Release Notes

GLITE LOGGING & BOOKKEEPING SERVER

1. RELEASE DESCRIPTION

This release contains the gLite Logging & Bookkeeping Server 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 Logging & Bookkeeping Server, please refer to the gLite Installation and User Guides.

2. CHANGES IN THIS RELEASE

2.1. CHANGES IN FUNCTIONALITY

There are no functional changes in this release.

2.2. CHANGES IN CONFIGURATION

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

Parameter name	Default value	Description
rgma.servicetool.activate	true	Turn on/off servicetool for the node. [Example: true] [Type: 'boolean']
set.mysql.root.password	false	If this parameter is true, then the root password of the mysql database is set to the value specified in mysql.root.password if it not yet set. This parameter has no effect if the database root password is already set. It can be used to ease automated installation and configuration of the service, if mysql is not managed in some other way. [Example: false][Type: boolean]
mysql.max_allowed_packet	17	This parameter allows to set the max_allowed_packet parameter in the mysql configuration file /etc/my.cnf. The default recommended value for the LB server is 17MB. [Example: 17][Type: Integer][Unit: MB]

The R-GMA Service Publisher (aka R-GMA servicetool) parameters are now automatically handled by the configuration script and do not need to be explicitly set anymore in the configuration file. The parameters can be set in the configuration file to override the default values.

3. RELEASE CONTENTS

3.1. GLITE SUB-DEPLOYMENT MODULES

The gLite Logging and Bookkeeping module requires the following sub-modules:

- gLite Security Utilities
- gLite R-GMA Servicetool

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

3.2. GLITE RPMS

The gLite Logging & Bookkeeping Server v. 2.1.1 is composed of the following gLite components:

Component name	Description	Version	File
glite-config	gLite configuration scripts	1.6.20	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-config-1.6.20-1.noarch.rpm
glite-jp-common		1.1.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-jp-common-1.1.0-1.i386.rpm
glite-jp-primary		1.1.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-jp-primary-1.1.1-1.i386.rpm
glite-jp-server-common		1.0.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-jp-server-common-1.0.0-1.i386.rpm
glite-jp-ws-interface		1.1.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-jp-ws-interface-1.1.0-0.i386.rpm
glite-lb-client-interface	L&B client library header files	2.1.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-client-interface-2.1.0-1.i386.rpm
glite-lb-common	L&B common subroutines library	3.0.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-common-3.0.1-1.i386.rpm
glite-lb-logger	L&B local logger	1.2.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-logger-1.2.1-1.i386.rpm
glite-lb-server	L&B bookkeeping server	1.3.3	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-server-1.3.3-1.i386.rpm
glite-lb-server-bones	L&B server bones	2.1.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-server-bones-2.1.1-1.i386.rpm
glite-lb-ws-interface		2.1.0	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-lb-ws-interface-2.1.0-1.i386.rpm
glite-rgma-servicetool-config	gLite R-GMA servicetool installation	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-security-gsoap-plugin	gSOAP plugin and gss libraries	1.2.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-gsoap-plugin-1.2.1-0.i386.rpm
glite-security-utils-config	gLite Security Utilities configuration files	1.2.1	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/noarch/RPMS/glite-security-utils-config-1.2.1-1.noarch.rpm
glite-security-voms-api-c		1.6.10	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-security-voms-api-c-1.6.10-0.i386.rpm
glite-wms-utils-exception		1.0.3	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.3-1.i386.rpm
glite-wms-utils-jobid		1.0.2	http://glite.web.cern.ch/glite/packages/R1.5/R20051130/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.2-1.i386.rpm
gridsite	GridSite	1.1.15	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gridsite-1.1.15-1.i386.rpm

4. DEPENDENCIES

The gLite Logging & Bookkeeping Server v. 2.1.1 module has the following dependencies:

Component name	Description	Version	RPM file name

c-ares	A library that performs asynchronous DNS operations	1.3.0	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/c-ares-1.3.0-1.slc3.i386.rpm
gpt	The Grid Packaging Toolkit (GPT)	VDT1.2.2rh9	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/gpt-VDT1.2.2rh9-1.i386.rpm
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
myproxy	Credential repository for the Grid.	1.14	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm
MySQL-client	MySQL - Client	4.1.11	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.1.11-0.i386.rpm
MySQL-server	MySQL	4.1.11	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-server-4.1.11-0.i386.rpm
perl-Expect.pm	Expect.pm module for perl (./id/A/AU/AUSCHUTZ)	1.01	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm
vdt_globus_essentials	Virtual Data Toolkit	VDT1.2.2rh9	http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_essentials-VDT1.2.2rh9-1.i386.rpm

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 .

- There is an infinite loop during the initialization of the LB_Events data structure
- 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.

Known open bugs:

Bug number	Description	
#7324	lb-bkserver is running with no pid	
#9701	erroneous rpath in several shared objects	
#9777	unable to get logging-info -2 info for 1000 jobs	
#10781	Missing the timestamps of 'Scheduled' and 'Running' status	
#11535	Job submission extremely slow	
#13418	problem in computing status (of resubmitted jobs)	
#13492	Job State Information Log File	
#13832	Default mysql configuration imposes unnecessary limits on LB server	
#13879	Some data do not propagate from lbproxy to bkserver...	
#13929	The glite-lb-bkserverd has wrong default for var directory	
#13951	lb proxy sends garbage response on error	
#13988	Failed to start glite-lb-locallogger on glite 1.4.1	
#14247	No events are found querying LB for events satisfying jobid and source instance	
#14339	Wrong computing state when proxy expires	

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

Bug number	Description	
#7307	lb config script does _not_ fail if mysql root password is set	
#7305	lb.database.username paramenter in config file	
#7300	update of the lb instructions at the end of the installer script	
#7053	LB configuration fails if the mysql root pwd is set	
#13928	org.glite.lb.server depends on full VOMS package instead of individual APIs packages	
#13048	interlogger does not handle errors from bookkeeping server	
#12648	The memory usage of one LB process keeps growing	
#11387	LBProxy SIGSEGV	
#11050	Too heavy locallogger retry strategy	
#9183	Broken connections in LB contect connection pool	
#9135	The interlogd has problem sending event to the LB server	
#8630	EDG_WL_* variables in LB library	
#7910	Duplicate apostroph in MySQL calls	
#11509	glite-lb-config.py overwrites HOSTNAME_org.glite.wms.workloadmanager.service with the wrong WMS version	
#10686	MySQL library fails on hostnames containing dashes	

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	
#6722	glite-job-status -all doesn't work	
#7237	Intermittent errors with job submission	
#9148	Job stays 'Submitted' forever	
#10730	Error on glite-job-submit	