

GLITE DATA MANAGEMENT SINGLE CATALOG FOR ORACLE

1. RELEASE DESCRIPTION

This release contains the gLite Data Management Single Catalog (Fireman) for Oracle module v. 2.0.0. 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 Single Catalog for Oracle, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

This release contains the following changes:

- The mechanism to upload the schemas to the database has changed to use sqlplus instead of ant and jdbc. It is now possible to run the configuration script multiple times without destroying the existing schemas and data
- The configuration script now has a new --configure command line switch to execute the configuration steps only without starting the services. The --start switch must be used to start the services. Running the script without options print usage instructions
- R-GMA Service Publisher parameters updated to use new common conventions (please make sure you use the new configuration templates)
- Bug fixes (see complete list later in this notes)

3. RELEASE CONTENTS

The gLite Data Management Single Catalog for Oracle v. 2.0.0 is composed of the following gLite components:

Component name		Version	File
glite-config	gLite configuration scripts	1.2.1	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/noarch/RPMS/glite-config-1.2.1-1.noarch.rpm
org.glite.data-catalog-service.fr	gLite Data Catalog Service (Oracle version)	2.1.6	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/noarch/RPMS/glite-data-catalog-service-fr-2.1.6-2.noarch.rpm
org.glite.data-common	common files for gLite Data Management web.services	1.2.1	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/noarch/RPMS/glite-data-common-1.2.1-1.noarch.rpm
org.glite.data-single-catalog-oracle.config	gLite Fireman Catalog for Oracle node configuration files	2.0.0	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/noarch/RPMS/glite-data-single-catalog-oracle-config-2.0.0-1.noarch.rpm
org.glite.rgma-api-java	Java API for R.GMA	4.1.5	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/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/R1.2/R20050715/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/R1.2/R20050715/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm
org.glite.rgma-servicetool	R.GMA service	4.1.19	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/n



Release Notes

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	tool		oarch/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/R1.2/R20050715/bin/rhel30/n oarch/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/R1.2/R20050715/bin/rhel30/n oarch/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/R1.2/R20050715/bin/rhel30/n oarch/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/R1.2/R20050715/bin/rhel30/n oarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm
org.glite.security-utils.config	gLite Security Utilities configuration files	1.0.2	http://glite.web.cern.ch/glite/packages/R1.2/R20050715/bin/rhel30/n oarch/RPMS/glite-security-utils-config-1.0.2-2.noarch.rpm

4. DEPENDENCIES

The gLite Data Management Single Catalog for Oracle module v. 2.0.0 has the following dependencies:

Component name	Version	RPM file name
Tomcat	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-9_EGEE.i386.rpm
Java SDK	1.4.2	http://java.sun.com/j2se/1.4.2/download.html
Oracle InstantClient	10.1.0.4	http://www.oracle.com/technology/software/tech/oci/instantclient/htdocs/linuxsoft.html

Java and the Oracle InstantClient cannot be freely redistributed with gLite and have to be installed before installing the gLite Data Management Single Catalog for Oracle. Please consult the Sun and Oracle web sites for more information on licencing issues.

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>.

- Oracle FireMan timeouts with large number of clients. The issue is being investigated. So far it could be only randomly reproduced. It may be related to a race-condition in axis
- 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	
#8452	Oracle FireMan: Timeouts with large number of clients	
#8726	SC-ORA: config script fails, because CATALINA_HOME is not defined	
#8728	SC-ORA: database password shipped in clear in command line	



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#9535	Fireman Oracle: glite-catalog-mkdir ignores -p parameter and returns '\Invalid parent specified'	
#9543	Fireman Oracle: 'delete' permission is not taken into account.	
#9679	Fireman Oracle: default rights of files should be modified.	

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

Bug number	Description	
#8532	Oracle fireman. Error during glite-put due to getPermission() implementation	

6. BUGS CLOSED SINCE LAST RELEASE

This is the first public release of this module. 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
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7. PREVIOUS RELEASES

7.1. RELEASE 1.0.0

7.1.1. RELEASE DESCRIPTION

This release contains the gLite Data Management Single Catalog 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 Single Catalog for Oracle, please refer to the gLite Installation and User Guides.

7.1.2. CHANGES IN THIS RELEASE

This release doesn't introduce any new features, just bug fixes

7.1.3. RELEASE CONTENTS

The gLite Data Management Single Catalog for Oracle v. 1.0.0 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.data-single-catalog-oracle-config	1.0.0	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-single-catalog-oracle-config-1.0.0-1.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-1.0.0-1.noarch.rpm
glite-data-catalog-service-fr	2.0.14	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-catalog-service-fr-2.0.14-1.noarch.rpm
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

7.1.4. DEPENDENCIES

The gLite Data Management Single Catalog for Oracle module v. 1.0.0 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
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	1.4.2	http://java.sun.com/j2se/1.4.2/download.html
Oracle JDBC Drivers	10.1.0.4	http://www.oracle.com/technology/software/tech/java/sqlj_jdbc/htdocs/jdbc101040.html

Java and the Oracle JDBC drivers cannot be freely redistributed with gLite and have to be installed before installing the gLite Data Management Single Catalog for Oracle. Please consult the Sun and Oracle web sites for more information on licencing issues.

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=jra1mdw>.

- 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	
#5581	Cannot remove files from the catalog	
#6730	LFN normalisation needs to be done in Fireman catalogs	
#6755	Fireman catalog - Oracle - seems top be down	
#7277	glite-data-single-catalog-config v. 0.1.3 scratches my DB	

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

Bug number	Description	
#5633	Fireman catalog: "java.lang.reflect.InvocationTargetException" during bulk creation of entries	
#5723	Fireman catalog: "500 Internal Server Error" response to readDir call after killing a client during a bulk create call	
#5923	Fireman catalog: Exceptions while creating entries (via bulks) with 10 clients simultaneously	
#6465	services/FileCatalog automatically added to the Fireman endpoint	

7.1.6. BUGS CLOSED SINCE LAST RELEASE

This is the first public release of this module. 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
#5037	Cannot retrieve file newly added to the catalog (on lxb1432.cern.ch)
#5755	Fireman catalog: "500 Internal Server Error" response to readDir after simultaneous bulk create from multiple clients
#5820	Fireman catalog: "500 (Internal Server Error) read timeout" when calling readDir
#6573	Where is the Fireman Catalog ????
#6811	Cannot create directories in Oracle Fireman Catalog
#7063	Unable to create directory in /tmp (Oracle catalog)
#7482	catalog gives strange message if endpoint is malformed