

## GLITE COMPUTING ELEMENT

### 1. RELEASE DESCRIPTION

This release contains the gLite Computing Element module v. 2.1.1. 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 Computing Element, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

#### 2.1. CHANGES IN FUNCTIONALITY

- The DGAS Client has been added to interact with a DGAS Server
- The information provider for the Condor batch system has been added
- A new array parameter (voms.cert.url) has been added to specify the URLs of the certificates of VOMS Servers hosting the VOs supported by the CE node
- A new array parameter (custom.runtime.environment) has been added to allow setting custom GlueHostApplicationSoftwareRunTimeEnvironment entries in the CE info provider file
- Version 6.7.10 of Condor is required by this release of the CE service

#### 2.2. CHANGES IN CONFIGURATION

The following new parameters have been added to the glite-ce.cfg.xml file:

Parameter name	Default value	Description
voms.cert.url	<changeme>	URL from where the VOMS server certificate public key can be downloaded for each VO listed in the voms.voname parameter. If no URL is available for one or more VOs, set the corresponding value to empty string [Example: <a href="http://www.nikhef.nl/VOMS/kuiken.nikhef.nl.pem">http://www.nikhef.nl/VOMS/kuiken.nikhef.nl.pem</a> ] [Type: 'string']
custom.runtime.environment	<empty>	The entries specified in this array parameter are added to the CE info provider file as additional GlueHostApplicationSoftwareRunTimeEnvironment entries. [Example: MY_APP_1_0_0] [Type: 'string']

The following parameters have been changed in the glite-ce.cfg.xml file:

Parameter name	Old value	New value	Description
condor.version	6.7.9	6.7.10	The version of the installed Condor-C libraries
condor.releasedir	/opt/condor-6.7.9	/opt/condor-6.7.10	The location of the Condor package. This path is internally simlinked to /opt/condor-c. This is currently needed by the Condor-C software

The following new parameters have been removed from the glite-ce.cfg.xml file:

Parameter name	Comment
----------------	---------

## 3. RELEASE CONTENTS

### 3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite Computing Element module requires the following sub-modules:

- gLite Security Utilities
- gLite R-GMA Servicetool
- gLite R-GMA GIn
- gLite DGAS Client

The sub-modules are automatically installed with the CE module. For more information about these sub-modules please refer to the specific release notes and installation instructions.

### 3.2. GLITE RPMS

The gLite Computing Element v. 2.1.1 is composed of the following gLite components:

Component name	Description	Version	File
glite-ce-blahp	CE Blahp	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-ce-blahp-1.4.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-ce-blahp-1.4.0-1.i386.rpm</a>
glite-ce-ce-plugin	Monitor plugin for CE management	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-ce-plugin-1.4.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-ce-plugin-1.4.0-1.noarch.rpm</a>
glite-ce-common-java	Common classes for CE-Monitor and CREAM	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-common-java-1.4.0-0.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-common-java-1.4.0-0.noarch.rpm</a>
glite-ce-config	gLite Computing Element node configuration files	2.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-config-2.1.1-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-config-2.1.1-1.noarch.rpm</a>
glite-ce-monitor	CE monitor	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-monitor-1.4.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-monitor-1.4.0-1.noarch.rpm</a>
glite-ce-monitor-api-java	Monitor API for Java	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-monitor-api-java-1.4.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-monitor-api-java-1.4.0-1.noarch.rpm</a>
glite-ce-wsdl	CE wsdl	1.4.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-wsdl-1.4.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-ce-wsdl-1.4.0-1.noarch.rpm</a>
glite-config	gLite configuration scripts	1.4.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-config-1.4.5-1.noarch.rpm</a>
glite-dgas-client-config	gLite dgas client node configuration files	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-dgas-client-config-1.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-dgas-client-config-1.0.0-1.noarch.rpm</a>
glite-dgas-common	DGAS common	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-common-1.1.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-common-1.1.1-1.i386.rpm</a>
glite-dgas-hlr-clients	DGAS HLR clients	1.1.11	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-hlr-clients-1.1.11-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-dgas-hlr-clients-1.1.11-1.i386.rpm</a>
glite-lb-client	L&B client API and tools	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-2.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-2.0.1-1.i386.rpm</a>



# Release Notes

Doc. Identifier:  
release\_notes.doc

Date: 16/09/2005

glite-lb-client-interface	L&B client library header files	2.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.0.0-1.i386.rpm</a>
glite-lb-common	L&B common subroutines library	2.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-common-2.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-common-2.0.1-1.i386.rpm</a>
glite-lb-logger	L&B local logger	1.1.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-logger-1.1.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-lb-logger-1.1.2-1.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-rgma-common-config	gLite rgma common configuration items installation	5.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-common-config-5.0.0-1.noarch.rpm</a>
glite-rgma-gin	R-GMA Gin	4.1.17	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-gin-4.1.17-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-gin-4.1.17-1.noarch.rpm</a>
glite-rgma-gin-config	gLite R-GMA gin installation	5.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-gin-config-5.0.2-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-gin-config-5.0.2-1.noarch.rpm</a>
glite-rgma-servicetool	R-GMA service tool	4.1.19	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-4.1.19-3.noarch.rpm</a>
glite-rgma-servicetool-config	gLite R-GMA servicetool installation	5.1.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-servicetool-config-5.1.0-1.noarch.rpm</a>
glite-rgma-stubs-servlet-java	Java client implementation stubs for R-GMA	4.1.13	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.13-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-rgma-stubs-servlet-java-4.1.13-1.noarch.rpm</a>
glite-security-gatekeeper	The (EDG/gLite) gatekeeper derived from globus_gatekeeper-2.1 (GT 2.2.4)	2.3.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gatekeeper-2.3.0-4.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gatekeeper-2.3.0-4.i386.rpm</a>
glite-security-gsoap-plugin	gSOAP plugin and gss libraries	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.1.1-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.1.1-0.i386.rpm</a>
glite-security-lcas	Local Centre Authorization Service (LCAS)	1.2.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-1.2.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-1.2.4-1.i386.rpm</a>
glite-security-lcas-interface	Public interface to LCAS	1.2.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-interface-1.2.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-interface-1.2.4-1.i386.rpm</a>
glite-security-lcas-plugins-basic	Basic plugins for Local Centre Authorization Service (LCAS)	1.2.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-basic-1.2.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-basic-1.2.4-1.i386.rpm</a>
glite-security-lcas-plugins-voms	VOMS plugins for Local Centre Authorization Service (LCAS)	1.2.4	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-voms-1.2.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-voms-1.2.4-1.i386.rpm</a>
glite-security-lcmaps	Local Credential Mapping Service (LCMAPS)	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-interface	Public interface to LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-interface-without-gsi	Public interface to LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-without-gsi-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-without-gsi-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-plugins-basic	The basic plugins for LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.8-1.i386.rpm</a>
glite-security-lcmaps-plugins-voms	The VOMS plugins for LCMAPS	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.8-1.i386.rpm</a>



# Release Notes

Doc. Identifier:  
release\_notes.doc

Date: 16/09/2005

glite-security-lcmaps-without-gsi	Local Credential Mapping Service (LCMAPS)	1.2.8	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-without-gsi-1.2.8-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-lcmaps-without-gsi-1.2.8-1.i386.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-security-utils-config	gLite Security Utilities configuration files	1.0.6	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.6-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.0.6-1.noarch.rpm</a>
glite-security-voms-api-c		1.6.5	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.3-0.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.3-0.i386.rpm</a>
glite-wms-utils-exception		1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.2-1.i386.rpm</a>
glite-wms-utils-jobid		1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm</a>
glite-wms-utils-tls		1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.4/R20050916/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm</a>

## 4. DEPENDENCIES

The gLite Computing Element module v. 2.1.1 has the following dependencies:

Component name	Version	RPM file name
GPT	VDT 1.2.2	<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	VDT 1.2.2	<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 RM Essentials	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_essentials-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_essentials-VDT1.2.2rh9-1.i386.rpm</a>
VDT Globus RM Server	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_server-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_server-VDT1.2.2rh9-1.i386.rpm</a>
Condor	6.7.9	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.6-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.6-1.i386.rpm</a>
LCG Information Providers Templates	1.0.6	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-templates-1.0.6-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-templates-1.0.6-1.noarch.rpm</a>
LCG Information Generic Provider	1.0.6	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-generic-1.0.6-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-generic-1.0.6-1.noarch.rpm</a>
LCG Information Provider for PBS	1.0.5	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-pbs-1.0.5-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-pbs-1.0.5-1.noarch.rpm</a>
LCG Information Provider for LSF	1.0.3	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-lsf-1.0.3-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-lsf-1.0.3-1.noarch.rpm</a>
LCG Information Provider for Condor	1.1.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-condor-1.1.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-condor-1.1.0-1.noarch.rpm</a>
gt4-ws-core	3.9.4	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gt4-ws-core-3.9.4-2_EGEE.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gt4-ws-core-3.9.4-2_EGEE.noarch.rpm</a>
gt4-workspace-service-tech_preview	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gt4-workspace-service-tech_preview-1.0.0-1_EGEE.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gt4-workspace-service-tech_preview-1.0.0-1_EGEE.noarch.rpm</a>
Tomcat5	5.0.28	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-10_EGEE.noarch.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-10_EGEE.noarch.rpm</a>
Java SDK/JRE	1.4.2	<a href="http://java.sun.com/j2se/1.4.2/download.html">http://java.sun.com/j2se/1.4.2/download.html</a>

## 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=jralmdw>.

- Currently jobs get a full proxy rather than a restricted one as done in LCG. This is needed for multi-hop submission (as e.g. to condor pools but also eventually for CE – CE submission) and apparently GT4 abandoned support for restricted proxies. Security implications need to be better understood. Currently being discussed in the MWSCG (Bug 7425)
- During the execution of the CE configuration script, a number of Globus configuration scripts are executed. One of these scripts outputs the following error (BUG #5992):

[...]

```
running /opt/globus/setup/globus/setup-globus-gram-reporter-fork..[ Changing to
/opt/globus/setup/globus ]
```

```
Setting up fork gram reporter in MDS
```

```
-----
```

```
Error fork GRAM reporter entry jobmanager-fork. Aborting!
```

```
ERROR: Command failed
```

[...]

This error doesn't affect the correct functionality of the CE and can be ignored.

- This release include a tech preview of the GT4 Workspace Service that can be used as an alternative to the pool accounts method for creating and configuring the user execution space. This preview can be activated by using the alternative configuration script `glite-ce-wss-config.py`. This script requires Apache Ant v. 1.6.1 or greater to be installed and properly configured on the server. Please refer to the Apache Ant user manual for the details
- 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 up.

Known open bugs and requests:

Bug number	Description
#8845	CE parameters "cemon.wms.host" and "cemon.wms.port" not clearly described in the Installation Guide (see also #8841)
#9125	blahpd operation intricately tied to pbs logging level
#9518	something in workload management is fragile against unexpected results
#10388	CE: impossible to remove VOs from a CE via the XML configuration file
#10658	error on glite CE 1.3 configuration scripts
#10692	Popen() and pclose() are thread-unsafe
#10693	Memory leaks and possible heap corruption in blahpd
#10798	Existing ACLs on the CE queues are not considered in the matchmaking
#10872	Software TAG publish

Fixed in this or previous releases, but not yet tested:

Bug number	Description
#7050	The ce deployment module stop method does not check if servicetool stops correctly
#7356	glite-ce-config.py --status fails when the configuration is in the central xml file
#7597	./glite-ce-info for condor fails to publish condor queues
#7846	Globus job state file dir in /tmp
#8615	gram_job_state directory shouldn't be in /tmp
#8827	condor user configured by default on CE, WMS, LB
#8864	CE: explicit configuration of WMS names on the CE needed even working in PUSH mode
#9342	CE LCMAPS: Can't alter the VOMSDIR for in the lcmaps.db file through XML conf file
#9343	CE LCMAPS: Can't place the groupmapfile in another directory then the grid-mapfile
#9374	cannot remove pool account creation from config script
#9684	predefinedSubscriptionList.xml in a new location : CEmon doesn't work
#10575	CE Monitor cannot retrieve authorization chain for a WMS cert subject
#10816	glite-ce-config.py wrongly sets GlueHostApplicationSoftwareRunTimeEnvironment to GLITE_1.2

## 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=jralmdw>

Bug number	Description
#5992	glite CE post installation script gives an expected error
#6083	CE ISM Purchaser uses undefined m4 macros
#6563	Tomcat in the CE installer
#6599	group creation in glite ce installer
#6600	CONDOR_IDS setting in CE installer
#6630	Wrong RPMs name in glite-ce_installer.sh coming from N20050204
#6631	Problems running glite-ce-config.py (N20050204 night build)
#6632	Some env variables needed in the CE
#6667	Setup of automated service starting for CE
#7056	The default template for the CE has ambiguous parameter substitutions
#7303	glite CE configuration module should download voms cert
#7736	glite-ce-site config misses parameters
#8414	CE doc
#8841	CE configuration parameter "condor.wms.user" is not correctly described in the Installation Guide
#8873	/etc/init.d/gLite status fails in the CE

---

#8946	forever running jobs on lxb2077 CE	
#9588	CEmon/WMS loosing CEIDs	
#9724	glite-setenv.sh : PBS_SPOOL_DIR	
#9770	Missing " in CEMon notification	
#9807	log parser XML desription in the CE script	
#10142	CE; parameter 'cemon.wms.host.subject' missing in the installation document	
#10214	CEmon not sending any information to WMS : no matching resources	
#10476	the Torque Server/CE deployment script should make sure pooled accounts have interactive login	
#10763	CE not in RB list	