

GLITE DATA MANAGEMENT SINGLE CATALOG FOR ORACLE

1. RELEASE DESCRIPTION

This release contains the gLite Data Management Single Catalog (Fireman) for Oracle module v. 1.1.0. 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:

- From this release, the Fireman service runs by default as a secure web service on the https port 8443 and requires the installation of the gLite Security Utilities. In order to open the non-secure http port 8080, the following new parameter must be set to true in the configuration:

```
<allow.unsecure.port
  description="Enable using the unsecure port 8080. It can be true or false.
  Example: false"
  value="true"/>
```

- All R-GMA service publishing instances in the configuration template now have default values except the new vo.name parameter that has to be set from 'changeme' to a valid VO name for each service instance (one instance per service type per VO)

3. RELEASE CONTENTS

The gLite Data Management Single Catalog for Oracle v. 1.1.0 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.data-single-catalog-oracle-config	1.1.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/installers/glite-data-local-transfer-service_installer.sh http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-data-single-catalog-oracle-config-1.1.0-1.noarch.rpm apt-get install glite-data-single-catalog-oracle-config
org.glite.deployment.config	1.1.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-config-1.1.1-3.noarch.rpm
glite-data-catalog-service-fr	2.1.5	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-data-catalog-service-fr-2.1.5-3.noarch.rpm
glite-data-common	1.2.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-data-common-1.2.1-1.noarch.rpm

4. DEPENDENCIES

The gLite Data Management Single Catalog for Oracle module v. 1.1.0 has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	1.0.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/installers/glite-security-utils_installer.sh
gLite R-GMA Service Publisher	4.2.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/installers/glite-security-utils_installer.sh
Tomcat	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-6_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.

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>.

- There is no way of checking if the Fireman database already exists when running the configuration script. The database is dropped and recreated every time the script is run. This will be fixed in the next release.
- 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
#6755	Fireman catalog - Oracle - seems top be down
#6861	Incorrect error message from glite-catalog-ls command
#7089	glite-catalog-mkdir error message has a typo
#7103	glite-catalog-ls /tmp/*.data ... only list part of matches
#7238	glite-catalog-rmdir doesn't produce a exception when directory is not empty
#7256	data-catalog-api-c-2.0.0 let me create twice the same entry in the catalog
#7277	glite-data-single-catalog-config v. 0.1.3 scratches my DB
#7730	glite-catalog-ls returns different message for MySQL and Oracle catalog when dir doesn't exist
#7775	missing template for the siteconfig in the Oracle SC deployment
#7785	FR_TEST.PERMISSION_UTIL not found in oracle catalogue installation
#7833	Problem with glite-catalog-mv
#7928	Entries created in Oracle catalog are all owned by the user's group instead of the user's certificate subject
#7993	option parsing of glite-catalog-find
#8052	Problem with glite-catalog-mkdir with -p option
#8053	Problem with glite-catalog-create with -S option

#8057	Problem with glite-catalog-chmod	
#8060	Problem with glite-catalog-chkperm	
#8416	glite-catalog-find returns all entries	
#8437	Not possible to create dirs/files in Fireman catalog in secure mode	

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

Bug number	Description	
#5581	Cannot remove files from the catalog	
#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	
#7690	problem with glite-catalog-ls	
#7746	rmdir in output from glite-catalog-rm command	
#7763	minor error in the final printout of the Oracle SC install script	
#7784	oracle catalog deployment module should check that the java sdk is there	
#7795	Single Catalog ORACLE config script does not modify tomcat5.conf file	
#7796	False successful Oracle Single Catalog service start message	
#7806	oracle catalogue installation with apt fails	

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=jralmdw>

Bug number	Description
#6425	DM service installer creates directory "glite-ce"
#6730	LFN normalisation needs to be done in Fireman catalogs
#6936	glite-catalog-ls doesn't work for Oracle server?
#7251	glite-catalog-ls doesn't let me read a directory when an entry exists more than once.
#7758	release notes for the gLite Data Single Catalog (for Oracle) are not correct
#7766	Oracle SC deployment script failing
#8051	Problem with glite-catalog-mv

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

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#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

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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