

## GLITE WORKLOAD MANAGEMENT SYSTEM

### 1. RELEASE DESCRIPTION

This release contains the gLite Workload Management System module v. 1.0.6. 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 Workload Management System, please refer to the gLite Installation and User Guides.

### 2. CHANGES IN THIS RELEASE

This release introduces the following changes:

- Support for handling correctly the renewal of VOMS proxies has been added. This also requires the use of a new version of Condor (6.7.6)
- Bug fixes (please refer to the bug fixes list below)

### 3. RELEASE CONTENTS

The gLite Workload Management System v. 1.0.6 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.wms	1.0.6	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-wms_installer.sh">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-wms_installer.sh</a> <a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-wms-config-1.0.6-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-wms-config-1.0.6-1.noarch.rpm</a>
org.glite.deployment.config	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-config-1.0.0-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/noarch/RPMS/glite-config-1.0.0-1.noarch.rpm</a>
glite-ce-monitor-client-api-c	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-monitor-client-api-c-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-monitor-client-api-c-1.0.2-1.i386.rpm</a>
glite-ce-wsdl	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.1-1.i386.rpm</a>
glite-lb-client	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-client-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-client-1.0.0-1.i386.rpm</a>
glite-lb-client-interface	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.1-1.i386.rpm</a>
glite-lb-common	1.1.3	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-common-1.1.3-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-common-1.1.3-1.i386.rpm</a>
glite-lb-logger	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm</a>
glite-security-proxyrenewal	1.0.11	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-proxyrenewal-1.0.11-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-proxyrenewal-1.0.11-1.i386.rpm</a>
glite-security-voms	1.2.32	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-voms-1.2.32-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-security-voms-1.2.32-1.i386.rpm</a>
glite-wms-broker	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-broker-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-broker-1.0.0-1.i386.rpm</a>
glite-wms-brokerinfo	1.0.3	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-1.0.3-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-1.0.3-1.i386.rpm</a>
glite-wms-brokerinfo-access	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.0.0-1.i386.rpm</a>
glite-wms-classad_plugin	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-classad_plugin-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-classad_plugin-1.0.0-1.i386.rpm</a>



# Release Notes

Doc. Identifier:  
release\_notes.doc

Date: 31/03/2005

glite-wms-common	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-common-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-common-1.0.2-1.i386.rpm</a>
glite-wms-configuration	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-configuration-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-configuration-1.0.2-1.i386.rpm</a>
glite-wms-helper	1.0.4	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-helper-1.0.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-helper-1.0.4-1.i386.rpm</a>
glite-wms-ism	1.0.6	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-ism-1.0.6-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-ism-1.0.6-2.i386.rpm</a>
glite-wms-jdl	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-jdl-1.1.1-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-jdl-1.1.1-2.i386.rpm</a>
glite-wms-jobsubmission	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-jobsubmission-1.0.1-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-jobsubmission-1.0.1-2.i386.rpm</a>
glite-wms-manager	1.0.4	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-1.0.4-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-1.0.4-1.i386.rpm</a>
glite-wms-manager-ns-commands	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-commands-1.0.2-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-commands-1.0.2-2.i386.rpm</a>
glite-wms-manager-ns-common	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-common-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-common-1.0.0-1.i386.rpm</a>
glite-wms-manager-ns-daemon	1.0.5	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-daemon-1.0.5-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-daemon-1.0.5-2.i386.rpm</a>
glite-wms-manager-ns-fsm	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-fsm-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-fsm-1.0.0-1.i386.rpm</a>
glite-wms-manager-ns-versions	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-versions-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-manager-ns-versions-1.0.0-1.i386.rpm</a>
glite-wms-matchmaking	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-matchmaking-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-matchmaking-1.0.2-1.i386.rpm</a>
glite-wms-purger	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-purger-1.0.2-2.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-purger-1.0.2-2.i386.rpm</a>
glite-wms-rls	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-rls-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-rls-1.0.0-1.i386.rpm</a>
glite-wms-thirdparty-globus_gridftp_server	1.5.2	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-thirdparty-globus_gridftp_server-1.5.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-thirdparty-globus_gridftp_server-1.5.2-1.i386.rpm</a>
glite-wms-utils-exception	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.1-1.i386.rpm</a>
glite-wms-utils-jobid	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/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/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.1-1.i386.rpm</a>

## 4. DEPENDENCIES

The gLite Workload Management System module v. 1.0.6 has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh</a>
gLite R-GMA Service Publisher	4.2.0	<a href="http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh">http://glite.web.cern.ch/glite/packages/R1.0/R20050331/installers/glite-security-utils_installer.sh</a>
gLite C/C++ Essentials	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm</a>
Ares	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/ares-1.1.1-EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/ares-1.1.1-EGEE.i386.rpm</a>
Condor	6.7.6	<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>
Condor-C Executables	6.7.3	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condorc-">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condorc-</a>

		<a href="#">exec-6.7.3-1_EGEE.i386.rpm</a>
EDG Replica Manager Client Suite	2.3.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-replica-manager-client-cpp_gcc3_2_2-norgma_suite-2.3.1-1_sl3_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-replica-manager-client-cpp_gcc3_2_2-norgma_suite-2.3.1-1_sl3_EGEE.i386.rpm</a>
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>
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>
myproxy	1.14	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm</a>
MySQL-client	4.0.20	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.0.20-0.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.0.20-0.i386.rpm</a>
perl-Expect.pm	1.01	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/perl-Expect.pm-1.01-9.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 Information Service Essentials	VDT 1.2.2	<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>
VDT Globus SDK	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_sdk-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_sdk-VDT1.2.2rh9-1.i386.rpm</a>

## 5. KNOWN BUGS AND ISSUES

This release has the following 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=jralmdw>.

- 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.
- In order to use MyProxy and the proxy renewal functionality it is necessary to configure WMS to use a VOMS server. This operation is currently not done by the configuration script. It is necessary to create the file `/opt/glite/etc/vomses` containing one line for each supported VO, like:

```
"EGEE" "kuiken.nikhef.nl" "15001"
"/O=dutchgrid/O=hosts/OU=nikhef.nl/CN=kuiken.nikhef.nl" "EGEE"
```

and copy the VOMS Server certificate (public key) in

```
/etc/grid-security/vomsdir/
```

- The WMS system cannot at the moment submit jobs to a CE using Condor as a batch system ('vanilla' universe). This will be fixed in a future release

Known open bugs:

Bug number	Description	
#5278	lack of logging information for the workload_manager daemon	
#6031	/tmp/glitewms/workload_manager/input.fl file on WMS - reconfiguration	
#6322	Unable to build org.glite.wms.ism due to wrong gsoap.m4	

#6417	faulty message when stopping the CondorG on the WMS	
#6462	"de-/home/dimeglio-fication" of all WMS-reletd log files	
#7017	The directory /opt/glite/var and its subdirs are not created when installing WMS	
#7097	Wrong status (or error message) if file does not exist in StorageIndex	
#7227	Matching fails if the StorageIndex string is embedded in curly braces	
#7231	DAG submission is stricter with JDL syntax	
#7232	Codor problem with DAGs	
#7244	Jobs stuck in WAITING	
#7312	ERROR when submitting jobs	
#7461	The default VO is not read by glite-job-submit, glite-job-list-match	
#7483	Matchmaking & Data Management (?)	
#7656	Submission to WMS does not work today afternoon	
#7691	missing VOMS configuration on the WMS node	

Fixed in this release, but not yet tested:

Bug number	Description	
#4588	all but two wms rpms have 0.0.0.0 version numbers and no summary	
#4630	no licence file anywhere in rpm	
#4631	conflicting files in packages	
#4938	glite-wms-utils-thirdparty-globus_ssl_utils has now a dot and not a dash	
#5094	condor_master should be started as edguser	
#5115	Can't submit jobs - authorization failure	
#5361	Cannot submit job to gundam	
#5832	using an expired certificate and a valid proxy kills the NS	
#5869	A bug that is very easy to fix	
#5977	Job seem not run on testbed and remain in state Waiting	
#6351	Installation Guide: WMS installation script is named incorrectly	
#6362	Cannot submit jobs to WMS	
#6397	WMS Network Server daemon has a non standard name	
#6453	Network Server killed by a glite-job-list-match	
#6553	WMS problem. Job submission fails with the following error: Error while calling the "NSClient::multi" native api	
#6558	Jobs on the prototype fail	
#6578	Sometimes jobs are aborted without obvious reason (for me)	
#6583	bug in the WMS installation script related to the ftpaccess file	
#6586	JDL & Datamanagement	
#6613	Missing time zone in job logging info	
#6614	The lastUpdateTime value in job status report is using timezone CEST	
#6633	/opt/glite/etc/init.d/glite-proxy-renewd status always reports the process as running, even when it	

	is not	
#6650	glite-wms-ns status returns error code 0 when it's not running	
#6651	glite-wms-lm status returns error code 0 when it's not running	
#6652	The glite-wms-check-daemons.sh script contains various problems	
#6655	WMS stuck since Saturday ?	
#6682	Problems with input data based matchmaking	
#6700	Jobs were hanged too long	
#6768	Job failure rate raising sharply since today about 11:00	
#6778	Crash on invalid JDL	
#6793	Cannot specify JDL with access to StorageIndex	
#6813	Failed to submit a job	
#6926	error in the section '5. Known bugs and issues' of the release notes of WMS	
#7026	Problem submitting DAG Jobs	
#7083	API_NATIVE_ERROR occurs when executing glite-job-submit	
#7151	There are conflicts when installing WMS and LB on the same node	
#7171	WMS startup fails with "Configuration problem: cannot parse configuration"	
#7203	We cannot run interactive jobs	
#7253	Job submission fails with an "aborted" error and "Cannot download .BrokerInfo" in /var/log/glite/logmonitor_events.log	
#7254	job submission fails with error "Error: NS_SUBMIT_FAIL"	
#7475	need to add a check on user groups on the WMS depl module	
#7490	GLITE_LOCATION on the Prototype	
#7493	0 success rate while running example of physics analysis application	
#7544	recreation of pool accounts fails on WMS node	
#7573	/etc/rc.d/init.d/gLite stop in the WMS node does not stop all the services	

## 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
#6021	Errors in /etc/globus.conf when rerunning wms configuration script
#6023	wms configuration script does not create the gridmap file
#6355	WMS module doesn't properly check and set return codes when starting services
#6548	WMS installer adds GLITE_WMS_USER to the wrong group
#6664	the WMS installer script crashes immediately -missing ""
#6692	the workload manager doesn't start
#7230	/etc/init.d/gLite stop crashes since glite-wms-check-daemons.cron is not there on the WMS node



# Release Notes

*Doc. Identifier:*  
release\_notes.doc

*Date:* 31/03/2005

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#7313	glite WMS deploym script - weird error message
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## 7. PREVIOUS RELEASES

### 7.1. RELEASE 1.0.4

#### 7.1.1. Release Description

This release contains the gLite Workload Management System module v. 1.0.4. 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 Workload Management System, please refer to the gLite Installation and User Guides.

#### 7.1.2. Changes in this Release

This release introduces the following changes:

- If a stale lock file exist, LogMonitor doesn't start. The configuration scripts has been modified to check for and remove the stale lock files
- Implemented better parsing and writing of ClassAds in the python configuration script
- Fixed a problem in generating the glite\_wms.conf CeMonitorServices entry when no CE endpoint is given
- Bug fixes (please refer to the bug fixes list below)

#### 7.1.3. Release contents

The gLite Workload Management System v. 1.0.4 is composed of the following gLite components:

Component name	Version	File
org.glite.deployment.wms	1.0.4	<a href="http://glite.web.cern.ch/glite/packages/I20050225/installers/glite-wms_installer.sh">http://glite.web.cern.ch/glite/packages/I20050225/installers/glite-wms_installer.sh</a> <a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-wms-config-1.0.4-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-wms-config-1.0.4-1.noarch.rpm</a>
org.glite.deployment.conf	0.8.2	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-config-0.8.2-1.noarch.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/noarch/RPMS/glite-config-0.8.2-1.noarch.rpm</a>
glite-ce-monitor-client-api-c	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-monitor-client-api-c-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-monitor-client-api-c-1.0.2-1.i386.rpm</a>
glite-ce-wsdl	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-ce-wsdl-1.0.0-1.i386.rpm</a>
glite-lb-client	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-client-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-client-1.0.0-1.i386.rpm</a>
glite-lb-client-interface	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-client-interface-1.0.1-1.i386.rpm</a>
glite-lb-common	1.1.3	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-common-1.1.3-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-common-1.1.3-1.i386.rpm</a>
glite-lb-logger	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-lb-logger-1.0.1-1.i386.rpm</a>
glite-security-proxyrenewal	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-proxyrenewal-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-security-proxyrenewal-1.0.1-1.i386.rpm</a>
glite-wms-broker	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-broker-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-broker-1.0.0-1.i386.rpm</a>

glite-wms-brokerinfo	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-1.0.0-1.i386.rpm</a>
glite-wms-brokerinfo-access	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-brokerinfo-access-1.0.0-1.i386.rpm</a>
glite-wms-classad_plugin	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-classad_plugin-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-classad_plugin-1.0.0-1.i386.rpm</a>
glite-wms-common	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-common-1.0.1-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-common-1.0.1-1.i386.rpm</a>
glite-wms-configuration	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-configuration-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-configuration-1.0.0-1.i386.rpm</a>
glite-wms-helper	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-helper-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-helper-1.0.2-1.i386.rpm</a>
glite-wms-ism	1.0.3	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-ism-1.0.3-2.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-ism-1.0.3-2.i386.rpm</a>
glite-wms-jdl	1.0.1	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-jdl-1.0.1-2.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-jdl-1.0.1-2.i386.rpm</a>
glite-wms-jobsubmission	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-jobsubmission-1.0.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-jobsubmission-1.0.0-2.i386.rpm</a>
glite-wms-manager	1.0.3	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-1.0.3-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-1.0.3-1.i386.rpm</a>
glite-wms-manager-ns-commands	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-commands-1.0.0-2.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-commands-1.0.0-2.i386.rpm</a>
glite-wms-manager-ns-common	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-common-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-common-1.0.0-1.i386.rpm</a>
glite-wms-manager-ns-daemon	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-daemon-1.0.2-2.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-daemon-1.0.2-2.i386.rpm</a>
glite-wms-manager-ns-fsm	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-fsm-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-fsm-1.0.0-1.i386.rpm</a>
glite-wms-manager-ns-versions	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-versions-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-manager-ns-versions-1.0.0-1.i386.rpm</a>
glite-wms-matchmaking	1.0.2	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-matchmaking-1.0.2-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-matchmaking-1.0.2-1.i386.rpm</a>
glite-wms-purger	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-purger-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-purger-1.0.0-1.i386.rpm</a>
glite-wms-rls	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-rls-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-rls-1.0.0-1.i386.rpm</a>
glite-wms-thirdparty-globus_gridftp_server	1.5.1	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-thirdparty-globus_gridftp_server-1.5.1-6.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-thirdparty-globus_gridftp_server-1.5.1-6.i386.rpm</a>
glite-wms-utils-exception	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-exception-1.0.0-1.i386.rpm</a>
glite-wms-utils-jobid	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-jobid-1.0.0-1.i386.rpm</a>
glite-wms-utils-tls	1.0.0	<a href="http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.0-1.i386.rpm">http://glite.web.cern.ch/glite/packages/I20050225/bin/rhel30/i386/RPMS/glite-wms-utils-tls-1.0.0-1.i386.rpm</a>

## 7.1.4. Dependencies



The gLite Workload Management System module v, 1.0.4 has the following dependencies:

Component name	Version	RPM file name
gLite Security Utilities	0.6.1	<a href="http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-security-utils_installer.sh">http://glite.web.cern.ch/glite/packages/I20050218/installers/glite-security-utils_installer.sh</a>
gLite C/C++ Essentials	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/glite-essentials-cpp-1.1.1-1_EGEE.i386.rpm</a>
Ares	1.1.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/ares-1.1.1-EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/ares-1.1.1-EGEE.i386.rpm</a>
Condor	6.7.3	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.3-3.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/condor-6.7.3-3.i386.rpm</a>
EDG Replica Manager Client Suite	2.3.1	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-replica-manager-client-cpp_gcc3_2_2-norgma_suite-2.3.1-1_sl3_EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/edg-replica-manager-client-cpp_gcc3_2_2-norgma_suite-2.3.1-1_sl3_EGEE.i386.rpm</a>
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>
Java SDK/JRE	1.4.2_xx (xx >= 04)	<a href="http://java.sun.com/j2se/1.4.2/download.html">http://java.sun.com/j2se/1.4.2/download.html</a>
myproxy	1.14	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/myproxy-1.14-EGEE.i386.rpm</a>
MySQL-client	4.0.20	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.0.20-0.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/MySQL-client-4.0.20-0.i386.rpm</a>
perl-Expect.pm	1.01	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/per-Expect.pm-1.01-9.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/per-Expect.pm-1.01-9.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 Information Service Essentials	VDT 1.2.2	<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>
VDT Globus SDK	VDT 1.2.2	<a href="http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_sdk-VDT1.2.2rh9-1.i386.rpm">http://glite.web.cern.ch/glite/packages/externals/bin/rhel30/RPMS/vdt_globus_sdk-VDT1.2.2rh9-1.i386.rpm</a>

### 7.1.5. Known bugs and issues

This release has the following 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=jralmdw>.

- 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.
- The WMS system cannot at the moment submit jobs to a CE using Condor as a batch system ('vanilla' universe). This will be fixed in a future release
- Condor doesn't support proxy renewal. This has been submitted to the Condor development team. A new version supporting the functionality is being tested now. For the moment a workaround is to use long-lasting proxies.

Known open bugs:

Bug number	Description
#5278	lack of logging information for the workload_manager daemon
#6322	Unable to build org.glite.wms.ism due to wrong gsoap.m4
#6397	WMS Network Server daemon has a non standard name
#6417	faulty message when stopping the CondorG on the WMS
#6438	glite-job-list-mat hangs. nothing happens.
#6453	Network Server killed by a glite-job-list-match
#6462	"de-/home/dimeglio-fication" of all WMS-reletd log files
#6596	Transient problems with VOMS proxies on the WMS UI
#6613	Missing time zone in job logging info
#6614	The lastUpdateTime value in job status report is using timezone CEST
#6633	/opt/glite/etc/init.d/glite-proxy-renewd status always reports the process as running, even when it is not
#6650	glite-wms-ns status returns error code 0 when it's not running
#6651	glite-wms-lm status returns error code 0 when it's not running
#6652	The glite-wms-check-daemons.sh script contains various problems
#6682	Problems with input data based matchmaking
#6692	the workload manager doesn't start
#6700	Jobs were hanged too long
#6715	Possible wrong tag of org.glite.wms-ui.cli-python module used for Ibuild
#6768	Job failure rate raising sharply since today about 11:00
#6778	Crash on invalid JDL
#6793	Cannot specify JDL with access to StorageIndex
#6804	Output directory on UI was created but no output inside
#6807	DAG job problem
#6813	Failed to submit a job
#7017	The directory /opt/glite/var and its subdirs are not created when installing WMS
#7026	Problem submitting DAG Jobs
#7083	API_NATIVE_ERROR occurs when executing glite-job-submit
#7097	Wrong status (or error message) if file does not exist in StorageIndex
#7110	Spurious log file from glite-job-submit
#7132	non existing C++ API include file
#7140	glite-job-list-match gets stuck
#7151	There are conflicts when installing WMS and LB on the same node
#7203	We cannot run interactive jobs
#7209	no man pages for WMS commands

#7210	in-line help broken for glite-job-logging-info and -job-output	
#7211	WMS in-line help pager produces bad page breaks and poor formatting	
#7227	Matching fails if the StorageIndex string is embedded in curly braces	
#7230	/etc/init.d/gLite stop crashes since glite-wms-check-daemons.cron is not there on the WMS node	
#7231	DAG submission is stricter with JDL syntax	
#7232	Codor problem with DAGs	
#7244	Jobs stuck in WAITING	
#7253	Job submission fails with an "aborted" error and "Cannot download .BrokerInfo" in /var/log/glite/logmonitor_events.log	
#7254	job submission fails with error "Error: NS_SUBMIT_FAIL"	

Fixed in this release, but not yet tested:

Bug number	Description	
#4588	all but two wms rpms have 0.0.0.0 version numbers and no summary	
#4630	no licence file anywhere in rpm	
#4631	conflicting files in packages	
#4893	WMS UI crashes with edg-job-status -all	
#4938	glite-wms-utils-thirdparty-globus_ssl_utils has now a dot and not a dash	
#5089	Use of LCG-2 UI with glite does not work with pbs/blah CE	
#5094	condor_master should be started as edguser	
#5115	Can't submit jobs - authorization failure	
#5361	Cannot submit job to gundam	
#5832	using an expired certificate and a valid proxy kills the NS	
#5869	A bug that is very easy to fix	
#5977	Job seem not run on testbed and remain in state Waiting	
#6021	Errors in /etc/globus.conf when rerunning wms configuration script	
#6023	wms configuration script does not create the gridmap file	
#6031	/tmp/glitewms/workload_manager/input.fl file on WMS - reconfiguration	
#6059	glite-job-list-match gives IOException error	
#6081	Crash command script edg-job-submit?	
#6351	Installation Guide: WMS installation script is named incorrectly	
#6355	WMS module doesn't properly check and set return codes when starting services	
#6362	Cannot submit jobs to WMS	
#6548	WMS installer adds GLITE_WMS_USER to the wrong group	
#6551	Job submission fails with the following error: SandboxIOException: Globus Ftp API Failure in creating remote Directories	

#6553	WMS problem. Job submission fails with the following error: Error while calling the "NSClient::multi" native api	
#6558	Jobs on the prototype fail	
#6570	glite-wms-ui-cli-python-1.0.0-1 provides broken links instead of the submission commands	
#6578	Sometimes jobs are aborted without obvious reason (for me)	
#6580	output of glite-job-submit still uses "edg-job-id"	
#6583	bug in the WMS installation script related to the ftpaccess file	
#6586	JDL & Datamanagement	
#6655	WMS stuck since Saturday ?	
#6664	the WMS installer script crashes immediately -missing ""	
#6926	error in the section '5. Known bugs and issues' of the release notes of WMS	
#7171	WMS startup fails with "Configuration problem: cannot parse configuration"	

### 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
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