

GLITE R-GMA SERVICETOOL

1. RELEASE DESCRIPTION

This release contains the gLite R-GMA Servicetool module v. 5.2.2. 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 Servicetool, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

2.1. CHANGES IN FUNCTIONALITY

The R-GMA servicetool provides default values for the following parameters:

- R-GMA Servicetool enable (true)
- R-GMA Servicetool instance name (empty string)

These values must be overridden by individual services when publishing instances.

In addition it is not necessary anymore to configure the instances to be published in the individual configuration files. All instances are created programmatically by the configuration scripts, although all parameters can be overridden in the configurations files if required. For more information please refer to the gLite 1.5 configuration guide.

The module provides an updated, easier to use configuration file to define non-gLite instances to be published in R-GMA. This template (`/opt/glite/etc/config/templates/glite-rgma-servicetool-externalServices.cfg.xml`) can be used to publish for example SEs, myproxy servers, etc. If such custom file is found in the `/opt/glite/etc/config` directory it is used to create the additional instances when the servicetool configuration script is run. For more information please refer to the gLite 1.5 configuration guide. A new command line parameter is available in the script to publish the custom instances:

```
/opt/glite/etc/config/scripts/glite-rgma-servicetool-config.py --addExternalServices
```

A new command line switch is now available to remove configured service instances from the servicetool disk cache:

```
/opt/glite/etc/config/scripts/glite-rgma-servicetool-config.py --removeService=<serviceId>
```

If publishing of a service must only be temporarily stopped, it is better to set its enable flag to false.

2.2. CHANGES IN CONFIGURATION

The configuration of the module has changed. Please update your configuration if you upgrade from a previous version of the R-GMA servicetool.

2.2.1. New configuration parameters

The following configuration parameters have been added:

Parameter name	Default value	Description
rgma.servicetool.siteId	\${HOSTNAME}	Unique Id of site. It has to be a DNS entry owned by the site and does not have to be shared with another site (i.e it uniquely identifies the site). It normally defaults to the DNS name of the R-GMA Server running the Site Publisher service. [Example: lxb1420.cern.ch] [Type: 'string'] This parameter obsoletes the parameter: rgma.site-publisher.siteName
rgma.servicetool.enable	true	Enable this service to be published to R-GMA. This parameter can be also specified separately per servicetool instance in your service configuration file. The value defined here is the fallback value if no value is defined in the individual servicetool instance. [Example: 'true'] [Type: 'boolean']
rgma.servicetool.name	<empty string>	Human-readable name for the service. Need not be globally unique. If value is empty/not specified, the siteId is taken as the service name. This parameter can be also specified separately per servicetool instance in your service configuration file. The value defined here is the fallback value if no value is defined in the individual servicetool instance. [Example: Testservice to interface to my application] [Type: 'String']

2.2.2. Removed configuration parameters

No parameter has been removed in this release.

2.2.3. Changed configuration parameters

Parameter name	Reason
rgma.site-publisher.siteName	This parameter has been obsoleted by the new parameter rgma.site-publisher.siteId

3. RELEASE CONTENTS

3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite R-GMA Servicetool module installs/uses the following set of gLite deployment modules:

- glite-security-utils

Please see the corresponding release notes of these modules for details.

3.2. GLITE RPMS

The gLite R-GMA Servicetool module is composed of the following gLite components (list includes the gLite components of the other used gLite deployment modules in section 3.1):

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.6.22	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-config-1.6.22-2.noarch.rpm
glite-essentials-java	Set of JAVA libraries essential for gLite middleware	1.2.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.rpm
glite-rgma-api-java	Java API for R-GMA	5.0.3	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-api-java-5.0.3-1.noarch.rpm
glite-rgma-base	R-GMA basic configuration and documentation	5.0.4	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-base-5.0.4-1.noarch.rpm
glite-rgma-common-config	gLite rgma common configuration items installation	5.0.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.1-1.noarch.rpm
glite-rgma-servicetool	R-GMA service tool	5.0.3	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-5.0.3-1.noarch.rpm
glite-rgma-servicetool-config	gLite R-GMA Servicetool configuration files	5.2.2	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.2.2-1.noarch.rpm
glite-rgma-stubs-servlet-java	Java client implementation stubs for R-GMA	5.0.3	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-5.0.3-1.noarch.rpm
glite-security-trustmanager	The java certificate path checkin for proxy certs in SSL with plugins for tomcat and axis.	1.8.2	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.8.2-1.noarch.rpm
glite-security-util-java	The java utilities library for security	1.3.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-util-java-1.3.0-1.noarch.rpm
glite-security-utils-config	gLite Security Utilities configuration files	1.2.2	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.2.2-1.noarch.rpm

4. DEPENDENCIES

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

Component name	Description	Version	File
j2re	Java JRE	1.4.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/j2re-1.4.2_08-linux-i586.rpm

For the list of dependencies of the gLite sub-deployment modules, listed in section 3.1, please see the release notes of the corresponding modules for their list of dependencies.

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>.

- glite 1.5 servicetool does not correctly upgrade 1.4 servicetool.
When upgrading from a running glite 1.4 servicetool to a glite 1.5 servicetool, the old

servicetool process will not be stopped. Subsequent calls to `/etc/init.d/rgma-servicetool stop` will not kill the old process. The result is that the old servicetool will continue to send invalid requests to the server and write errors to the log file. It will not die unless it is killed manually or the machine is rebooted. The `init.d` script for the 1.5 servicetool needs a small modification to recognize the old process when it stops the service.

For the moment it is recommended to stop all services on a node by using the `--stop` command of the configuration scripts before attempting any upgrade.

5.1. KNOWN OPEN BUGS

Bug number	Description
#7574	rgmaservicetool configuration script changeme error
#7575	rgma servicetool configuration script does not exit on error
#7707	Service table WSDL and Semantics links should be URLs
#12262	glite-rgma-servicetool crashes with: stty: standard input: Inappropriate ioctl for device
#13322	rgma servicetool status script ot called bu <code>/etc/init.d/gLite</code>
#13473	the servicetool should publish the StartTime of services
#13661	Obtain R-GMA servicetool service version dynamically via script
#13798	R-GMA Servicetool log entries format and timestamps are not consistent
#14064	R-GMA servicetool does not allow to specify a status script with '='
#14065	glite 1.5 servicetool does not correctly upgrade 1.4 servicetool

5.2. BUGS FIXED IN THIS OR PREVIOUS RELEASES, BUT NOT YET TESTED

Bug number	Description
#7332	Services such as <code>rgma-servicetool</code> are not services.
#7704	Publication rate and LRP for site and service publishers should be configurable
#7706	Service publisher values should not be configurable
#8862	When servicetool endpoints are changed in config they don't seem to update properly
#10387	Servicetool does not kill hanging status scripts
#13349	RGMA: servicetool sends error to screen if server is down

5.3. 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
#7315	R-GMA Servicetool dumps stack traces to stderr



Release Notes

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#7566	rgma.servicetool parameters	
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