

## GLITE SERVICE DISCOVERY

### 1. RELEASE DESCRIPTION

This release contains the gLite Service Discovery 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 Service Discovery, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

#### 2.1. CHANGES IN FUNCTIONALITY

The support for the following parameters has been added to the file based service discovery (see section 2.2 for details):

- URL for WSDL of the service.
- Email address for administrator of the service.
- Site name for this service.
- List of supported vo for this service.
- List of extra parameters for the service.
- List of associated services

#### 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 service discovery.

- An example configuration file that contains all the possible configuration parameter for a file based configuration entry of service discovery has been added (*glite-service-discovery-file-based-example.cfg.xml*).

##### 2.2.1. New configuration parameters

In the file *glite-service-discovery-file-based-example.cfg.xml* you can find the entire set of supported parameters for an instance of a file based service discovery entry. You can use this set to change/update an individual entry in one of your service configuration files (e.g. the UI) in case you use file based service discovery. Most of the parameters however are not mandatory. The following table only contains the new supported configuration values (in comparison to v 1.0.0). Please refer to the file *glite-service-discovery-file-based-example.cfg.xml* for the full set of supported parameters.

File: <i>glite-service-discovery-file-based-example.cfg.xml</i>		
Parameter	Default value	Description
<b>User-defined Parameters</b>		
service-discovery.file.wSDL		URL for WSDL of the service. This parameter is optional. Remove it or leave it empty if you don't want to specify a sitename. <i>Example:</i> <a href="http://myhost:8443/myService/wSDL">http://myhost:8443/myService/wSDL</a> [Type:'string']

service-discovery.file.administration		Email address for administrator of the service. This parameter is optional. Remove it or leave it empty if you don't want to specify a sitename. <i>Example:</i> <a href="http://myhost:8443/myService/administration">http://myhost:8443/myService/administration</a> [Type: 'string']
service-discovery.file.site		Site name for this service. This parameter is optional. Remove it or leave it empty if you don't want to specify a sitename. <i>Example:</i> host.site.org [Type: 'string']
service-discovery.file.vo		List of supported vo for this service. You can specify zero, one or several vo's. This parameter is optional. Remove it or leave it empty if you don't want to specify any vo. <i>Example:</i> EGEE [Type: 'string']
<b>Advanced Parameters</b>		
service-discovery.file.param		List of extra parameters for the service. You can specify zero, one or several entries. The structure for each entry is key=value. This parameter is optional. Remove it or leave it empty if you don't want to specify any extra parameter. <i>Example:</i> param=value [Type: 'string']
service-discovery.file.associatedService		List of associated services. You can specify zero, one or several entries. This parameter is optional. Remove it or leave it empty if you don't want to specify any associated services. <i>Example:</i> MyAssociatedService [Type: 'string']

## 2.2.2. Removed configuration parameters

No configuration parameter has been removed in this release.

## 2.2.3. Changed configuration parameters

No parameter has changed the name or the value in this release.

## 2.3. BUG FIXES

This release introduces a set of bug fixes:

- 9722: Resource with no owner (VO) is now treated as belonging to all VOs
- 9652: Fixed VO query for BDII

For the full list of bug fixes see sections 5.2 and 5.3.

## 3. RELEASE CONTENTS

## 3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite Service Discovery module comprises the following gLite deployment modules:

- glite-service-discovery

## 3.2. GLITE RPMS

The gLite Service Discovery module is composed of the following gLite components (list includes the gLite components of the other used gLite deployment modules listed in section 3.1):

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.4.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.2-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.2-1.noarch.rpm</a>
glite-rgma-api-c	C API for R-GMA	4.1.13	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.13-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-c-4.1.13-1.i386.rpm</a>
glite-rgma-api-cpp	C++ API for R-GMA	4.1.15	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.15-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-rgma-api-cpp-4.1.15-1.i386.rpm</a>
glite-rgma-api-java	Java API for R-GMA	4.1.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-api-java-4.1.5-1.noarch.rpm</a>
glite-rgma-base	R-GMA basic configuration and documentation	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-base-4.1.19-1.noarch.rpm</a>
glite-security-trustmanager	The java certificate path checkin for proxy certs in SSL with plugins for tomcat and axis.	1.7.3	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-trustmanager-1.7.3-1.noarch.rpm</a>
glite-security-util-java	The java utilities library for security	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-util-java-1.1.2-2.noarch.rpm</a>
glite-service-discovery-api-c	C API for Service Discovery.	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-api-c-2.0.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-api-c-2.0.1-0.i386.rpm</a>
glite-service-discovery-api-java	Change me !!!	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-api-java-2.0.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-api-java-2.0.1-1.noarch.rpm</a>
glite-service-discovery-bdii-c	BDII based Service Discovery	2.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-bdii-c-2.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-bdii-c-2.0.2-1.i386.rpm</a>
glite-service-	Service Discovery CLI	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R">http://glite.web.cern.ch/glite/packages/R</a>

discovery-cli			1.4/R20050916/bin/rhel30/i386/RPMS/g lite-service-discovery-cli-2.0.0- 1.i386.rpm
glite-service- discovery-config	gLite Service Discovery installation	1.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-config-1.1.0-1.noarch.rpm</a>
glite-service- discovery-file-c	File based Service Discovery	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-file-c-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-file-c-2.0.0-1.i386.rpm</a>
glite-service- discovery-rgma-c	C API for Service Discovery.	2.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-rgma-c-2.0.2-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-service-discovery-rgma-c-2.0.2-0.i386.rpm</a>
glite-service- discovery-rgma- java	Change me !!!	2.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-rgma-java-2.0.2-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-service-discovery-rgma-java-2.0.2-1.noarch.rpm</a>

## 4. DEPENDENCIES

The gLite Service Discovery module has the following dependencies:

Component name	Version	RPM file name
gLite-essentials-cpp	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.1.1-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.1.1-1_EGEE.i386.rpm</a>
gLite-essentials-java	1.2.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-java-1.2.0-2_EGEE.noarch.rpm</a>
gpt	VDT1.2 .2rh9	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm</a>
vdt_globus_essentials	VDT1.2 .2rh9	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm</a>
vdt_globus_info_essentials	VDT1.2 .2rh9	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_info_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_info_essentials-VDT1.2.2rh9-1.i386.rpm</a>

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 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>.

### 5.1. KNOWN BUGS:

Bug	Description

number	
<a href="#">#9642</a>	<a href="#">glite-sd-query -n with wrong name gives wrong error message</a>
<a href="#">#9674</a>	<a href="#">org.glite.service-discovery-rgma.java has description not set</a>
<a href="#">#10561</a>	<a href="#">mysql Single Catalog has wrong default parameters for the rgma service discovery</a>
<a href="#">#10562</a>	<a href="#">RGMA service discovery does not work on the UI</a>
<a href="#">#10611</a>	<a href="#">SD does not try the second option</a>

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

Bug number	Description
<a href="#">#9720</a>	<a href="#">faulty service discovery settings in glite-ui.cfg.xml</a>
<a href="#">#9722</a>	<a href="#">R-GMA backend: no VO should work with any VO</a>

## 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
<a href="#">#9652</a>	<a href="#">service-discovery.type=file is takes preference</a>
<a href="#">#9653</a>	<a href="#">'file' and 'rgma' SD types do not work with empty GLITE_SD_VO or GLITE_SD_SITE env vars</a>
<a href="#">#9814</a>	<a href="#">Service discovery does not work if GLITE_SD_SITE is set</a>
<a href="#">#10207</a>	<a href="#">FTS: rgma service discovery configuration fails</a>
<a href="#">#10219</a>	<a href="#">serviceDiscovery deployment module generates faulty services.xml file on UI</a>
<a href="#">#10626</a>	<a href="#">service discovery consistent rgma strategy needed</a>