

GLITE R-GMA SERVER

1. RELEASE DESCRIPTION

This release contains the gLite R-GMA Server module v. 4.3.3. 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 R-GMA Server, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

This release introduces the following changes:

- The R-GMA Server module now includes the flexible archiver service as built-in functionality. There is not anymore a separate flexible archiver module
- The R-GMA Server module now includes the site publisher service as built-in functionality. There is not anymore a separate site publisher module
- The R-GMA Server module now calls the service publisher module to register its own services
- The common parameters required by all R-GMA modules have been moved to a separate R-GMA Common module called internally by the R-GMA Server installer (and packaged as a separate RPM)

3. RELEASE CONTENTS

The gLite R-GMA Server v. 4.3.3 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.rgma-server	4.3.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-rgma-server_installer.sh http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-config-4.3.3-1.noarch.rpm
org.glite.deployment.rgma-common	4.2.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-common-config-4.2.0-1.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
org.glite.rgma.api-java	4.1.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.3-1.noarch.rpm
org.glite.rgma.base	4.1.12	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.12-1.noarch.rpm
org.glite.rgma.server.servlet	4.1.14	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-server-servlet-4.1.14-1.noarch.rpm
org.glite.rgma.standard-tables	4.1.5	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-standard-tables-4.1.5-1.noarch.rpm
org.glite.rgma.stubs-servlet-java	4.1.6	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.6-1.noarch.rpm
org.glite.rgma.flexible-archiver	4.1.11	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-flexible-archiver-4.1.11-2.noarch.rpm
org.glite.rgma.publish-site	4.1.11	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-rgma-publish-site-4.1.11-1.noarch.rpm
org.glite.security.trustmanager	1.6.4	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-trustmanager-1.6.4-1.i386.rpm

org.glite.security.util-java	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-security-util-java-1.0.0-2.noarch.rpm
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4. DEPENDENCIES

The gLite R-GMA Server module v. 4.3.3 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
gLite R-GMA Service Publisher	4.1.5	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-rgma-servicetool_installer.sh
gLite-essentials-java	1.2.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.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
MySQL server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
Tomcat5	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_EGEE.noarch.rpm
SUN Java JDK/JRE	1.4.2	http://java.sun.com

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>.

- Many error messages are very poor. This is especially a problem with the command line tool due to messages being lost in too many layers of software. Error messages are also inconsistent between API's.
- Table and column names are currently case sensitive in RGMA. To get consistent results always respect case.
- Only a subset of SQL 92 is currently supported by RGMA, and continuous queries are even more restricted.
- Some operations of the command line tool try to access the schema and registry directly rather than just the local RGMA server. This access may be blocked by a firewall.
- There is a known issue with Java 1.4.2 running with the Scientific Linux 3 SMP kernel on dual processor machines, where the Java Virtual Machine can crash without warning. The current solution is to use a non-SMP kernel. We believe this will be fixed in Java 1.4.2 08, but there is no release date for this yet. The problem does not seem to occur in RH7.3 or RHEL4.
- The C, C++, and Python APIs and the command line tool make a new connection to the server for each API operation. When connecting to a secure server this adds a substantial overhead, so multiple API calls (e.g. lots of inserts) will run slowly. The Java API is not affected.
- All VOs share the same name space and information.
- Authentication is enabled by default. To use the RGMA Browser you must load your certificate into the web browser.

- 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.

Know open bugs:

Bug number	Description	
#4275	R-GMA needs a setup script to be run	
#4284	RGMA: error message for a non existent table is misleading	
#4290	Another message that could be improved	
#4364	R-GMA null pointer exception	
#4438	R-GMA doesn't check types	
#4634	RGMA scripts from EDG still present	
#5148	error message for non local schema and registry are misleading	
#5301	R-GMA: intermittent problem with producer->archiver chain	
#5703	case sensitive varchar's when creating an archiver	
#6287	add a predefined query to the browser to query the new log4 table	
#6288	HTTP proxy support is inconsistent	
#6475	Case sensitivity for table names is problematic	
#6479	csv and tsv output has vanished	
#6481	Bad error message from show	
#6493	Bad case sensitivity for insert	
#6495	insert does not check the column name	
#6496	Bad/missing error messages with select	
#6498	Error message could be more helpful	
#6501	Range checking on the date stamp leaves something to be desired	
#6506	Tab completion doesn't pick up "from"	
#6510	Case sensitivity depends on query type	
#6511	Syntax checking could be better	
#6512	More parsing errors	
#6514	Case sensitivity error with a secondary producer	
#6568	Could log commands to a file	
#6977	Printable version of the APIs would be nice	
#7024	Additions to the manuals	
#7149	Formatting strings for output	
#7188	Bad messages if a port isn't open	
#7189	How do you know the primary key?	
#7218	Finding the configured registry and schema	
#7219	Selects on different UIs give different results	
#7220	Bad error message with ssl error	

#7225	All client interactions should go via the local servlet box	
#7226	rgma client configuration succeeds, but a client test fails	
#7276	Bad error message for expired proxy	
#7282	Site has disappeared from R-GMA Browser	
#7283	Inserting '\s	
#7349	glite-rgma-base-4.1.10-1 fails to install in LB installer	
#7384	Proxy should default to the standard location	
#7397	r-gma command-line documentation feature request	
#7398	C API check fails with centos?	
#7399	API errors with expired proxy	
#7437	performance tests show problems when result set is big	
#7442	Remove redundant tables	
#7449	Bad behaviour with misconfigured registry	
#7451	CTRL-C not properly trapped in python API	
#7452	Inconsistent use of stdout and stderr in java API	
#7487	the rgma client and it does not use the X509_CERT_DIR to look for the certificates of the CAs	
#7524	R-GMA server configuration scripts need "--silent" option	
#7526	R-GMA flexible archiver scripts needs --silent flag	
#7537	Minor problems with read command	
#7541	Problems with the rgma man page	
#7542	Overriding the rgma.conf	
#7543	Add a comment "command"?	
#7593	Documentation web page	
#7600	servlet check doesn't spot time sync problem	
#7601	Connection not recovered after registry failure	
#7622	Comments on the quickstart web page	
#7623	Missing documentation in command line help	
#7624	Predicate doesn't work?	
#7625	Insert gives unclear warning	
#7626	YABEM (Yet Another Bad Error Message)	
#7627	Missing help for show properties	
#7631	No results returned from R-GMA	
#7633	Would be useful to query the configured registries	
#7635	Problems with registry configuration	
#7640	Crash if create/drop is used	
#7642	create_table fails	
#7644	Need explanation of how to get info out of result sets	
#7654	Detection of an error with TRUSTFILE	
#7655	declareTable fails with invalid predicate, but table is still declared	
#7664	Bad service names?	

#7676	Need to find out server limits on parameters	
#7699	Need a tool to unpublish a service	
#7705	Defaults for publication rate and LRP are wrong?	
#7711	Service Names need to be unique	

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

Bug number	Description	
#4429	R-GMA producers dying	
#4568	Flexible archiver dies regularly	
#4646	RGMA on the SE	
#4698	RGMA logging fills up /var	
#4820	Request directory configuration for services files.	
#4821	Cron jobs for service publishing	
#4822	running start on started service is not an error.	
#4823	--config on service script is not an option on flexible-archiver	
#4824	Could not (easily) run rgma-server-setup.py non - interactively	
#4853	rgma-servlet-status.py -pa sets up entries for the registry and schema when they are not installed	
#4887	allow RetentionPeriod as a parameter in the conf file of the flexi	
#5143	Too many open files using MySQL	
#5251	missing error message if the service tool fails to start	
#5293	Database producer URL in rgma.conf is wrong	
#5306	Use GLITE_LOCATION not RGMA_HOME	
#5411	http://hepunix.rl.ac.uk/egee/jra1-uk/glite/index.html has various errors	
#5412	No provision for not being port 8080	
#5425	Deleted items should be replicated	
#5475	log4j jar location is hardwired	
#5510	need for DB indices for DBProducer in underlying DBMS	
#5694	Service publisher needs to trap errors	
#5809	Inserting '\s into latest producers	
#6391	Wrong cron.hourly entry	
#6403	glite-rgma-server-config assumes MySQL is running.	
#6477	Unclear error messages	
#6480	Bad error message for unknown "set"	
#6507	Help for select doesn't mention "order by"	
#6509	Make commands case-insensitive	
#6516	Weird behaviour with -f option	
#6917	R-GMA server logs to /tmp instead of /var/log/glite	
#6980	Distribute the code examples	
#6981	Missing link to manual?	

#6990	Manual should refer to RC1 code	
#7012	Problem in C++ manual example	
#7014	C++ manual does not tell you the compiler options	
#7018	Manuals should mention case-sensitivity issues	
#7090	rgma-server-setup.py ignores --registrydb and --schemadb option	
#7091	rgma-install-schema.py non-intuitive to use	
#7147	Response to ctrl-c could be better	
#7156	C++ SecondaryProducer example doesn't behave as expected	
#7179	RGMA depl mod. : flex archiver pid file to be removed before restart attempt	
#7245	Error messages should be on stderr	
#7308	Changed behaviour with ctrl-D	
#7310	Client doesn't know about multiple registries	
#7409	RGMA security	
#7446	Site name not tied to the site publisher?	
#7572	rgma_flexible_archive_user_id not defined	

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
#4437	R-GMA csv output format not quite right
#5665	The Browser has a link to developers, which points to the old datagridwp3 mailing list - not the current jra1-uk one.
#6359	update gin to work in secure mode
#6361	update sitePublisher to work in secure mode
#6364	update flexible archiver to work in secure mode
#6383	The org.glite.rgma.log4cpp component creates binary and source tarballs with different version numbers
#6414	R-GMA Site Publisher fails with an unknown error
#6443	problem with rgma init.d scripts
#6513	Return code is not set
#6754	glite-rgma-server-config.py failed
#7115	R-GMA server installation documentation error
#7178	RGMA deployment module fails. (tomcat5.py)
#7234	glite-rgma-server-conf.py --start does not read the R-GMA configuration
#7268	RGMA unable to read proxy certificate file
#7301	RGMA still needs j2sdk - is this really on purpose like this ?



Release Notes

Doc. Identifier:
release_notes.doc

Date: 31/03/2005

#7342	rgma-gin script "pretends" being server setup script
#7344	R-GMA gin config script does not support glite-ce
#7481	R-GMA server stalled
#7672	glite-rgma-base does not get installed

7. PREVIOUS RELEASES

7.1. RELEASE 4.2.1

7.1.1. Release Description

This release contains the gLite R-GMA Server module v. 4.2.1. 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 R-GMA Server, please refer to the gLite Installation and User Guides.

7.1.2. Changes in this release

This release introduces the following changes:

- The gLite R-GMA Flexible Archiver (AKA Service Data Archiver) is now installed with the R-GMA Server installation. A configuration option is provided to enable or disable it (the default is 'no').
- glite-rgma-base v4.1.9
Fixed: Postinstall script only runs when installing user is root
Fixed: Added option in setup script to not use security
Fixed relocatability of rgma user
- glite-rgma-flexible-archiver v4.0.8
Fixed error when upgrading RPM with RGMA_HOME incorrectly set
- glite-rgma-servicetool v4.1.10
Moved system tests to more standard directory
Made producer thread log a warning and continue after receiving a runtime exception
- glite-rgma-stubs-servlet-java v4.1.5
Added more firewall handling/diagnostic code (ConnectionTimedOutException).
- Bug fixes (see below for the full list)

7.1.3. Release contents

The gLite R-GMA Server v. 4.2.1 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.rgma-server	4.2.1	http://glite.web.cern.ch/glite/packages/I20050225/installers/glite-rgma-server_installer.sh http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-config-4.1.1-1.noarch.rpm
org.glite.deployment.rgm-common	4.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-common-config-4.0.0-1.noarch.rpm
org.glite.deployment.config	0.8.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-config-0.7.4-1.noarch.rpm
org.glite.rgma.api-java	4.1.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.2-1.noarch.rpm
org.glite.rgma.base	4.1.9	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.9-1.noarch.rpm
org.glite.rgma.server-servlet	4.1.10	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-server-servlet-4.1.10-1.noarch.rpm

org.gLite.rgma.standard-tables	4.1.4	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-standard-tables-4.1.4-1.noarch.rpm
org.gLite.rgma.stubs-servlet-java	4.1.5	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.5-1.noarch.rpm
org.gLite.rgma.flexible-archiver	4.1.8	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-rgma-flexible-archiver-4.1.8-1.noarch.rpm
org.gLite.security.trustmanager	1.6.4	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-trustmanager-1.6.4-1.i386.rpm
org.gLite.security.util-java	1.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-security-util-java-1.0.0-1.noarch.rpm

7.1.4. Dependencies

The gLite R-GMA Server module v. 4.2.1 has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	0.6.1	http://glite.web.cern.ch/glite/packages/I20050225/installers/glite-security-utils_installer.sh
gLite-essentials-java	1.2.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.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
MySQL server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
Tomcat5	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_EGEE.noarch.rpm
SUN Java JDK/JRE	1.4.2_xx (xx > 02)	http://java.sun.com

7.1.5. Known bugs and issues

This release has no 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.
- Publication of the R-GMA Server services in R-GMA is not automatic. If required, please install the R-GMA Site Publisher module before installing the R-GMA Server

gLite R-GMA Service Publisher	4.1.2	http://glite.web.cern.ch/glite/packages/I20050225/installers/glite-rgma-servicetool_installer.sh
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Bug number	Description	

#4429	R-GMA producers dying	
#4438	R-GMA doesn't check types	
#5301	R-GMA: intermittent problem with producer->archiver chain	
#5306	Use GLITE_LOCATION not RGMA_HOME	
#5425	Deleted items should be replicated	
#5703	case sensitive varchar's when creating an archiver	
#5809	Inserting '\s into latest producers	
#6287	add a predefined query to the browser to query the new log4 table	
#6288	HTTP proxy support is inconsistent	
#6477	Unclear error messages	
#6480	Bad error message for unknown "set"	
#6512	More parsing errors	
#6514	Case sensitivity error with a secondary producer	
#6846	There are no test reports provided for the R-GMA Server in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6847	There is no test suite for the R-GMA Server in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6917	R-GMA server logs to /tmp instead of /var/log/glite	
#6981	Missing link to manual?	
#6990	Manual should refer to RC1 code	
#7012	Problem in C++ manual example	
#7014	C++ manual does not tell you the compiler options	
#7018	Manuals should mention case-sensitivity issues	
#7024	Additions to the manuals	
#7090	rgma-server-setup.py ignores --registrydb and --schemadb option	
#7091	rgma-install-schema.py non-intuitive to use	
#7156	C++ SecondaryProducer example doesn't behave as expected	
#7225	All client interactions should go via the local servlet box	
#7234	glite-rgma-server-conf.py --start does not read the R-GMA configuration	
#7245	Error messages should be on stderr	
#7282	Site has disappeared from R-GMA Browser	

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

Bug number	Description	
#4364	R-GMA null pointer exception	
#4646	RGMA on the SE	
#4698	RGMA logging fills up /var	
#4820	Request directory configuration for services files.	
#4822	running start on started service is not an error.	
#4823	--config on service script is not an option on flexible-archiver	

#4824	Could not (easily) run rgma-server-setup.py non - interactively	
#4853	rgma-servlet-status.py -pa sets up entries for the registry and schema when they are not installed	
#4887	allow RetentionPeriod as a parameter in the conf file of the flexi	
#5143	Too many open files using MySQL	
#5293	Database producer URL in rgma.conf is wrong	
#5411	http://hepunix.rl.ac.uk/egee/jra1-uk/glite/index.html has various errors	
#5412	No provision for not being port 8080	
#5475	log4j jar location is hardwired	
#5510	need for DB indices for DBProducer in underlying DBMS	
#5665	The Browser has a link to developers, which points to the old datagridwp3 mailing list - not the current jra1-uk one.	
#6046	Incorrect dependencies on log4j in rgma rpms	
#6249	gLite Installation Guide - corrections for rgma	
#6391	Wrong cron.hourly entry	
#6403	glite-rgma-server-config assumes MySQL is running.	
#7178	RGMA deployment module fails. (tomcat5.py)	
#7179	RGMA depl mod. : flex archiver pid file to be removed before restart attempt	
#7235	glite-rgma-server-config.py does not modify tomcat5.conf	

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
#4437	R-GMA csv output format not quite right
#6088	The org.glite.rgma.api-cpp component creates binary and source tarballs with different version numbers
#6089	The org.glite.rgma.python component creates binary and source tarballs with different version numbers
#6359	update gin to work in secure mode
#6360	update ServiceTool to work in secure mode
#6361	update sitePublisher to work in secure mode
#6364	update flexible archiver to work in secure mode
#6383	The org.glite.rgma.log4cpp component creates binary and source tarballs with different version numbers
#6414	R-GMA Site Publisher fails with an unknown error
#6443	problem with rgma init.d scripts
#6487	Odd results with tab completion
#6754	glite-rgma-server-config.py failed

#7115	R-GMA server installation documentation error
#7268	RGMA unable to read proxy certificate file

7.2. RELEASE 4.1.1

7.2.1. Release Description

This release contains the gLite R-GMA Server module v. 4.1.1. 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 R-GMA Server, please refer to the gLite Installation and User Guides.

7.2.2. Changes in this release

This release introduces the following changes:

- the R-GMA Server uses secure connections by means of client and server certificates. Please note that this change renders the server incompatible with non-secure versions of the R-GMA client and publishers.
- Some configuration information has been moved to a new module called rgma-common, which is used by all R-GMA modules
- The gLite Security Utilities module is installed and configured automatically when installing and configuring the R-GMA Server, no need to install it separately
- Bug fixes (see below for the full list)

7.2.3. Release contents

The gLite R-GMA Server v. 4.1.1 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.rgma-server	4.1.1	http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-rgma-server_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-config-4.1.1-1.noarch.rpm
org.glite.deployment.rgm-common	4.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-common-config-4.0.0-1.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.rgma.api-java	4.1.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.2-1.noarch.rpm
org.glite.rgma.base	4.1.8	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.8-1.noarch.rpm
org.glite.rgma.server-servlet	4.1.9	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-server-servlet-4.1.9-1.noarch.rpm
org.glite.rgma.standard-tables	4.1.4	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-standard-tables-4.1.4-1.noarch.rpm
org.glite.rgma.stubs-servlet-java	4.1.4	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.4-1.noarch.rpm
org.glite.security.trustmanager	1.6.3	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RP

		MS/glite-security-trustmanager-1.6.3-1.i386.rpm
org.gLite.security.util-java	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-security-util-java-1.0.0-1.noarch.rpm

7.2.4. Dependencies

The gLite R-GMA Server module v. 4.1.1 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-uitls_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-security-uitls-0.6.1-1.noarch.rpm
gLite-essentials-java	1.2.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.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
MySQL server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
Tomcat5	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_EGEE.noarch.rpm

7.2.5. Known bugs and issues

This release has no 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.
- Although it is possible to install the R-GMA Site Publisher on the same node of an R-GMA Server, at the moment publication of site information fails. This is fixed in a next release.

Bug number	Description	
#4275	R-GMA needs a setup script to be run	
#4284	RGMA: error message for a non existent table is misleading	
#4290	Another message that could be improved	
#4429	R-GMA producers dying	
#4437	R-GMA csv output format not quite right	
#4438	R-GMA doesn't check types	
#4634	RGMA scripts from EDG still present	
#5301	R-GMA: intermittent problem with producer->archiver chain	
#5306	Use GLITE_LOCATION not RGMA_HOME	
#5425	Deleted items should be replicated	

#5703	case sensitive varchar's when creating an archiver	
#5809	Inserting '\'s into latest producers	
#6287	add a predefined query to the browser to query the new log4 table	
#6288	HTTP proxy support is inconsistent	
#6403	glite-rgma-server-config assumes MySQL is running.	
#6475	Case sensitivity for table names is problematic	
#6476	Can't tell what query type is selected	
#6477	Unclear error messages	
#6479	csv and tsv output has vanished	
#6480	Bad error message for unknown "set"	
#6481	Bad error message from show	
#6483	Hitting return repeats the last command	
#6484	Help could give some examples	
#6487	Odd results with tab completion	
#6493	Bad case sensitivity for insert	
#6494	Help for insert could be better	
#6495	insert does not check the column name	
#6496	Bad/missing error messages with select	
#6498	Error message could be more helpful	
#6501	Range checking on the date stamp leaves something to be desired	
#6505	No man page	
#6506	Tab completion doesn't pick up "from"	
#6507	Help for select doesn't mention "order by"	
#6509	Make commands case-insensitive	
#6512	More parsing errors	
#6513	Return code is not set	
#6514	Case sensitivity error with a secondary producer	
#6515	Might be useful to add a "read"	
#6516	Weird behaviour with -f option	
#6568	Could log commands to a file	
#6754	glite-rgma-server-config.py failed	
#6846	There are no test reports provided for the R-GMA Server in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6847	There is no test suite for the R-GMA Server in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6917	R-GMA server logs to /tmp instead of /var/log/glite	
#6977	Printable version of the APIs would be nice	
#6980	Distribute the code examples	
#6981	Missing link to manual?	
#6990	Manual should refer to RC1 code	
#7018	Manuals should mention case-sensitivity issues	
#7024	Additions to the manuals	

#7090	rgma-server-setup.py ignores --registrydb and --schemadb option	
#7091	rgma-install-schema.py non-intuitive to use	
#7115	R-GMA server installation documentation error	

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

Bug number	Description	
#4364	R-GMA null pointer exception	
#4646	RGMA on the SE	
#4698	RGMA logging fills up /var	
#4820	Request directory configuration for services files.	
#4822	running start on started service is not an error.	
#4824	Could not (easily) run rgma-server-setup.py non - interactively	
#4853	rgma-servlet-status.py -pa sets up entries for the registry and schema when they are not installed	
#5143	Too many open files using MySQL	
#5148	error message for non local schema and registry are misleading	
#5251	missing error message if the service tool fails to start	
#5293	Database producer URL in rgma.conf is wrong	
#5411	http://hepunix.rl.ac.uk/egee/jra1-uk/glite/index.html has various errors	
#5412	No provision for not being port 8080	
#5475	log4j jar location is hardwired	
#5510	need for DB indices for DBProducer in underlying DBMS	
#5665	The Browser has a link to developers, which points to the old datagridwp3 mailing list - not the current jra1-uk one.	
#6046	Incorrect dependencies on log4j in rgma rpms	
#6088	The org.glite.rgma.api-cpp component creates binary and source tarballs with different version numbers	
#6089	The org.glite.rgma.python component creates binary and source tarballs with different version numbers	
#6249	gLite Installation Guide - corrections for rgma	
#6383	The org.glite.rgma.log4cpp component creates binary and source tarballs with different version numbers	
#6391	Wrong cron.hourly entry	
#6443	problem with rgma init.d scripts	
#6510	Case sensitivity depends on query type	
#6511	Syntax checking could be better	

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>

Bug number	Description
#4274	R-GMA shouldn't insist on having a "python2" command.
#4277	R-GMA should not use .pyc
#4530	Predefined Service Query in Browser is broken
#4550	No cleanup for old information in RGMA
#6088	The org.glite.rgma.api-cpp component creates binary and source tarballs with different version numbers
#6383	The org.glite.rgma.log4cpp component creates binary and source tarballs with different version numbers
#6443	problem with rgma init.d scripts
#6992	The manual could have a better description of how R-GMA works
#7019	Code comments would be better as comments
#7042	Manuals could describe the command line tool first

7.3. RELEASE 4.0.1

7.3.1. Release Description

This release contains the gLite R-GMA Server module v. 4.0.1. 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 R-GMA Server, please refer to the gLite Installation and User Guides.

7.3.2. Changes in this release

This release doesn't contain any functional changes. It contains bug fixes and an update of the tomcat rpm that is used.

7.3.3. Release contents

The gLite R-GMA Server v. 4.0.1 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.rgma-server	4.0.1	http://glite.web.cern.ch/glite/packages/I20050204/installers/glite-rgma-server_installer.sh http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-config-4.0.0-1.noarch.rpm
org.glite.deployment.config	0.7.1	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-config-0.7.1-1.noarch.rpm
org.glite.rgma.api-java	4.0.1	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.0.1-1.noarch.rpm
org.glite.rgma-base	4.0.5	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-base-4.0.5-1.noarch.rpm
org.glite.rgma-flexible-archiver	4.0.6	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-flexible-archiver-4.0.6-2.noarch.rpm
org.glite.rgma-publish-site	4.0.5	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-publish-site-4.0.5-1.noarch.rpm

org.glite.rgma-server-servlet	4.0.5	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-server-servlet-4.0.5-1.noarch.rpm
org.glite.rgma-standard-tables	4.0.2	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-standard-tables-4.0.2-1.noarch.rpm
org.glite.rgma-stubs-servlet-java	4.0.3	http://glite.web.cern.ch/glite/packages/I20050204/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.0.3-1.noarch.rpm

7.3.4. Dependencies

The gLite R-GMA Server module has the following dependencies:

Component name	Version	RPM file name
gLite-essentials-java	1.2.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.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
MySQL server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
Tomcat5	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_EGEE.noarch.rpm

7.3.5. Known bugs and issues

This release has no 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>.

Bug number	Description
#4274	R-GMA shouldn't insist on having a "python2" command.
#4275	R-GMA needs a setup script to be run
#4277	R-GMA should not use .pyc
#4284	RGMA: error message for a non existent table is misleading
#4290	Another message that could be improved
#4364	R-GMA null pointer exception
#4429	R-GMA producers dying
#4437	R-GMA csv output format not quite right
#4438	R-GMA doesn't check types
#4530	Predefined Service Query in Browser is broken
#4550	No cleanup for old information in RGMA
#4568	Flexible archiver dies regularly
#4634	RGMA scripts from EDG still present
#4646	RGMA on the SE
#4666	options from the rgma command line do not work
#4667	help instructions are wrong in the rgma client tool
#4668	incorrect information in the client side rgma.props file only affects certain commands

#4698	RGMA logging fills up /var
#4820	Request directory configuration for services files.
#4821	Cron jobs for service publishing
#4822	running start on started service is not an error.
#4823	--config on service script is not an option on flexible-archiver
#4824	Could not (easily) run rgma-server-setup.py non - interactively
#4853	rgma-servlet-status.py -pa sets up entries for the registry and schema when they are not installed
#4887	allow RetentionPeriod as a parameter in the conf file of the flexi
#4908	servicetool needs to handle RemoteException differently
#5143	Too many open files using MySQL
#5148	error message for non local schema and registry are misleading
#5251	missing error message if the service tool fails to start
#5293	Database producer URL in rgma.conf is wrong
#5301	R-GMA: intermittent problem with producer->archiver chain
#5306	Use GLITE_LOCATION not RGMA_HOME
#5411	http://hepunix.rl.ac.uk/egee/jra1-uk/glite/index.html has various errors
#5412	No provision for not being port 8080
#5425	Deleted items should be replicated
#5475	log4j jar location is hardwired
#5510	need for DB indices for DBProducer in underlying DBMS
#5665	The Browser has a link to developers, which points to the old datagridwp3 mailing list - not the current jra1-uk one.
#5694	Service publisher needs to trap errors
#5703	case sensitive varchar's when creating an archiver
#5809	Inserting '\s into latest producers
#6088	The org.glite.rgma.api-cpp component creates binary and source tarballs with different version numbers
#6089	The org.glite.rgma.python component creates binary and source tarballs with different version numbers

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.

7.3.6. 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
#4427	Bad error behaviour in edg-rgma
#4529	Two sets of installation instructions
#4549	Flexy.log file written to /root
#4589	/opt/edg/libexec/edg-rgma-restart-all has no effect

#4590	/opt/edg/sbin/test/edg-rgma-run-examples fails on perl after install
#4591	RGMA Browser still has WP3 logo
#4628	no licence file in RPM
#4832	Flexible archiver does not start after a recent upgrade
#4852	rgma-setup-db.py creates Registry and Schema databases when it should not
#5028	Non interactive way to run scripts needed
#5124	stubs-soap-http-java missing in glite.rgma.csf.xml
#5500	No error message with invalid insert

7.4. RELEASE 4.0.0

7.4.1. Release Description

This release contains the gLite R-GMA Server module v. 4.0.0. 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 R-GMA Server, please refer to the gLite Installation and User Guides.

7.4.2. Changes in this release

This release doesn't contain any functional changes. It contains bug fixes to be submitted to testing. However, the version number has been increased to match the R-GMA release version number 4.0.0.

7.4.3. Release contents

The gLite R-GMA Server v. 4.0.0 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.rgma-server	4.0.0	http://glite.web.cern.ch/glite/packages/I20050114/installers/glite-rgma-server_installer.sh http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-config-4.0.0-1.noarch.rpm
org.glite.deployment.config	0.4.1	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-config-0.4.0-1.noarch.rpm
org.glite.rgma.api-java	4.0.1	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.0.1-1.noarch.rpm
org.glite.rgma-base	4.0.4	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-base-4.0.4-1.noarch.rpm
org.glite.rgma.flexible.archiver	4.0.4	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-flexible-archiver-4.0.4-2.noarch.rpm
org.glite.rgma.publish.site	4.0.4	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-publish-site-4.0.4-1.noarch.rpm
org.glite.rgma.server.servlet	4.0.4	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-server-servlet-4.0.4-1.noarch.rpm
org.glite.rgma.standard.tables	4.0.2	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-standard-tables-4.0.2-1.noarch.rpm
org.glite.rgma.stubs.servlet.java	4.0.3	http://glite.web.cern.ch/glite/packages/I20050114/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.0.3-1.noarch.rpm

7.4.4. Dependencies

The gLite R-GMA Server module has the following dependencies:

Component name	Version	RPM file name
gLite-essentials-java	1.2.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.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
MySQL server	4.0.20	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.0.20-0.i386.rpm
Tomcat	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat-5.0.28-2_EGEE.i386.rpm

7.4.5. Known bugs and issues

This release has no 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>.

Bug number	Description
#4274	R-GMA shouldn't insist on having a "python2" command.
#4275	R-GMA needs a setup script to be run
#4277	R-GMA should not use .pyc
#4284	RGMA: error message for a non existent table is misleading
#4290	Another message that could be improved
#4364	R-GMA null pointer exception
#4427	Bad error behaviour in edg-rgma
#4429	R-GMA producers dying
#4437	R-GMA csv output format not quite right
#4438	R-GMA doesn't check types
#4530	Predefined Service Query in Browser is broken
#4550	No cleanup for old information in RGMA
#4568	Flexible archiver dies regularly
#4634	RGMA scripts from EDG still present
#4646	RGMA on the SE
#4666	options from the rgma command line do not work
#4667	help instructions are wrong in the rgma client tool
#4668	incorrect information in the client side rgma.props file only affects certain commands
#4698	RGMA logging fills up /var
#4820	Request directory configuration for services files.
#4821	Cron jobs for service publishing
#4822	running start on started service is not an error.
#4823	--config on service script is not an option on flexible-archiver

#4824	Could not (easily) run rgma-server-setup.py non - interactively
#4853	rgma-servlet-status.py -pa sets up entries for the registry and schema when they are not installed
#4887	allow RetentionPeriod as a parameter in the conf file of the flexi
#4908	servicetool needs to handle RemoteException differently
#5124	stubs-soap-http-java missing in glite.rgma.csf.xml
#5143	Too many open files using MySQL
#5148	error message for non local schema and registry are misleading
#5251	missing error message if the service tool fails to start
#5293	Database producer URL in rgma.conf is wrong
#5301	R-GMA: intermittent problem with producer->archiver chain
#5306	Use GLITE_LOCATION not RGMA_HOME
#5411	http://hepunix.rl.ac.uk/egee/jra1-uk/glite/index.html has various errors
#5412	No provision for not being port 8080
#5425	Deleted items should be replicated
#5475	log4j jar location is hardwired
#5500	No error message with invalid insert
#5510	need for DB indices for DBProducer in underlying DBMS
#5665	The Browser has a link to developers, which points to the old datagridwp3 mailing list - not the current jra1-uk one.
#5694	Service publisher needs to trap errors
#5703	case sensitive varchar's when creating an archiver
#5809	Inserting '\s' into latest producers
#6046	Incorrect dependencies on log4j in rgma rpms
#6088	The org.glite.rgma.api-cpp component creates binary and source tarballs with different version numbers
#6089	The org.glite.rgma.python component creates binary and source tarballs with different version numbers
#6249	gLite Installation Guide - corrections for rgma
#6274	Unable to configure R-GMA replicated registry in the client
#6287	add a predefined query to the browser to query the new log4 table
#6288	HTTP proxy support is inconsistent

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.

7.4.6. 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>



Release Notes

Doc. Identifier:
release_notes.doc

Date: 31/03/2005

Bug number	Description
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