfer-interface	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-transfer-interface-2.0.0-4.noarch.rpm
org.glite.data.transfer-url-copy	1.1.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-transfer-url-copy-1.1.0-1.i386.rpm
org.glite.data.srm-api-c	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.0.0-4.i386.rpm
org.glite.data.transfer-agents	1.1.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-transfer-agents-1.1.1-1.i386.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

7.1.4. Dependencies

The gLite Workload Management System 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
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
MySQL-server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
MySQL-client	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.0.20-0.i386.rpm
Tomcat	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_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.sl3	1.1.7	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6.sl3-1.1.7-2.i386.rpm

7.1.5. 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=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.
- No boot-time script is yet provided or configured with this module this will be fixed in the next release

Known open bugs:

Bug number	Description	
#7113	glite-url-copy - if SRM.put fails, the code loops forever	
#4494	Configuration of wsdl files	
#6932	FTS Should support Oracle for its back end database	
#6933	FTS Should support Channel management	
#7081	fps apidoc improvement	
#6931	FTS should use user proxy for transfer	
#6468	Perl interfaces to the Fireman and Transfer loose parameters in the functions	

#6537	Can't install SRM and gLite on the same box	
#6870	There are no test reports provided for the gLite Date LTS in gLite v1.0.6 RC1 (Integration Build I20050204)	

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

Bug number	Description	
#6425	DM service installer creates directory "glite-ce"	
#6935	Install guide mentions RGMA-Server in LTS Section	

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=jra1mdw>

Bug number	Description
------------	-------------