G L I T E   C O M P U T I N G   E L E M E N T

1. RELEASE DESCRIPTION

This release contains the gLite Computing Element module v. 1.2.1. 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

This release includes the following changes:

- Added an GSI-free version of LCMAPS to be used with the GT4 Workspace Service
- Added tech preview of GT4 Workspace Service
- Bug fixes

3. RELEASE CONTENTS

The gLite Computing Element v. 1.2.1 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.ce	1.2.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-ce_installer.sh http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-ce-config-1.2.1-1.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
glite-ce-blahp	1.2.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-blahp-1.2.3-3.i386.rpm
glite-ce-ce-plugin	1.0.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-ce-plugin-1.0.2-1.i386.rpm
glite-ce-monitor	1.0.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-monitor-1.0.2-1.i386.rpm
glite-ce-monitor-api-java	1.0.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-monitor-api-java-1.0.1-1.i386.rpm
glite-ce-wsdl	1.0.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.1-1.i386.rpm
glite-lb-client	1.0.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-client-1.0.1-1.i386.rpm
glite-lb-client-interface	1.0.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.2-1.i386.rpm
glite-lb-common	1.1.4	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-common-1.1.4-1.i386.rpm
glite-lb-logger	1.0.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm
glite-security-gatekeeper	2.3.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-gatekeeper-2.3.0-4.i386.rpm
glite-security-lcas	1.2.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcas-1.2.2-1.i386.rpm
glite-security-lcas-interface	1.2.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcas-interface-1.2.2-1.i386.rpm
glite-security-lcas-plugins-basic	1.2.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-basic-1.2.2-1.i386.rpm

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glite-security-lcas-plugins-voms	1.2.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-voms-1.2.2-1.i386.rpm
glite-security-lcmaps	1.2.4	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.4-1.i386.rpm
glite-security-lcmaps-interface	1.2.4	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.4-1.i386.rpm
glite-security-lcmaps-without-gsi	1.2.4	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcmaps-without-gsi-1.2.4-1.i386.rpm
glite-security-lcmaps-interface-without-gsi	1.2.4	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-without-gsi-1.2.4-1.i386.rpm
glite-security-lcmaps-plugins-basic	1.2.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.3-1.i386.rpm
glite-security-lcmaps-plugins-voms	1.2.3	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.3-1.i386.rpm
glite-security-voms	1.2.32	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-voms-1.2.32-1.i386.rpm
glite-wms-utils-exception	1.0.1	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.1-1.i386.rpm
glite-wms-utils-jobid	1.0.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm
gridsite	1.1.5	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/gridsite-1.1.5-1.i386.rpm

4. DEPENDENCIES

The gLite Computing Element module v. 1.2.1 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	4.2.0	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh
gLite R-GMA GIn	4.0.2	http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh
GPT	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm
VDT Globus Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm
VDT Globus RM Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_essentials-VDT1.2.2rh9-1.i386.rpm
VDT Globus RM Server	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_server-VDT1.2.2rh9-1.i386.rpm
Condor	6.7.6	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.6-1.i386.rpm
Condor-C Executables	6.7.3	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condorc-exec-6.7.3-1_EGEE.i386.rpm
LCG Information Providers Templates	1.0.6	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-templates-1.0.6-1.noarch.rpm
LCG Information Generic Provider	1.0.6	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-generic-1.0.6-1.noarch.rpm
LCG Information Provider for PBS	1.0.5	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-pbs-1.0.5-1.noarch.rpm
LCG Information Provider for LSF	1.0.3	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/lcg-info-dynamic-lsf-1.0.3-1.noarch.rpm
Tomcat5	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-

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		4_EGEE.noarch.rpm
Java SDK/JRE	1.4.2	http://java.sun.com/j2se/1.4.2/download.html

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 .

- 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.
- 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

Known open bugs:

Bug number	Description	
#6442	ability to configure different user and group IDs	
#7356	glite-ce-config.py --status fails when the configuration is in the central xml file	
#7549	uninstall option doesn't work for the CE installer script	
#7580	lots of pbs_status.sh processes in the CE when a job is submitted	
#7597	./glite-ce-info for condor fails to publish condor queues	
#7597	./glite-ce-info for condor fails to publish condor queues	
#7700	Can't execute jobs on NIKHEF CE	

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

Bug	Description	

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number		
#5984	The CE config script assumes LSF is used	
#5985	Instructions for JAVA installation on a CE are missing	
#5992	glite CE post installation script gives an expexted error	
#6083	CE ISM Purchaser uses undefined m4 macros	
#6190	LB local logger doesn't start on the CE node	
#6371	configuration of the CE to support more than one VO	
#6388	glite-ce-config.py fails if an iptable RH-Firewall-1-INPUT already exists	
#6439	Limit of 2048 chars per line in scripts submitted to pbs	
#6563	Tomcat in the CE installer	
#6597	inconsistent behavior of the post-install script for the CE	
#6600	CONDOR_IDS setting in CE installer	
#6625	CE installer doesn't install as /opt/condor-c	
#6626	Wrong setting of JAVA_HOME in /etc/tomcat5/toncat5.conf after installing a CE with the CE installer script	
#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	
#6665	Only 1 GlueCESEBind objectclass provided by CEMon	
#6667	Setup of automated service starting for CE	
#6734	parameter description error in the XML CE postinstall config file	
#6760	predifinedSubscriptionList.xml --> predefinedSubscriptionList.xml	
#6763	VOMS server certificate not installed by CE installer	
#6986	CE configuration script reports an error message with no apparent reasons	
#7050	The ce deployment module stop method does not check if servicetool stops correctly	
#7056	The default template for the CE has ambiguous parameter substitutions	
#7303	glite CE configuration module should download voms cert	
#7407	The Servicetool service doesn't publish the CE Monitor service	

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
#6047	not straightforward structure of the glite CE XML config file
#6377	No mention to LRMS system to be installed
#7302	glite CE deploym config script has a bug (return outside func)
#7304	CE deployment config script crashes (key error)
#7422	j2re on the CE is not enough still

7. PREVIOUS RELEASES

7.1. RELEASE 1.1.0

7.1.1. Release Description

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

7.1.2. Changes in this Release

This release includes the following changes:

- Added installation of R-GMA Service Publisher (glite-rgma-servicetool) to the CE module. CE services are automatically published to the configured R-GMA server
- Bug fixes

7.1.3. Release contents

The gLite Computing Element v. 1.1.0 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.ce	1.1.0	http://glite.web.cern.ch/glite/packages/I20050225/installers/glite-ce_installer.sh http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-ce-config-1.1.0-1.noarch.rpm
org.glite.deployment.config	0.8.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-config-0.8.2-1.noarch.rpm
glite-ce-blahp	1.1.3	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-blahp-1.1.3-3.i386.rpm
glite-ce-ce-plugin	1.0.1	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-ce-plugin-1.0.1-1.i386.rpm
glite-ce-monitor	1.0.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-monitor-1.0.2-1.i386.rpm
glite-ce-monitor-api-java	1.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-monitor-api-java-1.0.0-1.i386.rpm
glite-ce-wsdl	1.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.0-1.i386.rpm
glite-lb-client	1.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-client-1.0.0-1.i386.rpm
glite-lb-client-interface	1.0.1	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.1-1.i386.rpm
glite-lb-common	1.1.3	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-common-1.1.3-1.i386.rpm
glite-lb-logger	1.0.1	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm
glite-security-gatekeeper	2.3.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-gatekeeper-2.3.0-4.i386.rpm
glite-security-lcas	1.2.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i38

		6/RPMS/glite-security-lcas-1.2.2-1.i386.rpm
glite-security-lcas-interface	1.2.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcas-interface-1.2.2-1.i386.rpm
glite-security-lcas-plugins-basic	1.2.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-basic-1.2.2-1.i386.rpm
glite-security-lcas-plugins-voms	1.2.2	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-voms-1.2.2-1.i386.rpm
glite-security-lcmaps	1.2.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.0-1.i386.rpm
glite-security-lcmaps-interface	1.2.1	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.1-1.i386.rpm
glite-security-lcmaps-plugins-basic	1.2.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.0-1.i386.rpm
glite-security-lcmaps-plugins-voms	1.2.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.0-1.i386.rpm
glite-security-voms	1.2.29	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-voms-1.2.29-22.i386.rpm
glite-wms-utils-exception	1.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.0-1.i386.rpm
glite-wms-utils-jobid	1.0.0	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm
gridsite	1.1.5	http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/gridsite-1.1.5-1.i386.rpm

7.1.4. Dependencies

The gLite Computing Element 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
GPT	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm
VDT Globus Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm
VDT Globus RM Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_essentials-VDT1.2.2rh9-1.i386.rpm
VDT Globus RM Server	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_server-VDT1.2.2rh9-1.i386.rpm
Condor	6.7.3	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.3-3.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
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 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.
- 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.

Known open bugs:

Bug number	Description	
#5707	condor installation gives an error	
#6158	change the final output text from the installer scripts	
#6372	misleading output message from the gpt-postinstall script	
#6377	No mention to LRMS system to be installed	
#6442	ability to configure different user and group IDs	
#6630	Wrong RPMs name in glite-ce_installer.sh coming from N20050204	
#6761	There is no test suite for the CE in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6762	There are no test reports provided for the CE in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6986	CE configuration script reports an error message with no apparent reasons	
#7050	The ce deployment module stop method does not check if servicetool stops correctly	
#7056	The default template for the CE has ambiguous parameter substitutions	

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

Bug number	Description	
#5844	configuration scripts do not check for "changeme" values left in the config files	
#5969	Docs on installation of security-utils may conflict with subsequent installation of a CE	
#5984	The CE config script assumes LSF is used	
#5985	Instructions for JAVA installation on a CE are missing	

#5992	glite CE post installation script gives an expexted error	
#6047	not straightforward structure of the glite CE XML config file	
#6083	CE ISM Purchaser uses undefined m4 macros	
#6190	LB local logger doesn't start on the CE node	
#6371	configuration of the CE to support more than one VO	
#6388	glite-ce-config.py fails if an iptable RH-Firewall-1-INPUT already exists	
#6439	Limit of 2048 chars per line in scripts submitted to pbs	
#6563	Tomcat in the CE installer	
#6569	Is tomcat5-5.0.28-3_EGEE rpm ok ?	
#6597	inconsistent behavior of the post-install script for the CE	
#6599	group creation in glite ce installer	
#6600	CONDOR_IDS setting in CE installer	
#6625	CE installer doesn't install as /opt/condor-c	
#6626	Wrong setting of JAVA_HOME in /etc/tomcat5/toncat5.conf after installing a CE with the CE installer script	
#6628	Ownership of /opt/glite/externals/tomcat-5.0.28/webapps/ce-monitor/subscriptions	
#6631	Problems running glite-ce-config.py (N20050204 night build)	
#6632	Some env variables needed in the CE	
#6665	Only 1 GlueCESEBind objectclass provided by CEMon	
#6667	Setup of automated service starting for CE	
#6733	specify the separation character in the CE XML config file	
#6734	parameter description error in the XML CE postinstall config file	
#6737	Strange RPM names in glite-ce_installer.sh coming from I20050204	
#6738	blanks within an XML tag in the config XML files.	
#6760	predifinedSubscriptionList.xml --> predefinedSubscriptionList.xml	
#6763	VOMS server certificate not installed by CE installer	
#6820	tomcat5 requires a --add	

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

7.2. RELEASE 1.0.4

7.2.1. Release Description

This release contains the gLite Computing Element module v. 1.0.4. 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.

7.2.2. Changes in this Release

This release includes the following changes:

- Added installation of gLite Security Utilities as part of the CE module, no need to install it separately
- An inet.d script is now provided and automatically activated to be run at boot-time. This script starts all the required Computing Element services making sure everything is running.
- cemon.wms.host and cemon.wms.port configuration parameters are now arrays to allow notifications to multiple WMS nodes. predefinedSubscriptions.xml file has been also modified to have one subscription tag per wms host. **Please note that this change renders previous versions of the CE configuration file incompatible with the current version of the configuration script.** Make sure you upgrade existing configuration files before using v. 1.0.4 of the CE module.
- Subscriptions expiration date is not hard-coded, but it's always set to six months in the future. and it's reset every time the script is run
- Direct call of CE Monitor wake-up script removed, creation of Tomcat context file added instead
- Fixed a bug that caused only 1 GlueCESEBind objectclass to be generated even if multiple CE-SE bind relationships were defined
- The static subscription file of CEMon is now correctly called predefinedSubscriptionList.xml instead of predifinedSubscriptionList.xml

7.2.3. Release contents

The gLite Computing Element v. 1.0.4 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.ce	1.0.4	http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-ce_installer.sh http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/noarch/RPMS/glite-ce-config-1.0.4-1.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
glite-ce-blahp	1.1.3	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-ce-blahp-1.1.3-3.i386.rpm
glite-ce-ce-plugin	1.0.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-ce-ce-plugin-1.0.1-1.i386.rpm
glite-ce-monitor	1.0.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-ce-monitor-1.0.2-1.i386.rpm
glite-ce-monitor-api-java	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-ce-monitor-api-java-1.0.0-1.i386.rpm
glite-ce-wsdl	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.0-1.i386.rpm
glite-lb-client	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-lb-client-1.0.0-1.i386.rpm
glite-lb-client-interface	1.0.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.1-1.i386.rpm
glite-lb-common	1.1.3	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i38

		6/RPMS/glite-lb-common-1.1.3-1.i386.rpm
glite-lb-logger	1.0.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm
glite-security-gatekeeper	2.3.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-gatekeeper-2.3.0-4.i386.rpm
glite-security-lcas	1.2.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcas-1.2.2-1.i386.rpm
glite-security-lcas-interface	1.2.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcas-interface-1.2.2-1.i386.rpm
glite-security-lcas-plugins-basic	1.2.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-basic-1.2.2-1.i386.rpm
glite-security-lcas-plugins-voms	1.2.2	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcas-plugins-voms-1.2.2-1.i386.rpm
glite-security-lcmaps	1.2.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcmaps-1.2.0-1.i386.rpm
glite-security-lcmaps-interface	1.2.1	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcmaps-interface-1.2.1-1.i386.rpm
glite-security-lcmaps-plugins-basic	1.2.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-basic-1.2.0-1.i386.rpm
glite-security-lcmaps-plugins-voms	1.2.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-lcmaps-plugins-voms-1.2.0-1.i386.rpm
glite-security-voms	1.2.27	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-security-voms-1.2.27-22.i386.rpm
glite-wms-utils-exception	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.0-1.i386.rpm
glite-wms-utils-jobid	1.0.0	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm
gridsite	1.1.5	http://glite.web.cern.ch/glite/packages/I20050218/bin/rhel30/i386/RPMS/gridsite-1.1.5-1.i386.rpm

7.2.4. Dependencies

The gLite Computing Element 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
GPT	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm
VDT Globus Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm
VDT Globus RM Essentials	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_essentials-VDT1.2.2rh9-1.i386.rpm
VDT Globus RM Server	VDT 1.2.2	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_rm_server-VDT1.2.2rh9-1.i386.rpm
Condor	6.7.3	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.3-3.i386.rpm

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Tomcat5	5.0.28	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/tomcat5-5.0.28-4_EGEE.noarch.rpm
Java SDK/JRE	1.4.2	http://java.sun.com/j2se/1.4.2/download.html

7.2.5. 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 .

- 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.
- 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.
- During the execution of the configuration script a number of warnings like the following one are displayed:

  The warning are due to an internal change in the way variable substitutions in the configuration file are checked. The warning can be ignored and will disappear in a future release

Known open bugs:

Bug number	Description	
#5707	condor installation gives an error	
#6158	change the final output text from the installer scripts	
#6372	misleading output message from the gpt-postinstall script	
#6377	No mention to LRMS system to be installed	
#6442	ability to configure different user and group IDs	
#6630	Wrong RPMs name in glite-ce_installer.sh coming from N20050204	
#6761	There is no test suite for the CE in gLite v1.0.6 RC1 (Integration Build I20050204)	
#6762	There are no test reports provided for the CE in gLite v1.0.6 RC1 (Integration Build I20050204)	

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#6986	CE configuration script reports an error message with no apparent reasons	
#7050	The ce deployment module stop method does not check if servicetool stops correctly	
#7056	The default template for the CE has ambiguous parameter substitutions	

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

Bug number	Description	
#5844	configuration scripts do not check for "changeme" values left in the config files	
#5969	Docs on installation of security-utils may conflict with subsequent installation of a CE	
#5984	The CE config script assumes LSF is used	
#5985	Instructions for JAVA installation on a CE are missing	
#5992	glite CE post installation script gives an expexted error	
#6047	not straightforward structure of the glite CE XML config file	
#6083	CE ISM Purchaser uses undefined m4 macros	
#6190	LB local logger doesn't start on the CE node	
#6371	configuration of the CE to support more than one VO	
#6388	glite-ce-config.py fails if an iptable RH-Firewall-1-INPUT already exists	
#6439	Limit of 2048 chars per line in scripts submitted to pbs	
#6563	Tomcat in the CE installer	
#6569	Is tomcat5-5.0.28-3_EGEE rpm ok ?	
#6597	inconsistent behavior of the post-install script for the CE	
#6599	group creation in glite ce installer	
#6600	CONDOR_IDS setting in CE installer	
#6625	CE installer doesn't install as /opt/condor-c	
#6626	Wrong setting of JAVA_HOME in /etc/tomcat5/toncat5.conf after installing a CE with the CE installer script	
#6628	Ownership of /opt/glite/externals/tomcat-5.0.28/webapps/ce-monitor/subscriptions	
#6631	Problems running glite-ce-config.py (N20050204 night build)	
#6632	Some env variables needed in the CE	
#6665	Only 1 GlueCESEBind objectclass provided by CEMon	
#6667	Setup of automated service starting for CE	
#6733	specify the separation character in the CE XML config file	
#6734	parameter description error in the XML CE postinstall config file	
#6737	Strange RPM names in glite-ce_installer.sh coming from I20050204	
#6738	blanks within an XML tag in the config XML files.	
#6760	predifinedSubscriptionList.xml --> predefinedSubscriptionList.xml	
#6763	VOMS server certificate not installed by CE installer	
#6820	tomcat5 requires a --add	

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
#6335	missing step in the gLite Installation Guide
#6369	missing end of line in .bashrc and .bash_profile files
#6374	suspect layout of the file glite-ce-parameters.cfg
#6376	firewall configuration fails and stops the execution of the scripts
#6379	incorrect description of the 'voms.voname' parameter
#6691	the grid-mapfile on the CE is wrongly generated by the postinstall script
#6733	specify the separation character in the CE XML config file
#6738	blanks within an XML tag in the config XML files.