

GLITE I/O SERVER

1. RELEASE DESCRIPTION

This release contains the gLite I/O Server module v. 1.2.5. 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 I/O Server please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

This release introduces the following changes:

- Removed definition of X509_USER_CERT and X509_USER_KEY from the configuration script and changed certificate names to usercert.pem and userkey.pem (rather than service{cert|key}.pem) when creating copies of the host certificates as service certificates. In addition, when using real service certificates, they must be installed in the .globus directory of the home directory of the user running the I/O Server instances. The service.certificate.file and service.key.file parameters must be set to full path of those certificates. This is required to allow proper delegation of end-user certificates when contacting the catalogs using secure endpoints.
- Added support for catalogues secure endpoints. As of this release, the I/O Server requires running the mkgridmap script and installing the glite-mkgridmap cron job. Therefore the parameter install.mkgridmap.cron must be set to true.
- It is now possible to independently create I/O Server instances per VO and per type of catalog. For example it is possible to have two instances for the same VO, but using two different types of catalog. The service instances and relative log and properties files are suffixed with the VO name and the catalog type keyword
- The names of the VOs served by the I/O Server node and the VOMS server hostnames hosting them must now be specified in the configuration file using the new voms.voname and voms.vonode array parameters. The values of these parameters are used to configure the /opt/glite/etc/glite-mkgridmap.conf file
- 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 I/O Server instance (one instance per VO)
- Various bug fixes

3. RELEASE CONTENTS

The gLite I/O Server v. 1.2.5 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.io-server	1.2.5	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/installers/glite-io-server_installer.sh http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-io-server-config-1.2.5-2.noarch.rpm apt-get install glite-io-server-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
org.glite.data.catalog-fas-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-



Release Notes

Doc. Identifier:
release_notes.doc

Date: 30/04/2005

		data-catalog-fas-api-c-2.0.0-1.i386.rpm
org.glite.data.catalog-file-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-catalog-file-api-c-2.0.0-1.i386.rpm
org.glite.data.catalog-fireman-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-catalog-fireman-api-c-2.0.0-2.i386.rpm
org.glite.data.catalog-interface	2.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-6.noarch.rpm
org.glite.data.catalog-replica-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-catalog-replica-api-c-2.0.0-1.i386.rpm
org.glite.data.io-authz-fas	1.1.2	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-authz-fas-1.1.2-1.i386.rpm
org.glite.data.io-resolve-fireman	1.3.3	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-resolve-fireman-1.3.3-1.i386.rpm
org.glite.data.io-resolve-fr	1.3.3	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-resolve-fr-1.3.3-1.i386.rpm
org.glite.data.config-service	1.1.7	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-config-service-1.1.7-1.i386.rpm
org.glite.data.io-authz-catalogs	1.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-authz-catalogs-1.0.0-1.i386.rpm
org.glite.data.io-base	1.3.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.1-1.i386.rpm
org.glite.data.io-daemon	1.2.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-daemon-1.2.1-1.i386.rpm
org.glite.data.io-gss-auth	1.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data.io-protocol-rfio	1.3.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-protocol-rfio-1.3.0-1.i386.rpm
org.glite.data.io-quanta	1.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data.io-resolve-catalogs	1.2.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-resolve-catalogs-1.2.0-2.i386.rpm
org.glite.data.io-resolve-common	1.2.1	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-io-resolve-common-1.2.1-1.i386.rpm
org.glite.data.srm-api-c	1.0.0	http://glite.web.cern.ch/glite/packages/R1.1/R20050430/bin/rhel30/i386/RPMS/glite-data-srm-api-c-1.0.0-9.i386.rpm

4. DEPENDENCIES

The gLite I/O Server module 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
gLite Essentials for C/C++	1.1.1	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm
Globus Essentials	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.0rh9-1.i386.rpm
GPT	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.0rh9-1.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
CASTOR Client	1.7.1.5	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CASTOR-client-1.7.1.5-1.longname.i386.rpm

Java SDK/JRE	1.4.2	http://java.sun.com/j2se/1.4.2/download.html
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5. KNOWN BUGS AND ISSUES

This release has the following know 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>.

- Due to an incompatibility between different Globus versions, it may be necessary to turn off the usage of the client's delegated credentials to contact the catalogs if the version of Globus running on the SRM server is older than the version used by gLite I/O Server. If that is the case, set the value of the "io-authz-catalogs.DisableDelegation" and "io-resolve-common.DisableDelegation" configuration parameters to "true". For more information refer to the gLite Installation Guide.
- 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.
- In addition, since there may be overlaps between different gLite modules, automatic removal of the RPMS files may fail if two or more modules are installed on the same host.
- In order to use gLite I/O Server with some configurations of Castor SEs, the distinguished name of the host where the gLite I/O server is installed, must be included in the /etc/grid-security/grid-mapfile of the Castor SE node.

Known open bugs:

Bug number	Description	
#7006	gLite I/O server doesn't output on stdio a major error condition as Catalog down	
#7886	glite-io-server should fail if port is already in use	
#7988	glite i/o against dcache, dc_open fails. (Wrong arguments?)	
#8345	gLite I/O and gLite FTS security models conflict	
#8477	I/O server, when not registered with a SRM machine, fails to run with a generic error	

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

Bug number	Description	
#7329	The SSL Configuration parameters for the I/O server are not described in the Installation Guide	
#7757	glite-io-server is not the Computing Element	
#7797	Possibility to get more instances of the gLite I/O server per 1 VO	
#7885	stop option in glite-io-server-config.py	
#8000	glite-io-server-config.py fails	

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
#6585	I/O Server configuration script explicitly refers to /home as home directories root
#7491	glite-io-server-config.py script runs the start servicetool more than once
#7760	all RGMA client config missing from the gLite I/O serv configuration
#7827	Spelling mistake in glite-io-server-config.py prevents using io-resolve-fr parameters
#7922	In the IO server glite-io-server-config.py fails to overwrite the global JAVA_HOME value with the local one
#7997	In the I/O server the gLite script always return the I/O server as running

7. PREVIOUS RELEASES

7.1. RELEASE 1.2.3

7.1.1. Release Description

This release contains the gLite I/O Server module v. 1.2.3. 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 I/O Server please refer to the gLite Installation and User Guides.

7.1.2. Changes in this release

This release introduces the following changes:

- The I/O Server can be configured to use either specific server certificates or the host certificates
- The I/O Server services are published to an R-GMA Server using the R-GMA Service Publisher tool
- `glite_data_config_status` now correctly returns 1 if the service is stopped, 0 if it's still running
- Various bug fixes

7.1.3. Release contents

The gLite I/O Server v. 1.2.3 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.io-server	1.2.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-io-server_installer.sh http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-io-server-config-1.2.3-1.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.catalog-fas-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-catalog-fas-api-c-2.0.0-1.i386.rpm
org.glite.data.catalog-file-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-catalog-file-api-c-2.0.0-1.i386.rpm
org.glite.data.catalog-fireman-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-catalog-fireman-api-c-2.0.0-2.i386.rpm
org.glite.data.catalog-interface	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-6.noarch.rpm
org.glite.data.catalog-replica-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-catalog-replica-api-c-2.0.0-1.i386.rpm
org.glite.data.io-athz-fas	1.1.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-athz-fas-1.1.2-1.i386.rpm
org.glite.data.io-resolve-fireman	1.3.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-resolve-fireman-1.3.3-4.i386.rpm
org.glite.data.io-resolve-fr	1.3.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-resolve-fr-1.3.3-1.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
org.glite.data.io-athz-catalogs	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-athz-catalogs-1.0.0-1.i386.rpm
org.glite.data.io-base	1.3.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-

		data-io-base-1.3.1-1.i386.rpm
org.glite.data.io-daemon	1.2.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-daemon-1.2.1-1.i386.rpm
org.glite.data.io-gss-auth	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data.io-protocol-rfio	1.3.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-protocol-rfio-1.3.0-1.i386.rpm
org.glite.data.io-quanta	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data.io-resolve-catalogs	1.2.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-resolve-catalogs-1.2.0-2.i386.rpm
org.glite.data.io-resolve-common	1.2.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-data-io-resolve-common-1.2.1-1.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

7.1.4. Dependencies

The gLite I/O Server module has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-security-utils-config-0.6.1-1.noarch.rpm
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 Essentials for C/C++	1.1.1	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm
Globus Essentials	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.0rh9-1.i386.rpm
GPT	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.0rh9-1.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
CASTOR Client	1.7.1.5	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CASTOR-client-1.7.1.5-1.longname.i386.rpm
Java SDK/JRE	1.4.2	http://java.sun.com/j2se/1.4.2/download.html

7.1.5. Known bugs and issues

This release has the following know 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>.

- Due to an incompatibility between different Globus versions, it may be necessary to turn off the usage of the client's delegated credentials to contact the catalogs if the version of Globus running on the SRM server is older than the version used by gLite I/O Server. If that is the case, set the value of the “io-authz-catalogs.DisableDelegation” and “io-resolve-common.DisableDelegation” configuration parameters to "true". For more information refer to the gLite Installation Guide.

- 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.
- In addition, since there may be overlaps between different gLite modules, automatic removal of the RPMS files may fail if two or more modules are installed on the same host.
- In order to use gLite I/O Server with some configurations of Castor SEs, the distinguished name of the host where the gLite I/O server is installed, must be included in the /etc/grid-security/grid-mapfile of the Castor SE node.

Known open bugs:

Bug number	Description	
#7006	gLite I/O server doesn't output on stdio a major error condition as Catalog down	
#6043	errors while simultaneous downloading/retrieving several files via IOserver	
#5079	io-quanta returns "Timeout in Read" trying to create a file of 999999999 bytes size.	

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

Bug number	Description	
#6025	Installation guide for glite/io server should be updated	
#6537	Can't install SRM and gLite on the same box	
#6585	I/O Server configuration script explicitly refers to /home as home directories root	
#7491	glite-io-server-config.py script runs the start servicetool more than once	

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
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7.2. RELEASE 1.1.0

7.2.1. Release Description

This release contains the gLite I/O Server 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 I/O Server please refer to the gLite Installation and User Guides.

7.2.2. Changes in this release

This release introduces the following changes:

- the new version of the catalogs interface and APIs (v. 2.0.0) and the corresponding new functionality to access fireman catalogs and file and replica catalogs from the gLite I/O Server
- the gLite Security Utilities are automatically installed and configured with the gLite I/O Server and do not need to be installed separately anymore
- The gLite init.d script is automatically installed and activated by the configuration scripts to start all gLite I/O Server services (rfio and the glite-io-server service at boot-time)

7.2.3. Release contents

The gLite I/O Server v. 1.1.0 is composed of the following gLite components:

Component name	Version	File
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.deployment.io-server	1.1.0	http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-io-server_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-io-server-config-1.1.0-1.noarch.rpm
org.glite.data.catalog-fas-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-catalog-fas-api-c-2.0.0-1.i386.rpm
org.glite.data.catalog-file-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-catalog-file-api-c-2.0.0-1.i386.rpm
org.glite.data.catalog-fireman-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-catalog-fireman-api-c-2.0.0-2.i386.rpm
org.glite.data.catalog-interface	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-data-catalog-interface-2.0.0-6.noarch.rpm
org.glite.data.catalog-replica-api-c	2.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-catalog-replica-api-c-2.0.0-1.i386.rpm
org.glite.data.io-authz-fas	1.1.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-authz-fas-1.1.2-1.i386.rpm
org.glite.data.io-resolve-fireman	1.3.3	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-resolve-fireman-1.3.3-4.i386.rpm
org.glite.data.io-resolve-fr	1.3.3	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-resolve-fr-1.3.3-1.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
org.glite.data.io-authz-catalogs	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-authz-catalogs-1.0.0-1.i386.rpm
org.glite.data.io-base	1.3.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-base-1.3.0-1.i386.rpm
org.glite.data.io-daemon	1.2.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-daemon-1.2.1-1.i386.rpm
org.glite.data.io-gss-auth	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-gss-auth-1.0.0-1.i386.rpm
org.glite.data.io-protocol-rfio	1.3.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-protocol-rfio-1.3.0-1.i386.rpm
org.glite.data.io-quanta	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-data-io-quanta-1.0.0-1.i386.rpm

		6/RPMS/ glite-data-io-quanta-1.0.0-1.i386.rpm
org.glite.data.io-resolve-catalogs	1.2.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/ glite-data-io-resolve-catalogs-1.2.0-2.i386.rpm
org.glite.data.io-resolve-common	1.2.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/ glite-data-io-resolve-common-1.2.1-1.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

7.2.4. Dependencies

The gLite I/O Server 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 http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-security-utils-config-0.6.1-1.noarch.rpm
gLite Essentials for C/C++	1.1.1	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm
Globus Essentials	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.0rh9-1.i386.rpm
GPT	VDT-1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.0rh9-1.i386.rpm
cGSI gSOAP	2.6-1.1.5	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CGSI_gSOAP_2.6-1.1.5-1.i386.rpm
CASTOR Client	1.7.1.5	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/CASTOR-client-1.7.1.5-1.longname.i386.rpm

7.2.5. 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>.

- Due to an incompatibility between different Globus versions, it may be necessary to turn off the usage of the client's delegated credentials to contact the catalogs if the version of Globus running on the SRM server is older than the version used by gLite I/O Server. If that is the case, set the value of the "io-authz-catalogs.DisableDelegation" and "io-resolve-common.DisableDelegation" configuration parameters to "true". For more information refer to the gLite Installation Guide.
- 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.
- In addition, since there may be overlaps between different gLite modules, automatic removal of the RPMS files may fail if two or more modules are installed on the same host.
- In order to use gLite I/O Server with some configurations of Castor SEs, the distinguish name of the host where the gLite I/O server is installed, must be included in the /etc/grid-security/grid-mapfile of the Castor SE node.

- By default the gLite I/O Server service is configured to use the host certificates, which are copied to the home directory of the user running the service. However in some cases, it must be necessary to use specific service certificates. In this case the certificates have to be installed manually and the X509_USER_CERT and X509_USER_KEY env vars have to be defined manually before starting the I/O Server service. This is fixed in the next release.

Known open bugs:

Bug number	Description	
#6043	errors while simultaneous downloading/retrieving several files via IOserver	
#6837	There are no test reports provided for the I/O Server in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6928	Services should publish to the Service table	
#7006	gLite I/O server doesn't output on stdio a major error condition as Catalog down	

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

Bug number	Description	
#5846	check for host certs is done in any case	
#5847	parameters are not identified by options for catalogues	
#6025	Installation guide for glite/io server should be updated	
#6585	I/O Server configuration script explicitly refers to /home as home directories root	
#6832	While installing the IO server the following library liblog4cxx.so.9 is found missing	

7.2.6. 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>