

Introduction

This document is addressed to site administrators responsible for middleware installation and configuration. Goal of this wiki page is to provide some hints and examples about how to install and configure a IG Worker Node (WN) based on gLite middleware.

Repository settings for x86_64

```
$ cd /etc/yum/repos.d/
$ wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/dag.repo
$ wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/ig.repo
$ wget http://repository.egi.eu/sw/production/cas/1/current/repo-files/egi-trustanchors.repo
$ wget http://repo-pd.italiangrid.it/mrepo/repos/glite/sl5/x86_64/glite-wn_torque.repo
```

Update host and perform the installation of package(s)

```
$ yum clean all
$ yum groupinstall ig_WN_torque_noafs
There are unfinished transactions remaining. You might consider running yum-complete-transaction
The program yum-complete-transaction is found in the yum-utils package.
Latest version
Resolving Dependencies
--> Running transaction check
---> Package CGSI_gSOAP_2.7.i386 0:1.3.3-2.sl5 set to be updated
---> Package CGSI_gSOAP_2.7.x86_64 0:1.3.3-2.sl5 set to be updated
---> Package CGSI_gSOAP_2.7-voms.i386 0:1.3.3-2.sl5 set to be updated
---> Package CGSI_gSOAP_2.7-voms.x86_64 0:1.3.3-2.sl5 set to be updated
---> Package GFAL-client.i386 0:1.11.8-3.sl5 set to be updated
---> Package GFAL-client.x86_64 0:1.11.8-3.sl5 set to be updated
---> Package HEP_OSlibs_SL5.x86_64 0:1.0.3-0 set to be updated
--> Processing Dependency: libssl.so.4 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCXX_3.2.3) for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCXX_3.2) for package: HEP_OSlibs_SL5
--> Processing Dependency: libsqlite3.so.0 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(CXXABI_1.2) for package: HEP_OSlibs_SL5
--> Processing Dependency: libgmp.so.3 for package: HEP_OSlibs_SL5
--> Processing Dependency: libXp.so.6 for package: HEP_OSlibs_SL5
--> Processing Dependency: libcrypto.so.4 for package: HEP_OSlibs_SL5
--> Processing Dependency: /usr/lib/libxml2.so for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(CXXABI_1.2.1) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libxml2.so.2 for package: HEP_OSlibs_SL5
--> Processing Dependency: libungif.so.4 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(CXXABI_1.2.2) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libldap-2.2.so.7 for package: HEP_OSlibs_SL5
--> Processing Dependency: liblber-2.2.so.7 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCXX_3.2.3) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCXX_3.2.4) for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(CXXABI_1.2.2) for package: HEP_OSlibs_SL5
--> Processing Dependency: libidn.so.11 for package: HEP_OSlibs_SL5
--> Processing Dependency: libXmu.so.6 for package: HEP_OSlibs_SL5
--> Processing Dependency: libgdbm.so.2 for package: HEP_OSlibs_SL5
--> Processing Dependency: libxml2-devel for package: HEP_OSlibs_SL5
--> Processing Dependency: /usr/lib64/libxml2.so for package: HEP_OSlibs_SL5
--> Processing Dependency: /usr/lib/x86_64-redhat-linux4E/lib64/libcrypt.so for package: HEP_OSlibs_SL5
--> Processing Dependency: libtk8.4.so for package: HEP_OSlibs_SL5
--> Processing Dependency: libGLU.so.1 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCXX_3.2.2) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libXm.so.4 for package: HEP_OSlibs_SL5
--> Processing Dependency: libXpm.so.4 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5 for package: HEP_OSlibs_SL5
--> Processing Dependency: libXm.so.3 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCXX_3.2.1) for package: HEP_OSlibs_SL5
--> Processing Dependency: /usr/lib/crti.o for package: HEP_OSlibs_SL5
```

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```
--> Processing Dependency: libgfortran.so.1 for package: HEP_OSlibs_SL5
--> Processing Dependency: libbz2.so.1 for package: HEP_OSlibs_SL5
--> Processing Dependency: libdb-4.2.so for package: HEP_OSlibs_SL5
--> Processing Dependency: compat-glibc for package: HEP_OSlibs_SL5
--> Processing Dependency: libtcl8.4.so for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCPP_3.2) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(CXXABI_1.2) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libreadline.so.4 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCPP_3.2.1) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libg2c.so.0 for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCPP_3.2.4) (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: /usr/lib/i386-redhat-linux4E/lib/libcrypt.so for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(GLIBCPP_3.2.2) for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5(CXXABI_1.2.1) for package: HEP_OSlibs_SL5
--> Processing Dependency: zsh for package: HEP_OSlibs_SL5
--> Processing Dependency: libssl.so.4() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libXm.so.3() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libungif.so.4() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: liblber-2.2.so.7() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libstdc++.so.5() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libldap-2.2.so.7() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libgfortran.so.1() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libreadline.so.4() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libg2c.so.0() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libtk8.4.so() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libGLU.so.1() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libcrypto.so.4() (64bit) for package: HEP_OSlibs_SL5
--> Processing Dependency: libgmp.so.3() (64bit) for package: HEP_OSlibs_SL5
---> Package SAGA.api-java.noarch 0:1.0.1-2 set to be updated
--> Processing Dependency: jdk >= 1.5.0 for package: SAGA.api-java
---> Package SAGA.lsu-cpp.engine.x86_64 0:1.3.3-1.sl5 set to be updated
--> Processing Dependency: libboost_python.so.2() (64bit) for package: SAGA.lsu-cpp.engine
--> Processing Dependency: libboost_regex.so.2() (64bit) for package: SAGA.lsu-cpp.engine
--> Processing Dependency: libboost_iostreams.so.2() (64bit) for package: SAGA.lsu-cpp.engine
--> Processing Dependency: libboost_serialization.so.2() (64bit) for package: SAGA.lsu-cpp.engine
--> Processing Dependency: libboost_filesystem.so.2() (64bit) for package: SAGA.lsu-cpp.engine
--> Processing Dependency: libboost_thread.so.2() (64bit) for package: SAGA.lsu-cpp.engine
---> Package SAGA.vu-java.engine.noarch 0:1.0.1-2 set to be updated
---> Package a1_grid_env.noarch 0:3.0.2-1 set to be updated
---> Package c-ares.x86_64 0:1.3.0-4.sl5 set to be updated
---> Package classesads.x86_64 0:1.0-2.sl5 set to be updated
---> Package cleanup-grid-accounts.noarch 0:1.0.2-1 set to be updated
---> Package compat-gcc-34-g77.x86_64 0:3.4.6-4 set to be updated
--> Processing Dependency: compat-gcc-34 = 3.4.6-4 for package: compat-gcc-34-g77
---> Package compat-libgcc-296.i386 0:2.96-138 set to be updated
---> Package compat-libstdc++-296.i386 0:2.96-138 set to be updated
---> Package dcache-srmclient.noarch 0:1.9.5-16 set to be updated
---> Package dcap.x86_64 0:2.47.2-0 set to be updated
---> Package dpm.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package dpm.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package dpm-devel.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package dpm-devel.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package dpm-libs.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package dpm-libs.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package edg-pbs-utils.x86_64 0:1.0.9-2.sl5 set to be updated
---> Package fetch-crl.noarch 0:2.7.0-2 set to be updated
---> Package gcc-c++.x86_64 0:4.1.2-50.el5 set to be updated
--> Processing Dependency: libstdc++-devel = 4.1.2-50.el5 for package: gcc-c++
--> Processing Dependency: libstdc++ = 4.1.2-50.el5 for package: gcc-c++
--> Processing Dependency: gcc = 4.1.2-50.el5 for package: gcc-c++
---> Package ghostscript.i386 0:8.15.2-9.11.el5 set to be updated
--> Processing Dependency: urw-fonts >= 1.1 for package: ghostscript
--> Processing Dependency: ghostscript-fonts for package: ghostscript
---> Package ghostscript.x86_64 0:8.15.2-9.11.el5 set to be updated
---> Package glite-WN-version.x86_64 0:3.2.9-0.sl5 set to be updated
---> Package glite-amga-cli.x86_64 0:1.3.0-4 set to be updated
---> Package glite-data-catalog-interface.noarch 0:2.0.0-8 set to be updated
```

Update host and perform the installation of package(s)

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```
---> Package glite-data-hydra-cli.x86_64 0:3.1.2-4.s15 set to be updated
---> Package glite-data-util-c.x86_64 0:1.2.3-1.s15 set to be updated
---> Package glite-jobid-api-c.x86_64 0:1.0.0-5.s15 set to be updated
---> Package glite-jobid-api-cpp.x86_64 0:1.0.0-4.s15 set to be updated
---> Package glite-lb-client.x86_64 0:4.0.7-1.s15 set to be updated
---> Package glite-lb-common.x86_64 0:7.0.6-1.s15 set to be updated
---> Package glite-lbjp-common-trio.x86_64 0:1.0.0-6.s15 set to be updated
---> Package glite-saga-adapter-common.noarch 0:1.0.1-1 set to be updated
---> Package glite-saga-adapter-context-cpp.x86_64 0:1.0.1-1.s15 set to be updated
---> Package glite-saga-adapter-context-java.noarch 0:1.0.1-1 set to be updated
---> Package glite-saga-adapter-isn-common.noarch 0:1.0.0-1 set to be updated
---> Package glite-saga-adapter-isn-cpp.x86_64 0:1.0.0-1.s15 set to be updated
--> Processing Dependency: xerces-c >= 2.7.0 for package: glite-saga-adapter-isn-cpp
---> Package glite-saga-adapter-isn-java.x86_64 0:1.0.0-1.s15 set to be updated
---> Package glite-saga-adapter-sd-cpp.x86_64 0:1.0.1-1.s15 set to be updated
---> Package glite-saga-adapter-sd-java.x86_64 0:1.0.1-1.s15 set to be updated
---> Package glite-security-gsoap-plugin.x86_64 0:2.0.1-3.s15 set to be updated
---> Package glite-security-gss.x86_64 0:2.0.0-6.s15 set to be updated
---> Package glite-security-ssss.x86_64 0:1.0.0-3.s15 set to be updated
---> Package glite-security-voms-api.i386 0:1.8.12-1.s15 set to be updated
---> Package glite-security-voms-api.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-api-c.i386 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-api-c.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-api-cpp.i386 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-api-cpp.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-clients.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-service-discovery-api-c.x86_64 0:2.2.2-2.s15 set to be updated
---> Package glite-service-discovery-file-c.x86_64 0:2.1.2-2.s15 set to be updated
---> Package glite-swat-client.noarch 0:0.1.4-1 set to be updated
---> Package glite-swat-client-pubkey.noarch 0:0.1.4-1 set to be updated
---> Package glite-swat-client-tests.noarch 0:0.1.4-1 set to be updated
---> Package glite-swat-common.noarch 0:0.1.4-1 set to be updated
---> Package glite-version.noarch 0:3.2.2-1 set to be updated
---> Package glite-wms-brokerinfo-access.x86_64 0:3.1.3-3.s15 set to be updated
---> Package glite-wms-utils-exception.x86_64 0:3.2.1-1.s15 set to be updated
---> Package glite-wn-info.noarch 0:1.0.3-1 set to be updated
---> Package glite-yaim-clients.noarch 0:4.0.9-2 set to be updated
---> Package glite-yaim-core.noarch 0:4.0.12-1 set to be updated
---> Package glite-yaim-mpi.noarch 0:1.1.0-0 set to be updated
---> Package glite-yaim-torque-client.noarch 0:4.0.3-1 set to be updated
---> Package gpt.x86_64 0:3.2autotools2004_NMI_9_0_x86_64_rhap_5-1 set to be updated
---> Package gridsite-shared.x86_64 0:1.5.10.5-3.s15 set to be updated
---> Package ig-yaim.noarch 0:4.0.14-2 set to be updated
---> Package lapack.i386 0:3.0-37.e15 set to be updated
--> Processing Dependency: libblas.so.3 for package: lapack
---> Package lapack.x86_64 0:3.0-37.e15 set to be updated
--> Processing Dependency: libblas.so.3()(64bit) for package: lapack
---> Package lcg-ManagementVOTag.noarch 0:2.2.1-4 set to be updated
---> Package lcg-info.noarch 0:1.11.4-1 set to be updated
--> Processing Dependency: perl(Net::LDAP::Message) for package: lcg-info
--> Processing Dependency: perl(Net::LDAP) for package: lcg-info
--> Processing Dependency: perl(Net::LDAP::Filter) for package: lcg-info
---> Package lcg-infosites.noarch 0:2.6.9-1 set to be updated
---> Package lcg-sam-client.noarch 0:1.0.0-0 set to be updated
---> Package lcg-sam-client-sensors.noarch 0:1.0.1-0 set to be updated
---> Package lcg-sam-jobwrapper.noarch 0:1.0.0-0 set to be updated
---> Package lcg-tags.noarch 0:0.4.0-1 set to be updated
---> Package lcg_util.i386 0:1.7.6-2.s15 set to be updated
---> Package lcg_util.x86_64 0:1.7.6-2.s15 set to be updated
---> Package lcgdm-devel.i386 0:1.7.4-7sec.s15 set to be updated
---> Package lcgdm-devel.x86_64 0:1.7.4-7sec.s15 set to be updated
---> Package lcgdm-libs.i386 0:1.7.4-7sec.s15 set to be updated
---> Package lcgdm-libs.x86_64 0:1.7.4-7sec.s15 set to be updated
---> Package lfc.i386 0:1.7.4-7sec.s15 set to be updated
---> Package lfc.x86_64 0:1.7.4-7sec.s15 set to be updated
---> Package lfc-devel.i386 0:1.7.4-7sec.s15 set to be updated
---> Package lfc-devel.x86_64 0:1.7.4-7sec.s15 set to be updated
```

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```
---> Package lfc-libs.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package lfc-libs.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package libdcap.i386 0:2.47.2-0 set to be updated
---> Package libdcap.x86_64 0:2.47.2-0 set to be updated
---> Package libdcap-devel.i386 0:2.47.2-0 set to be updated
---> Package libdcap-devel.x86_64 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-gsi.i386 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-gsi.x86_64 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-krb.i386 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-krb.x86_64 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-ssl.i386 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-ssl.x86_64 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-telnet.i386 0:2.47.2-0 set to be updated
---> Package libdcap-tunnel-telnet.x86_64 0:2.47.2-0 set to be updated
---> Package myproxy.x86_64 0:VDT1.10.1x86_64_rhap_5-4.2 set to be updated
---> Package openldap-clients.x86_64 0:2.3.43-12.el5_5.1 set to be updated
---> Package perl-dpm.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package perl-dpm.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package perl-lfc.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package perl-lfc.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package python-dpm.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package python-dpm.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package python-lfc.i386 0:1.7.4-7sec.sl5 set to be updated
---> Package python-lfc.x86_64 0:1.7.4-7sec.sl5 set to be updated
---> Package torque.x86_64 0:2.3.6-2cri.el5 set to be updated
---> Package torque-client.x86_64 0:2.3.6-2cri.el5 set to be updated
---> Package torque-mom.x86_64 0:2.3.6-2cri.el5 set to be updated
---> Package uberftp-client.x86_64 0:VDT1.10.1x86_64_rhap_5-1.27 set to be updated
---> Package vdt_globus_essentials.i386 0:VDT1.10.1x86_rhap_5-4 set to be updated
---> Package vdt_globus_essentials.x86_64 0:VDT1.10.1x86_64_rhap_5-4 set to be updated
---> Package vdt_globus_jobmanager_common.x86_64 0:VDT1.10.1x86_64_rhap_5-4 set to be updated
--> Processing Dependency: perl(XML::Parser) for package: vdt_globus_jobmanager_common
---> Package vdt_globus_rm_essentials.x86_64 0:VDT1.10.1x86_64_rhap_5-4 set to be updated
---> Package vdt_globus_sdk.x86_64 0:VDT1.10.1x86_64_rhap_5-3 set to be updated
--> Running transaction check
---> Package blas.i386 0:3.0-37.el5 set to be updated
---> Package blas.x86_64 0:3.0-37.el5 set to be updated
---> Package boost.x86_64 0:1.33.1-10.el5 set to be updated
--> Processing Dependency: libicu.so.36()(64bit) for package: boost
--> Processing Dependency: libcui18n.so.36()(64bit) for package: boost
---> Package bzip2-libs.i386 0:1.0.3-6.el5_5 set to be updated
---> Package compat-db.i386 0:4.2.52-5.1 set to be updated
---> Package compat-gcc-34.x86_64 0:3.4.6-4 set to be updated
---> Package compat-glibc.i386 1:2.3.4-2.26 set to be updated
--> Processing Dependency: compat-glibc-headers = 1:2.3.4-2.26 for package: compat-glibc
---> Package compat-glibc.x86_64 1:2.3.4-2.26 set to be updated
---> Package compat-libf2c-34.i386 0:3.4.6-4 set to be updated
---> Package compat-libf2c-34.x86_64 0:3.4.6-4 set to be updated
---> Package compat-libstdc++-33.i386 0:3.2.3-61 set to be updated
---> Package compat-libstdc++-33.x86_64 0:3.2.3-61 set to be updated
---> Package compat-openldap.i386 0:2.3.43_2.2.29-12.el5_5.1 set to be updated
---> Package compat-openldap.x86_64 0:2.3.43_2.2.29-12.el5_5.1 set to be updated
---> Package compat-readline43.i386 0:4.3-3 set to be updated
---> Package compat-readline43.x86_64 0:4.3-3 set to be updated
---> Package gcc.x86_64 0:4.1.2-50.el5 set to be updated
--> Processing Dependency: cpp = 4.1.2-50.el5 for package: gcc
--> Processing Dependency: libgcc >= 4.1.2-50.el5 for package: gcc
--> Processing Dependency: libgomp >= 4.1.2-50.el5 for package: gcc
---> Package gdbm.i386 0:1.8.0-26.2.1 set to be updated
---> Package ghostscript-fonts.noarch 0:5.50-13.1.1 set to be updated
---> Package giflib.i386 0:4.1.3-7.1.el5_3.1 set to be updated
---> Package giflib.x86_64 0:4.1.3-7.1.el5_3.1 set to be updated
---> Package glibc-devel.i386 0:2.5-49.el5_5.7 set to be updated
--> Processing Dependency: glibc-headers = 2.5-49.el5_5.7 for package: glibc-devel
--> Processing Dependency: glibc-headers for package: glibc-devel
---> Package gmp.i386 0:4.1.4-10.el5 set to be updated
---> Package gmp.x86_64 0:4.1.4-10.el5 set to be updated
```

Update host and perform the installation of package(s)

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```
---> Package jdk.x86_64 2000:1.6.0_24-fcs set to be updated
---> Package libXmu.i386 0:1.0.2-5 set to be updated
---> Package libXp.i386 0:1.0.0-8.1.el5 set to be updated
---> Package libXpm.i386 0:3.5.5-3 set to be updated
---> Package libgfortran.i386 0:4.1.2-50.el5 set to be updated
---> Package libgfortran.x86_64 0:4.1.2-50.el5 set to be updated
---> Package libidn.i386 0:0.6.5-1.1 set to be updated
---> Package libstdc++.i386 0:4.1.2-50.el5 set to be updated
---> Package libstdc++.x86_64 0:4.1.2-50.el5 set to be updated
---> Package libstdc++-devel.x86_64 0:4.1.2-50.el5 set to be updated
---> Package libxml2.i386 0:2.6.26-2.1.2.8 set to be updated
---> Package libxml2-devel.i386 0:2.6.26-2.1.2.8 set to be updated
--> Processing Dependency: pkgconfig for package: libxml2-devel
--> Processing Dependency: zlib-devel for package: libxml2-devel
---> Package libxml2-devel.x86_64 0:2.6.26-2.1.2.8 set to be updated
---> Package mesa-libGLU.i386 0:6.5.1-7.8.el5 set to be updated
---> Package mesa-libGLU.x86_64 0:6.5.1-7.8.el5 set to be updated
---> Package openmotif.i386 0:2.3.1-2.el5_4.1 set to be updated
---> Package openmotif22.i386 0:2.2.3-18 set to be updated
---> Package openmotif22.x86_64 0:2.2.3-18 set to be updated
---> Package openssl097a.i386 0:0.9.7a-9.el5_4.2 set to be updated
---> Package openssl097a.x86_64 0:0.9.7a-9.el5_4.2 set to be updated
---> Package perl-LDAP.noarch 1:0.33-3.fc6 set to be updated
--> Processing Dependency: perl(HTTP::Status) for package: perl-LDAP
--> Processing Dependency: perl(HTTP::Negotiate) for package: perl-LDAP
--> Processing Dependency: perl(Convert::ASN1) for package: perl-LDAP
--> Processing Dependency: perl(LWP::MediaTypes) for package: perl-LDAP
--> Processing Dependency: perl(HTTP::Response) for package: perl-LDAP
--> Processing Dependency: perl(LWP::Protocol) for package: perl-LDAP
--> Processing Dependency: perl(XML::SAX::Base) for package: perl-LDAP
--> Processing Dependency: perl(IO::Socket::SSL) for package: perl-LDAP
---> Package perl-XML-Parser.x86_64 0:2.34-6.1.2.2.1 set to be updated
--> Processing Dependency: perl(URI) for package: perl-XML-Parser
---> Package sqlite.i386 0:3.3.6-5 set to be updated
---> Package tcl.i386 0:8.4.13-4.el5 set to be updated
---> Package tk.i386 0:8.4.13-5.el5_1.1 set to be updated
---> Package tk.x86_64 0:8.4.13-5.el5_1.1 set to be updated
---> Package urw-fonts.noarch 0:2.3-6.1.1 set to be updated
--> Processing Dependency: mkfontscale for package: urw-fonts
--> Processing Dependency: mkfontdir for package: urw-fonts
--> Processing Dependency: chkfontpath for package: urw-fonts
---> Package xerces-c.x86_64 0:2.7.0-1.el5.rf set to be updated
---> Package zsh.x86_64 0:4.2.6-3.el5 set to be updated
--> Running transaction check
---> Package chkfontpath.x86_64 0:1.10.1-1.1 set to be updated
--> Processing Dependency: xfs for package: chkfontpath
---> Package compat-glibc-headers.x86_64 1:2.3.4-2.26 set to be updated
--> Processing Dependency: kernel-headers >= 2.2.1 for package: compat-glibc-headers
---> Package cpp.x86_64 0:4.1.2-50.el5 set to be updated
---> Package glibc-headers.x86_64 0:2.5-49.el5_5.7 set to be updated
---> Package libgcc.i386 0:4.1.2-50.el5 set to be updated
---> Package libgcc.x86_64 0:4.1.2-50.el5 set to be updated
---> Package libgomp.x86_64 0:4.4.0-6.el5 set to be updated
---> Package libicu.x86_64 0:3.6-5.11.4 set to be updated
---> Package perl-Convert-ASN1.noarch 0:0.20-1.1 set to be updated
---> Package perl-IO-Socket-SSL.noarch 0:1.01-1.fc6 set to be updated
--> Processing Dependency: perl(Net::SSLLeay) >= 1.21 for package: perl-IO-Socket-SSL
---> Package perl-URI.noarch 0:1.35-3 set to be updated
---> Package perl-XML-SAX.noarch 0:0.14-8 set to be updated
--> Processing Dependency: perl(XML::NamespaceSupport) for package: perl-XML-SAX
---> Package perl-libwww-perl.noarch 0:5.805-1.1.1 set to be updated
--> Processing Dependency: perl-HTML-Parser >= 3.33 for package: perl-libwww-perl
--> Processing Dependency: perl(HTML::Entities) for package: perl-libwww-perl
--> Processing Dependency: perl(Compress::Zlib) for package: perl-libwww-perl
---> Package pkgconfig.x86_64 1:0.21-2.el5 set to be updated
---> Package xorg-x11-font-utils.x86_64 1:7.1-2 set to be updated
--> Processing Dependency: libfontenc >= 0.99.2-2 for package: xorg-x11-font-utils
```

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```
--> Processing Dependency: libfontenc.so.1()(64bit) for package: xorg-x11-font-utils
--> Processing Dependency: libXfont.so.1()(64bit) for package: xorg-x11-font-utils
---> Package zlib-devel.x86_64 0:1.2.3-3 set to be updated
--> Running transaction check
---> Package kernel-headers.x86_64 0:2.6.18-238.1.1.el5 set to be updated
---> Package libXfont.x86_64 0:1.2.2-1.0.3.el5_1 set to be updated
---> Package libfontenc.x86_64 0:1.0.2-2.2.el5 set to be updated
---> Package perl-Compress-Zlib.x86_64 0:1.42-1.fc6 set to be updated
---> Package perl-HTML-Parser.x86_64 0:3.55-1.fc6 set to be updated
--> Processing Dependency: perl-HTML-Tagset >= 3.03 for package: perl-HTML-Parser
--> Processing Dependency: perl(HTML::Tagset) for package: perl-HTML-Parser
---> Package perl-Net-SSLeay.x86_64 0:1.30-4.fc6 set to be updated
---> Package perl-XML-Namespacesupport.noarch 0:1.09-1.2.1 set to be updated
---> Package xorg-x11-xfs.x86_64 1:1.0.2-4 set to be updated
--> Processing Dependency: ttmkfdir for package: xorg-x11-xfs
--> Processing Dependency: libFS.so.6()(64bit) for package: xorg-x11-xfs
--> Running transaction check
---> Package libFS.x86_64 0:1.0.0-3.1 set to be updated
---> Package perl-HTML-Tagset.noarch 0:3.10-2.1.1 set to be updated
---> Package ttmkfdir.x86_64 0:3.0.9-23.el5 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
```

Dependencies Resolved

ckage	Arch	Version
Installing:		
CGSI_gSOAP_2.7	i386	1.3.3-2.s15
CGSI_gSOAP_2.7	x86_64	1.3.3-2.s15
CGSI_gSOAP_2.7-voms	i386	1.3.3-2.s15
CGSI_gSOAP_2.7-voms	x86_64	1.3.3-2.s15
GFAL-client	i386	1.11.8-3.s15
GFAL-client	x86_64	1.11.8-3.s15
HEP_OSlibs_SL5	x86_64	1.0.3-0
SAGA.api-java	noarch	1.0.1-2
SAGA.lsu-cpp.engine	x86_64	1.3.3-1.s15
SAGA.vu-java.engine	noarch	1.0.1-2
al_grid_env	noarch	3.0.2-1
c-ares	x86_64	1.3.0-4.s15
classads	x86_64	1.0-2.s15
cleanup-grid-accounts	noarch	1.0.2-1
compat-gcc-34-g77	x86_64	3.4.6-4
compat-libgcc-296	i386	2.96-138
compat-libstdc++-296	i386	2.96-138
dcache-srmclient	noarch	1.9.5-16
dcap	x86_64	2.47.2-0
dpm	i386	1.7.4-7sec.s15
dpm	x86_64	1.7.4-7sec.s15
dpm-devel	i386	1.7.4-7sec.s15
dpm-devel	x86_64	1.7.4-7sec.s15
dpm-libs	i386	1.7.4-7sec.s15
dpm-libs	x86_64	1.7.4-7sec.s15
edg-pbs-utils	x86_64	1.0.9-2.s15
fetch-crl	noarch	2.7.0-2
gcc-c++	x86_64	4.1.2-50.el5
ghostscript	i386	8.15.2-9.11.el5
ghostscript	x86_64	8.15.2-9.11.el5
glite-WN-version	x86_64	3.2.9-0.s15
glite-amga-cli	x86_64	1.3.0-4
glite-data-catalog-interface	noarch	2.0.0-8
glite-data-hydra-cli	x86_64	3.1.2-4.s15
glite-data-util-c	x86_64	1.2.3-1.s15
glite-jobid-api-c	x86_64	1.0.0-5.s15
glite-jobid-api-cpp	x86_64	1.0.0-4.s15

Update host and perform the installation of package(s)

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glite-lb-client	x86_64	4.0.7-1.s15
glite-lb-common	x86_64	7.0.6-1.s15
glite-lbjp-common-trio	x86_64	1.0.0-6.s15
glite-saga-adapter-common	noarch	1.0.1-1
glite-saga-adapter-context-cpp	x86_64	1.0.1-1.s15
glite-saga-adapter-context-java	noarch	1.0.1-1
glite-saga-adapter-isn-common	noarch	1.0.0-1
glite-saga-adapter-isn-cpp	x86_64	1.0.0-1.s15
glite-saga-adapter-isn-java	x86_64	1.0.0-1.s15
glite-saga-adapter-sd-cpp	x86_64	1.0.1-1.s15
glite-saga-adapter-sd-java	x86_64	1.0.1-1.s15
glite-security-gsoap-plugin	x86_64	2.0.1-3.s15
glite-security-gss	x86_64	2.0.0-6.s15
glite-security-ssss	x86_64	1.0.0-3.s15
glite-security-voms-api	i386	1.8.12-1.s15
glite-security-voms-api	x86_64	1.9.17-1.s15
glite-security-voms-api-c	i386	1.9.17-1.s15
glite-security-voms-api-c	x86_64	1.9.17-1.s15
glite-security-voms-api-cpp	i386	1.9.17-1.s15
glite-security-voms-api-cpp	x86_64	1.9.17-1.s15
glite-security-voms-clients	x86_64	1.9.17-1.s15
glite-service-discovery-api-c	x86_64	2.2.2-2.s15
glite-service-discovery-file-c	x86_64	2.1.2-2.s15
glite-swat-client	noarch	0.1.4-1
glite-swat-client-pubkey	noarch	0.1.4-1
glite-swat-client-tests	noarch	0.1.4-1
glite-swat-common	noarch	0.1.4-1
glite-version	noarch	3.2.2-1
glite-wms-brokerinfo-access	x86_64	3.1.3-3.s15
glite-wms-utils-exception	x86_64	3.2.1-1.s15
glite-wn-info	noarch	1.0.3-1
glite-yaim-clients	noarch	4.0.9-2
glite-yaim-core	noarch	4.0.12-1
glite-yaim-mpi	noarch	1.1.0-0
glite-yaim-torque-client	noarch	4.0.3-1
gpt	x86_64	3.2autotools2004_NMI_9.0_x86_64_rhap_5-1
gridsite-shared	x86_64	1.5.10.5-3.s15
ig-yaim	noarch	4.0.14-2
lapack	i386	3.0-37.e15
lapack	x86_64	3.0-37.e15
lcg-ManageVOTag	noarch	2.2.1-4
lcg-info	noarch	1.11.4-1
lcg-infosites	noarch	2.6.9-1
lcg-sam-client	noarch	1.0.0-0
lcg-sam-client-sensors	noarch	1.0.1-0
lcg-sam-jobwrapper	noarch	1.0.0-0
lcg-tags	noarch	0.4.0-1
lcg_util	i386	1.7.6-2.s15
lcg_util	x86_64	1.7.6-2.s15
lcgdm-devel	i386	1.7.4-7sec.s15
lcgdm-devel	x86_64	1.7.4-7sec.s15
lcgdm-libs	i386	1.7.4-7sec.s15
lcgdm-libs	x86_64	1.7.4-7sec.s15
lfc	i386	1.7.4-7sec.s15
lfc	x86_64	1.7.4-7sec.s15
lfc-devel	i386	1.7.4-7sec.s15
lfc-devel	x86_64	1.7.4-7sec.s15
lfc-libs	i386	1.7.4-7sec.s15
lfc-libs	x86_64	1.7.4-7sec.s15
libdcap	i386	2.47.2-0
libdcap	x86_64	2.47.2-0
libdcap-devel	i386	2.47.2-0
libdcap-devel	x86_64	2.47.2-0
libdcap-tunnel-gsi	i386	2.47.2-0
libdcap-tunnel-gsi	x86_64	2.47.2-0
libdcap-tunnel-krb	i386	2.47.2-0
libdcap-tunnel-krb	x86_64	2.47.2-0

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libdcap-tunnel-ssl	i386	2.47.2-0
libdcap-tunnel-ssl	x86_64	2.47.2-0
libdcap-tunnel-telnet	i386	2.47.2-0
libdcap-tunnel-telnet	x86_64	2.47.2-0
myproxy	x86_64	VDT1.10.1x86_64_rhap_5-4.2
openldap-clients	x86_64	2.3.43-12.el5_5.1
perl-dpm	i386	1.7.4-7sec.s15
perl-dpm	x86_64	1.7.4-7sec.s15
perl-lfc	i386	1.7.4-7sec.s15
perl-lfc	x86_64	1.7.4-7sec.s15
python-dpm	i386	1.7.4-7sec.s15
python-dpm	x86_64	1.7.4-7sec.s15
python-lfc	i386	1.7.4-7sec.s15
python-lfc	x86_64	1.7.4-7sec.s15
torque	x86_64	2.3.6-2cri.el5
torque-client	x86_64	2.3.6-2cri.el5
torque-mom	x86_64	2.3.6-2cri.el5
uberftp-client	x86_64	VDT1.10.1x86_64_rhap_5-1.27
vdt_globus_essentials	i386	VDT1.10.1x86_rhap_5-4
vdt_globus_essentials	x86_64	VDT1.10.1x86_64_rhap_5-4
vdt_globus_jobmanager_common	x86_64	VDT1.10.1x86_64_rhap_5-4
vdt_globus_rm_essentials	x86_64	VDT1.10.1x86_64_rhap_5-4
vdt_globus_sdk	x86_64	VDT1.10.1x86_64_rhap_5-3
Installing for dependencies:		
blas	i386	3.0-37.el5
blas	x86_64	3.0-37.el5
boost	x86_64	1.33.1-10.el5
bzip2-libs	i386	1.0.3-6.el5_5
chkfontpath	x86_64	1.10.1-1.1
compat-db	i386	4.2.52-5.1
compat-gcc-34	x86_64	3.4.6-4
compat-glibc	i386	1:2.3.4-2.26
compat-glibc	x86_64	1:2.3.4-2.26
compat-glibc-headers	x86_64	1:2.3.4-2.26
compat-libf2c-34	i386	3.4.6-4
compat-libf2c-34	x86_64	3.4.6-4
compat-libstdc++-33	i386	3.2.3-61
compat-libstdc++-33	x86_64	3.2.3-61
compat-openldap	i386	2.3.43_2.2.29-12.el5_5.1
compat-openldap	x86_64	2.3.43_2.2.29-12.el5_5.1
compat-readline43	i386	4.3-3
compat-readline43	x86_64	4.3-3
cpp	x86_64	4.1.2-50.el5
gcc	x86_64	4.1.2-50.el5
gdbm	i386	1.8.0-26.2.1
ghostscript-fonts	noarch	5.50-13.1.1
giflib	i386	4.1.3-7.1.el5_3.1
giflib	x86_64	4.1.3-7.1.el5_3.1
glibc-devel	i386	2.5-49.el5_5.7
glibc-headers	x86_64	2.5-49.el5_5.7
gmp	i386	4.1.4-10.el5
gmp	x86_64	4.1.4-10.el5
jdk	x86_64	2000:1.6.0_24-fcs
kernel-headers	x86_64	2.6.18-238.1.1.el5
libFS	x86_64	1.0.0-3.1
libXfont	x86_64	1.2.2-1.0.3.el5_1
libXmu	i386	1.0.2-5
libXp	i386	1.0.0-8.1.el5
libXpm	i386	3.5.5-3
libfontenc	x86_64	1.0.2-2.2.el5
libgfortran	i386	4.1.2-50.el5
libgfortran	x86_64	4.1.2-50.el5
libgomp	x86_64	4.4.0-6.el5
libicu	x86_64	3.6-5.11.4
libidn	i386	0.6.5-1.1
libstdc++-devel	x86_64	4.1.2-50.el5
libxml2	i386	2.6.26-2.1.2.8

Update host and perform the installation of package(s)

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libxml2-devel	i386	2.6.26-2.1.2.8
libxml2-devel	x86_64	2.6.26-2.1.2.8
mesa-libGLU	i386	6.5.1-7.8.e15
mesa-libGLU	x86_64	6.5.1-7.8.e15
openmotif	i386	2.3.1-2.e15_4.1
openmotif22	i386	2.2.3-18
openmotif22	x86_64	2.2.3-18
openssl097a	i386	0.9.7a-9.e15_4.2
openssl097a	x86_64	0.9.7a-9.e15_4.2
perl-Compress-Zlib	x86_64	1.42-1.fc6
perl-Convert-ASN1	noarch	0.20-1.1
perl-HTML-Parser	x86_64	3.55-1.fc6
perl-HTML-Tagset	noarch	3.10-2.1.1
perl-IO-Socket-SSL	noarch	1.01-1.fc6
perl-LDAP	noarch	1:0.33-3.fc6
perl-Net-SSLeay	x86_64	1.30-4.fc6
perl-URI	noarch	1.35-3
perl-XML-Namespacesupport	noarch	1.09-1.2.1
perl-XML-Parser	x86_64	2.34-6.1.2.2.1
perl-XML-SAX	noarch	0.14-8
perl-libwww-perl	noarch	5.805-1.1.1
pkgconfig	x86_64	1:0.21-2.e15
sqlite	i386	3.3.6-5
tcl	i386	8.4.13-4.e15
tk	i386	8.4.13-5.e15_1.1
tk	x86_64	8.4.13-5.e15_1.1
ttmkfdir	x86_64	3.0.9-23.e15
urw-fonts	noarch	2.3-6.1.1
xerces-c	x86_64	2.7.0-1.e15.rf
xorg-x11-font-utils	x86_64	1:7.1-2
xorg-x11-xf86	x86_64	1:1.0.2-4
zlib-devel	x86_64	1.2.3-3
zsh	x86_64	4.2.6-3.e15

Transaction Summary

```
=====
Install      203 Package(s)
Upgrade      0 Package(s)
```

Total download size: 329 M

Is this ok [y/N]: y

Downloading Packages:

```
(1/203): lcg-sam-jobwrapper-1.0.0-0.noarch.rpm
(2/203): al_grid_env-3.0.2-1.noarch.rpm
(3/203): glite-saga-adapter-common-1.0.1-1.noarch.rpm
(4/203): glite-WN-version-3.2.9-0.s15.x86_64.rpm
(5/203): edg-pbs-utils-1.0.9-2.s15.x86_64.rpm
(6/203): glite-jobid-api-cpp-1.0.0-4.s15.x86_64.rpm
(7/203): glite-swat-client-pubkey-0.1.4-1.noarch.rpm
(8/203): glite-yaim-torque-client-4.0.3-1.noarch.rpm
(9/203): glite-version-3.2.2-1.noarch.rpm
(10/203): glite-saga-adapter-context-java-1.0.1-1.noarch.rpm
(11/203): cleanup-grid-accounts-1.0.2-1.noarch.rpm
(12/203): glite-wn-info-1.0.3-1.noarch.rpm
(13/203): lcg-ManageVOTag-2.2.1-4.noarch.rpm
(14/203): lcg-infosites-2.6.9-1.noarch.rpm
(15/203): libdcap-tunnel-ssl-2.47.2-0.i386.rpm
(16/203): libdcap-tunnel-ssl-2.47.2-0.x86_64.rpm
(17/203): HEP_OSlibs_SL5-1.0.3-0.x86_64.rpm
(18/203): lcg-tags-0.4.0-1.noarch.rpm
(19/203): libdcap-tunnel-telnet-2.47.2-0.i386.rpm
(20/203): libdcap-tunnel-telnet-2.47.2-0.x86_64.rpm
(21/203): lcg-info-1.11.4-1.noarch.rpm
(22/203): glite-yaim-mpi-1.1.0-0.noarch.rpm
(23/203): glite-security-voms-api-1.8.12-1.s15.i386.rpm
(24/203): perl-HTML-Tagset-3.10-2.1.1.noarch.rpm
(25/203): glite-swat-client-tests-0.1.4-1.noarch.rpm
```

Update host and perform the installation of package(s)

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(26/203): chkfontpath-1.10.1-1.1.x86_64.rpm
(27/203): glite-security-voms-api-1.9.17-1.s15.x86_64.rpm
(28/203): perl-XML-Namespacesupport-1.09-1.2.1.noarch.rpm
(29/203): libdcap-tunnel-krb-2.47.2-0.i386.rpm
(30/203): libdcap-tunnel-gsi-2.47.2-0.i386.rpm
(31/203): glite-saga-adapter-isn-common-1.0.0-1.noarch.rpm
(32/203): libdcap-tunnel-krb-2.47.2-0.x86_64.rpm
(33/203): libdcap-tunnel-gsi-2.47.2-0.x86_64.rpm
(34/203): glite-jobid-api-c-1.0.0-5.s15.x86_64.rpm
(35/203): libfontenc-1.0.2-2.2.el5.x86_64.rpm
(36/203): fetch-crl-2.7.0-2.noarch.rpm
(37/203): glite-yaim-clients-4.0.9-2.noarch.rpm
(38/203): libXp-1.0.0-8.1.el5.i386.rpm
(39/203): dcap-2.47.2-0.x86_64.rpm
(40/203): gdbm-1.8.0-26.2.1.i386.rpm
(41/203): glite-data-catalog-interface-2.0.0-8.noarch.rpm
(42/203): libFS-1.0.0-3.1.x86_64.rpm
(43/203): bzip2-libs-1.0.3-6.el5_5.i386.rpm
(44/203): glite-data-util-c-1.2.3-1.s15.x86_64.rpm
(45/203): giflib-4.1.3-7.1.el5_3.1.i386.rpm
(46/203): giflib-4.1.3-7.1.el5_3.1.x86_64.rpm
(47/203): perl-Convert-ASN1-0.20-1.1.noarch.rpm
(48/203): glite-service-discovery-file-c-2.1.2-2.s15.x86_64.rpm
(49/203): libXpm-3.5.5-3.i386.rpm
(50/203): ttmkfdird-3.0.9-23.el5.x86_64.rpm
(51/203): perl-IO-Socket-SSL-1.01-1.fc6.noarch.rpm
(52/203): glite-security-ssss-1.0.0-3.s15.x86_64.rpm
(53/203): compat-libgcc-296-2.96-138.i386.rpm
(54/203): perl-Compress-Zlib-1.42-1.fc6.x86_64.rpm
(55/203): compat-libf2c-34-3.4.6-4.i386.rpm
(56/203): glite-service-discovery-api-c-2.2.2-2.s15.x86_64.rpm
(57/203): compat-libf2c-34-3.4.6-4.x86_64.rpm
(58/203): glite-wms-utils-exception-3.2.1-1.s15.x86_64.rpm
(59/203): pkgconfig-0.21-2.el5.x86_64.rpm
(60/203): libXmu-1.0.2-5.i386.rpm
(61/203): CGSI_gSOAP_2.7-1.3.3-2.s15.i386.rpm
(62/203): CGSI_gSOAP_2.7-1.3.3-2.s15.x86_64.rpm
(63/203): libgomp-4.4.0-6.el5.x86_64.rpm
(64/203): glite-lbjp-common-trio-1.0.0-6.s15.x86_64.rpm
(65/203): glite-security-gss-2.0.0-6.s15.x86_64.rpm
(66/203): glite-swat-common-0.1.4-1.noarch.rpm
(67/203): xorg-x11-xfs-1.0.2-4.x86_64.rpm
(68/203): perl-XML-SAX-0.14-8.noarch.rpm
(69/203): xorg-x11-font-utils-7.1-2.x86_64.rpm
(70/203): uberftp-client-VDT1.10.1x86_64_rhap_5-1.27.x86_64.rpm
(71/203): glite-swat-client-0.1.4-1.noarch.rpm
(72/203): compat-libstdc++-296-2.96-138.i386.rpm
(73/203): perl-HTML-Parser-3.55-1.fc6.x86_64.rpm
(74/203): lfc-libs-1.7.4-7sec.s15.i386.rpm
(75/203): libdcap-2.47.2-0.i386.rpm
(76/203): lfc-libs-1.7.4-7sec.s15.x86_64.rpm
(77/203): zlib-devel-1.2.3-3.x86_64.rpm
(78/203): compat-readline43-4.3-3.i386.rpm
(79/203): libdcap-2.47.2-0.x86_64.rpm
(80/203): c-ares-1.3.0-4.s15.x86_64.rpm
(81/203): torque-2.3.6-2cri.el5.x86_64.rpm
(82/203): gridsite-shared-1.5.10.5-3.s15.x86_64.rpm
(83/203): lcg-sam-client-1.0.0-0.noarch.rpm
(84/203): compat-readline43-4.3-3.x86_64.rpm
(85/203): libdcap-devel-2.47.2-0.i386.rpm
(86/203): perl-URI-1.35-3.noarch.rpm
(87/203): glite-yaim-core-4.0.12-1.noarch.rpm
(88/203): torque-client-2.3.6-2cri.el5.x86_64.rpm
(89/203): glite-wms-brokerinfo-access-3.1.3-3.s15.x86_64.rpm
(90/203): libdcap-devel-2.47.2-0.x86_64.rpm
(91/203): lcg-sam-client-sensors-1.0.1-0.noarch.rpm
(92/203): torque-mom-2.3.6-2cri.el5.x86_64.rpm

InstallationAndConfigurationOfAWorkerNode < SiteAdminCorner < TWiki

(93/203): CGSI_gSOAP_2.7-voms-1.3.3-2.s15.i386.rpm
(94/203): ig-yaim-4.0.14-2.noarch.rpm
(95/203): CGSI_gSOAP_2.7-voms-1.3.3-2.s15.x86_64.rpm
(96/203): lcgdm-libs-1.7.4-7sec.s15.i386.rpm
(97/203): lcgdm-devel-1.7.4-7sec.s15.i386.rpm
(98/203): lcgdm-libs-1.7.4-7sec.s15.x86_64.rpm
(99/203): perl-Net-SSLey-1.30-4.fc6.x86_64.rpm
(100/203): lcgdm-devel-1.7.4-7sec.s15.x86_64.rpm
(101/203): libidn-0.6.5-1.1.i386.rpm
(102/203): gmp-4.1.4-10.e15.x86_64.rpm
(103/203): perl-XML-Parser-2.34-6.1.2.2.1.x86_64.rpm
(104/203): sqlite-3.3.6-5.i386.rpm
(105/203): glite-saga-adapter-isn-java-1.0.0-1.s15.x86_64.rpm
(106/203): openldap-clients-2.3.43-12.e15_5.1.x86_64.rpm
(107/203): mesa-libGLU-6.5.1-7.8.e15.x86_64.rpm
(108/203): mesa-libGLU-6.5.1-7.8.e15.i386.rpm
(109/203): compat-libstdc++-33-3.2.3-61.x86_64.rpm
(110/203): glite-saga-adapter-sd-java-1.0.1-1.s15.x86_64.rpm
(111/203): libgfortran-4.1.2-50.e15.i386.rpm
(112/203): compat-libstdc++-33-3.2.3-61.i386.rpm
(113/203): libgfortran-4.1.2-50.e15.x86_64.rpm
(114/203): libXfont-1.2.2-1.0.3.e15_1.x86_64.rpm
(115/203): compat-openldap-2.3.43_2.2.29-12.e15_5.1.i386.rpm
(116/203): compat-openldap-2.3.43_2.2.29-12.e15_5.1.x86_64.rpm
(117/203): lfc-devel-1.7.4-7sec.s15.i386.rpm
(118/203): perl-lfc-1.7.4-7sec.s15.i386.rpm
(119/203): dpm-libs-1.7.4-7sec.s15.i386.rpm
(120/203): lfc-devel-1.7.4-7sec.s15.x86_64.rpm
(121/203): dpm-libs-1.7.4-7sec.s15.x86_64.rpm
(122/203): perl-LDAP-0.33-3.fc6.noarch.rpm
(123/203): perl-lfc-1.7.4-7sec.s15.x86_64.rpm
(124/203): blas-3.0-37.e15.i386.rpm
(125/203): lcg_util-1.7.6-2.s15.i386.rpm
(126/203): blas-3.0-37.e15.x86_64.rpm
(127/203): SAGA.api-java-1.0.1-2.noarch.rpm
(128/203): lcg_util-1.7.6-2.s15.x86_64.rpm
(129/203): perl-libwww-perl-5.805-1.1.1.noarch.rpm
(130/203): perl-dpm-1.7.4-7sec.s15.i386.rpm
(131/203): perl-dpm-1.7.4-7sec.s15.x86_64.rpm
(132/203): compat-glibc-headers-2.3.4-2.26.x86_64.rpm
(133/203): SAGA.vu-java.engine-1.0.1-2.noarch.rpm
(134/203): glite-data-hydra-cli-3.1.2-4.s15.x86_64.rpm
(135/203): python-dpm-1.7.4-7sec.s15.i386.rpm
(136/203): vdt_globus_jobmanager_common-VDT1.10.1x86_64_rhap_5-4.x86_64.rpm
(137/203): glibc-headers-2.5-49.e15_5.7.x86_64.rpm
(138/203): dpm-devel-1.7.4-7sec.s15.i386.rpm
(139/203): python-dpm-1.7.4-7sec.s15.x86_64.rpm
(140/203): glite-saga-adapter-context-cpp-1.0.1-1.s15.x86_64.rpm
(141/203): glite-lb-common-7.0.6-1.s15.x86_64.rpm
(142/203): dpm-devel-1.7.4-7sec.s15.x86_64.rpm
(143/203): gmp-4.1.4-10.e15.i386.rpm
(144/203): libxml2-2.6.26-2.1.2.8.i386.rpm
(145/203): ghostscript-fonts-5.50-13.1.1.noarch.rpm
(146/203): glite-amga-cli-1.3.0-4.x86_64.rpm
(147/203): openssl1097a-0.9.7a-9.e15_4.2.i386.rpm
(148/203): openssl1097a-0.9.7a-9.e15_4.2.x86_64.rpm
(149/203): boost-1.33.1-10.e15.x86_64.rpm
(150/203): gpt-3.2autotools2004_NMI_9.0_x86_64_rhap_5-1.x86_64.rpm
(151/203): tk-8.4.13-5.e15_1.1.i386.rpm
(152/203): tk-8.4.13-5.e15_1.1.x86_64.rpm
(153/203): python-lfc-1.7.4-7sec.s15.i386.rpm
(154/203): glite-security-voms-clients-1.9.17-1.s15.x86_64.rpm
(155/203): tcl-8.4.13-4.e15.i386.rpm
(156/203): python-lfc-1.7.4-7sec.s15.x86_64.rpm
(157/203): compat-glibc-2.3.4-2.26.i386.rpm
(158/203): vdt_globus_rm_essentials-VDT1.10.1x86_64_rhap_5-4.x86_64.rpm
(159/203): kernel-headers-2.6.18-238.1.1.e15.x86_64.rpm

InstallationAndConfigurationOfAWorkerNode < SiteAdminCorner < TWiki

```
(160/203): myproxy-VDT1.10.1x86_64_rhap_5-4.2.x86_64.rpm
(161/203): openmotif22-2.2.3-18.i386.rpm
(162/203): openmotif22-2.2.3-18.x86_64.rpm
(163/203): lfc-1.7.4-7sec.sl5.i386.rpm
(164/203): glite-saga-adapter-isn-cpp-1.0.0-1.sl5.x86_64.rpm
(165/203): compat-glibc-2.3.4-2.26.x86_64.rpm
(166/203): lfc-1.7.4-7sec.sl5.x86_64.rpm
(167/203): openmotif-2.3.1-2.el5_4.1.i386.rpm
(168/203): xerces-c-2.7.0-1.el5.rf.x86_64.rpm
(169/203): compat-db-4.2.52-5.1.i386.rpm
(170/203): zsh-4.2.6-3.el5.x86_64.rpm
(171/203): glite-lb-client-4.0.7-1.sl5.x86_64.rpm
(172/203): glibc-devel-2.5-49.el5_5.7.i386.rpm
(173/203): libxml2-devel-2.6.26-2.1.2.8.i386.rpm
(174/203): libxml2-devel-2.6.26-2.1.2.8.x86_64.rpm
(175/203): compat-gcc-34-g77-3.4.6-4.x86_64.rpm
(176/203): GFAL-client-1.11.8-3.sl5.i386.rpm
(177/203): GFAL-client-1.11.8-3.sl5.x86_64.rpm
(178/203): glite-security-gsoap-plugin-2.0.1-3.sl5.x86_64.rpm
(179/203): libstdc++-devel-4.1.2-50.el5.x86_64.rpm
(180/203): cpp-4.1.2-50.el5.x86_64.rpm
(181/203): classads-1.0-2.sl5.x86_64.rpm
(182/203): lapack-3.0-37.el5.i386.rpm
(183/203): glite-security-voms-api-c-1.9.17-1.sl5.i386.rpm
(184/203): lapack-3.0-37.el5.x86_64.rpm
(185/203): glite-security-voms-api-c-1.9.17-1.sl5.x86_64.rpm
(186/203): gcc-c++-4.1.2-50.el5.x86_64.rpm
(187/203): dpm-1.7.4-7sec.sl5.i386.rpm
(188/203): dpm-1.7.4-7sec.sl5.x86_64.rpm
(189/203): glite-security-voms-api-cpp-1.9.17-1.sl5.i386.rpm
(190/203): compat-gcc-34-3.4.6-4.x86_64.rpm
(191/203): glite-security-voms-api-cpp-1.9.17-1.sl5.x86_64.rpm
(192/203): urw-fonts-2.3-6.1.1.noarch.rpm
(193/203): libicu-3.6-5.11.4.x86_64.rpm
(194/203): gcc-4.1.2-50.el5.x86_64.rpm
(195/203): glite-saga-adapter-sd-cpp-1.0.1-1.sl5.x86_64.rpm
(196/203): ghostscript-8.15.2-9.11.el5.x86_64.rpm
(197/203): ghostscript-8.15.2-9.11.el5.i386.rpm
(198/203): dcache-srmclient-1.9.5-16.noarch.rpm
(199/203): vdt_globus_essentials-VDT1.10.1x86_rhap_5-4.i386.rpm
(200/203): vdt_globus_essentials-VDT1.10.1x86_64_rhap_5-4.x86_64.rpm
(201/203): vdt_globus_sdk-VDT1.10.1x86_64_rhap_5-3.x86_64.rpm
(202/203): SAGA.lsu-cpp.engine-1.3.3-1.sl5.x86_64.rpm
(203/203): jdk-1.6.0_24-fcs.x86_64.rpm
```

Total

Running rpm_check_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing      : libdcap
Installing      : classads
Installing      : libgfortran
Installing      : glite-jobid-api-c
Installing      : c-ares
Installing      : pkgconfig
Installing      : glite-service-discovery-api-c
Installing      : glite-lbjp-common-trio
Installing      : compat-libf2c-34
Installing      : glite-security-voms-api-cpp
Installing      : torque
Installing      : libfontenc
Installing      : libXfont
Installing      : xorg-x11-font-utils
Installing      : blas
Installing      : gridsite-shared
```

Update host and perform the installation of package(s)

InstallationAndConfigurationOfAWorkerNode < SiteAdminCorner < TWiki

```
Installing      : libicu
Installing      : boost
Installing      : SAGA.lsu-cpp.engine
Installing      : xerces-c
Installing      : zsh
Installing      : compat-libstdc++-33
Installing      : mesa-libGLU
Installing      : gmp
Installing      : openssl097a
Installing      : perl-Net-SSLLeay
Installing      : giflib
Installing      : ttmkfdir
Installing      : cpp
Installing      : perl-Compress-Zlib
Installing      : compat-openldap
Installing      : libFS
Installing      : libgomp
Installing      : compat-readline43
Installing      : openmotif22
Installing      : gpt
Using system tar and gzip programs to unpack packages
GNU tar located at /bin/tar
GNU zip located at /bin/gzip
GNU unzip located at /bin/gunzip
GNU make located at /usr/bin/make
Perl located at /usr/bin/perl
rpm located at /bin/rpm
rpmbuild located at /bin/rpm
RPM Package License set to GNU
RPM Package Vendor set to NCSA
RPM Package FTP Site set to ftp.ncsa.uiuc.edu
RPM Package URL set to http://www.gridpackaging.org
RPM Packager set to NCSA
RPM Prefix set to /usr/grid
GNU target platform set to x86_64-unknown-linux-gnu
  Installing      : glite-saga-adapter-common
  Installing      : jdk
Unpacking JAR files...
  rt.jar...
  jsse.jar...
  charsets.jar...
  tools.jar...
  localedata.jar...
  plugin.jar...
  javaws.jar...
  deploy.jar...
Installing      : glite-saga-adapter-context-cpp
Installing      : glite-saga-adapter-sd-cpp
Installing      : glite-security-voms-api
Installing      : glite-saga-adapter-isn-common
Installing      : kernel-headers
Installing      : compat-glibc-headers
Installing      : perl-URI
Installing      : zlib-devel
Installing      : compat-glibc
Installing      : glibc-headers
Installing      : glibc-devel
Installing      : compat-gcc-34
Installing      : glite-saga-adapter-isn-cpp
Installing      : SAGA.api-java
Installing      : SAGA.vu-java.engine
Installing      : glite-saga-adapter-context-java
Installing      : perl-IO-Socket-SSL
Installing      : glite-service-discovery-file-c
Installing      : glite-data-util-c
Installing      : perl-XML-NamespaceSupport
Installing      : perl-XML-SAX
```

Update host and perform the installation of package(s)

InstallationAndConfigurationOfAWorkerNode < SiteAdminCorner < TWiki

```
Installing      : libstdc++-devel
Installing      : glite-swat-client-tests
Installing      : glite-yaim-core
Installing      : lcg-sam-client
Installing      : perl-HTML-Tagset
Installing      : perl-HTML-Parser
Installing      : perl-libwww-perl
Installing      : perl-XML-Parser
Installing      : perl-Convert-ASN1
Installing      : perl-LDAP
Installing      : glite-swat-common
Installing      : lapack
Installing      : torque-client
Installing      : torque-mom
Installing      : glite-security-voms-clients
Installing      : glite-wms-brokerinfo-access
Installing      : libdcap-tunnel-krb
Installing      : libdcap-tunnel-ssl
Installing      : libdcap-tunnel-telnet
Installing      : dcap
Installing      : glite-wms-utils-exception
Installing      : openldap-clients
Installing      : glite-security-voms-api-c
Installing      : glite-swat-client
Installing      : lcg-infosites
Installing      : lcg-info
Installing      : lcg-tags
Installing      : lcg-sam-client-sensors
Installing      : glite-yaim-mpi
Installing      : glite-saga-adapter-sd-java
Installing      : glite-saga-adapter-isn-java
Installing      : glite-jobid-api-cpp
Installing      : libdcap-devel
Installing      : libdcap-devel
Installing      : glite-version
Installing      : lcg-sam-jobwrapper
Installing      : glite-swat-client-pubkey
Installing      : glite-yaim-torque-client
Installing      : cleanup-grid-accounts
Installing      : lcg-ManageVOTag
Installing      : glite-yaim-clients
Installing      : dcache-srmclient
Installing      : edg-pbs-utils
Installing      : al_grid_env
Installing      : glite-security-voms-api
Installing      : glite-wn-info
Installing      : vdt_globus_sdk
Installing      : compat-libgcc-296
Installing      : ig-yaim
Installing      : glite-data-catalog-interface
Installing      : glite-WN-version
Installing      : fetch-crl
Installing      : vdt_globus_essentials
Installing      : vdt_globus_essentials
Installing      : glite-security-voms-api-cpp
Installing      : glite-security-gss
Installing      : CGSI_gSOAP_2.7
Installing      : libgfortran
Installing      : libxml2
Installing      : libXmu
Installing      : libXp
Installing      : tcl
Installing      : compat-libf2c-34
Installing      : glite-security-voms-api-c
Installing      : tk
Installing      : glite-lb-common
Installing      : vdt_globus_rm_essentials
```

InstallationAndConfigurationOfAWorkerNode < SiteAdminCorner < TWiki

```
Installing      : tk
Installing      : openmotif22
Installing      : openmotif
Installing      : blas
Installing      : compat-glibc
Installing      : giflib
Installing      : compat-readline43
Installing      : gmp
Installing      : openssl097a
Installing      : compat-libstdc++-33
Installing      : mesa-libGLU
Installing      : bzip2-libs
Installing      : compat-openldap
Installing      : sqlite
Installing      : gdbm
Installing      : libXpm
Installing      : libidn
Installing      : compat-db
Installing      : vdt_globus_jobmanager_common
Installing      : glite-lb-client
Installing      : compat-gcc-34-g77
Installing      : glite-security-gsoap-plugin
Installing      : CGSI_gSOAP_2.7-voms
Installing      : libdcap-tunnel-gsi
Installing      : myproxy
Installing      : uberftp-client
Installing      : lapack
Installing      : CGSI_gSOAP_2.7-voms
Installing      : CGSI_gSOAP_2.7
Installing      : libdcap-tunnel-gsi
Installing      : libdcap-tunnel-krb
Installing      : libdcap-tunnel-ssl
Installing      : libdcap-tunnel-telnet
Installing      : compat-libstdc++-296
Installing      : libdcap
Installing      : gcc
Installing      : lcgdm-libs
Installing      : dpm-libs
Installing      : lfc-libs
Installing      : lcgdm-devel
Installing      : GFAL-client
Installing      : libxml2-devel
Installing      : libxml2-devel
Installing      : glite-security-ssss
Installing      : gcc-c++
Installing      : glite-data-hydra-cli
Installing      : HEP_OSlibs_SL5
Installing      : lcg_util
Installing      : lcg_util
Installing      : dpm-devel
Installing      : lfc-devel
Installing      : dpm-devel
Installing      : lfc-devel
Installing      : python-lfc
Installing      : perl-lfc
Installing      : perl-lfc
Installing      : python-lfc
Installing      : python-dpm
Installing      : perl-dpm
Installing      : python-dpm
Installing      : perl-dpm
Installing      : dpm
Installing      : dpm
Installing      : lfc
Installing      : dpm-libs
Installing      : lfc
Installing      : lcgdm-devel
```

InstallationAndConfigurationOfAWorkerNode < SiteAdminCorner < TWiki

```
Installing      : lfc-libs
Installing      : GFAL-client
Installing      : lcgdm-libs
Installing      : glite-amga-cli
Installing      : chkfontpath
Installing      : xorg-x11-xf86-input-lib
Installing      : urw-fonts
Installing      : ghostscript
Installing      : ghostscript-fonts
Installing      : ghostscript
```

Installed:

```
CGSI_gSOAP_2.7.i386 0:1.3.3-2.s15
CGSI_gSOAP_2.7-voms.i386 0:1.3.3-2.s15
GFAL-client.i386 0:1.11.8-3.s15
HEP_OSlibs_SL5.x86_64 0:1.0.3-0
SAGA.lsu-cpp.engine.x86_64 0:1.3.3-1.s15
a1_grid_env.noarch 0:3.0.2-1
classads.x86_64 0:1.0-2.s15
compat-gcc-34-g77.x86_64 0:3.4.6-4
compat-libstdc++-296.i386 0:2.96-138
dcap.x86_64 0:2.47.2-0
dpm.x86_64 0:1.7.4-7sec.s15
dpm-devel.x86_64 0:1.7.4-7sec.s15
dpm-libs.x86_64 0:1.7.4-7sec.s15
fetch-curl.noarch 0:2.7.0-2
ghostscript.i386 0:8.15.2-9.11.el5
glite-WN-version.x86_64 0:3.2.9-0.s15
glite-data-catalog-interface.noarch 0:2.0.0-8
glite-data-util-c.x86_64 0:1.2.3-1.s15
glite-jobid-api-cpp.x86_64 0:1.0.0-4.s15
glite-lb-common.x86_64 0:7.0.6-1.s15
glite-saga-adapter-common.noarch 0:1.0.1-1
glite-saga-adapter-context-java.noarch 0:1.0.1-1
glite-saga-adapter-isn-cpp.x86_64 0:1.0.0-1.s15
glite-saga-adapter-sd-cpp.x86_64 0:1.0.1-1.s15
glite-security-gsoap-plugin.x86_64 0:2.0.1-3.s15
glite-security-ssss.x86_64 0:1.0.0-3.s15
glite-security-voms-api.x86_64 0:1.9.17-1.s15
glite-security-voms-api-c.x86_64 0:1.9.17-1.s15
glite-security-voms-api-cpp.x86_64 0:1.9.17-1.s15
glite-service-discovery-api-c.x86_64 0:2.2.2-2.s15
glite-swat-client.noarch 0:0.1.4-1
glite-swat-client-tests.noarch 0:0.1.4-1
glite-version.noarch 0:3.2.2-1
glite-wms-utils-exception.x86_64 0:3.2.1-1.s15
glite-yaim-clients.noarch 0:4.0.9-2
glite-yaim-mpi.noarch 0:1.1.0-0
gpt.x86_64 0:3.2autotools2004_NMI_9.0_x86_64_rhap_5-1
ig-yaim.noarch 0:4.0.14-2
lapack.x86_64 0:3.0-37.el5
lcg-info.noarch 0:1.11.4-1
lcg-sam-client.noarch 0:1.0.0-0
lcg-sam-jobwrapper.noarch 0:1.0.0-0
lcg_util.i386 0:1.7.6-2.s15
lcgdm-devel.i386 0:1.7.4-7sec.s15
lcgdm-libs.i386 0:1.7.4-7sec.s15
lfc.i386 0:1.7.4-7sec.s15
lfc-devel.i386 0:1.7.4-7sec.s15
lfc-libs.i386 0:1.7.4-7sec.s15
libdcap.i386 0:2.47.2-0
libdcap-devel.i386 0:2.47.2-0
libdcap-tunnel-gsi.i386 0:2.47.2-0
libdcap-tunnel-krb.i386 0:2.47.2-0
libdcap-tunnel-ssl.i386 0:2.47.2-0
libdcap-tunnel-telnet.i386 0:2.47.2-0
myproxy.x86_64 0:VDT1.10.1x86_64_rhap_5-4.2
```

```
CGSI_gSOAP_2.7.
CGSI_gSOAP_2.7-
GFAL-client.x86
SAGA.api-java.n
SAGA.vu-java.en
c-ares.x86_64 0
cleanup-grid-ac
compat-libgcc-2
dcache-srmclien
dpm.i386 0:1.7.
dpm-devel.i386
dpm-libs.i386 0
edg-pbs-utils.x
gcc-c++.x86_64
ghostscript.x86
glite-amga-cli.
glite-data-hydr
glite-jobid-api
glite-lb-client
glite-lbjp-comm
glite-saga-adap
glite-saga-adap
glite-saga-adap
glite-saga-adap
glite-security-
glite-security-
glite-security-
glite-security-
glite-security-
glite-service-d
glite-swat-clie
glite-swat-comm
glite-wms-broke
glite-wn-info.n
glite-yaim-core
glite-yaim-torq
grid-site-shared
lapack.i386 0:3
lcg-ManageVOTag
lcg-infosites.n
lcg-sam-client-
lcg-tags.noarch
lcg_util.x86_64
lcgdm-devel.x86
lcgdm-libs.x86_
lfc.x86_64 0:1.
lfc-devel.x86_6
lfc-libs.x86_64
libdcap.x86_64
libdcap-devel.x
libdcap-tunnel-
libdcap-tunnel-
libdcap-tunnel-
libdcap-tunnel-
libdcap-tunnel-
openldap-client
```


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```
perl-dpm.i386 0:1.7.4-7sec.sl5
perl-lfc.i386 0:1.7.4-7sec.sl5
python-dpm.i386 0:1.7.4-7sec.sl5
python-lfc.i386 0:1.7.4-7sec.sl5
torque.x86_64 0:2.3.6-2cri.el5
torque-mom.x86_64 0:2.3.6-2cri.el5
vdt_globus_essentials.i386 0:VDT1.10.1x86_rhap_5-4
vdt_globus_jobmanager_common.x86_64 0:VDT1.10.1x86_64_rhap_5-4
vdt_globus_sdk.x86_64 0:VDT1.10.1x86_64_rhap_5-3
perl-dpm.x86_64
perl-lfc.x86_64
python-dpm.x86_64
python-lfc.x86_64
torque-client.x86_64
uberftp-client.x86_64
vdt_globus_essentials.x86_64
vdt_globus_rm.x86_64
```

Dependency Installed:

```
blas.i386 0:3.0-37.el5
bzip2-libs.i386 0:1.0.3-6.el5_5
compat-gcc-34.x86_64 0:3.4.6-4
compat-glibc-headers.x86_64 1:2.3.4-2.26
compat-libstdc++-33.i386 0:3.2.3-61
compat-openldap.x86_64 0:2.3.43-2.2.29-12.el5_5.1
cpp.x86_64 0:4.1.2-50.el5
ghostscript-fonts.noarch 0:5.50-13.1.1
glibc-devel.i386 0:2.5-49.el5_5.7
gmp.x86_64 0:4.1.4-10.el5
libFS.x86_64 0:1.0.0-3.1
libXp.i386 0:1.0.0-8.1.el5
libgfortran.i386 0:4.1.2-50.el5
libicu.x86_64 0:3.6-5.11.4
libxml2.i386 0:2.6.26-2.1.2.8
mesa-libGLU.i386 0:6.5.1-7.8.el5
openmotif22.i386 0:2.2.3-18
openssl1097a.x86_64 0:0.9.7a-9.el5_4.2
perl-HTML-Parser.x86_64 0:3.55-1.fc6
perl-LDAP.noarch 1:0.33-3.fc6
perl-XML-Namespacesupport.noarch 0:1.09-1.2.1
perl-libwww-perl.noarch 0:5.805-1.1.1
tcl.i386 0:8.4.13-4.el5
ttmkfdir.x86_64 0:3.0.9-23.el5
xorg-x11-font-utils.x86_64 1:7.1-2
zsh.x86_64 0:4.2.6-3.el5
blas.x86_64 0:3.0-37.el5
chkfontpath.x86_64 0:1.10.1-1.1
compat-glibc.i386 1:2.3.4-2.26
compat-libf2c-34.i386 0:3.4.6-4
compat-libstdc++-33.x86_64 0:3.2.3-61
compat-readline43.i386 0:4.3-3
gcc.x86_64 0:4.1.2-50.el5
giflib.i386 0:4.1.3-7.1.el5_3.1
glibc-headers.x86_64 0:2.5-49.el5_5.7
jdk.x86_64 2000:1.6.0_24-fcs
libXfont.x86_64 0:1.2.2-1.0.3.el5_1
libXpm.i386 0:3.5.5-3
libgfortran.x86_64 0:4.1.2-50.el5
libidn.i386 0:0.6.5-1.1
libxml2-devel.i386 0:2.6.26-2.1.2.8
mesa-libGLU.x86_64 0:6.5.1-7.8.el5
openmotif22.x86_64 0:2.2.3-18
perl-Compress-Zlib.x86_64 0:1.42-1.fc6
perl-HTML-Tagset.noarch 0:3.10-2.1.1
perl-Net-SSLeay.x86_64 0:1.30-4.fc6
perl-XML-Parser.x86_64 0:2.34-6.1.2.2.1
pkgconfig.x86_64 1:0.21-2.el5
tk.i386 0:8.4.13-5.el5_1.1
urw-fonts.noarch 0:2.3-6.1.1
xorg-x11-xfs.x86_64 1:1.0.2-4
```

Complete!

Install CAs

```
$ yum install -y lcg-CA
```

CONFIGURING

```
Copy the ig-site-info.def from the CE to the WN
```

```
Edit the /opt/glite/yaim/examples/wn-list.conf file
```

```
vm02.ct.infn.it
```

Start the configuration with ig_yaim

```
$ /opt/glite/yaim/bin/ig_yaim -c -s /opt/glite/yaim/examples/siteinfo/ig-site-info.def -n ig_WN_t
WARNING:
WARNING: *****
WARNING: Your siteinfo directory is world readable. This is generally a bad idea
WARNING: as configuration files may contain passwords and other sensitive information.
WARNING: *****
WARNING:
INFO: Using site configuration file: /opt/glite/yaim/examples/siteinfo/ig-site-info.def
INFO: Sourcing MPI_common configuration file: /opt/glite/yaim/examples/siteinfo/services/ig-mpi-common.conf
INFO: Sourcing MPI_WN configuration file: /opt/glite/yaim/examples/siteinfo/services/ig-mpi-wn.conf
```

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INFO:

```
#####
```

```
.          /'-. ' )
.   yA,-"-,( ,m,:/ ) .oo.   oo   o   ooo o.   .oo
.   /   .-Y a   a Y-.   8. .8'   8'8.   8   8b   d'8
.   /           ~ ~ /   8'   .8oo88.   8   8   8'   8
.   (_/           '===='   8   .8'   8.   8   8   Y   8
.   Y,-'-'-,Yy,-.,/   o8o o8o   o88o o8o o8o   o8o
.   I_)_) I_)_)
```

```
current working directory: /opt/glite/yaim/examples/siteinfo
site-info.def date: Dec 28 12:02 /opt/glite/yaim/examples/siteinfo/ig-site-info.def
yaim command: -c -s /opt/glite/yaim/examples/siteinfo/ig-site-info.def -n ig_WN_torque_n
log file: /opt/glite/yaim/bin/./log/yaimlog
Tue Dec 28 12:03:52 CET 2010 : /opt/glite/yaim/bin/ig_yaim
```

```
Installed YAIM versions:
glite-yaim-clients 4.0.9-2
glite-yaim-core 4.0.12-1
glite-yaim-torque-client 4.0.3-1
ig-yaim 4.0.13-2_7
```

```
#####
```

```
INFO: The default location of the grid-env.(c)sh files will be: /opt/glite/etc/profile.d
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
INFO: Executing function: config_ntp_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ntp
INFO: Executing function: config_mpi_wn_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_mpi_wn
INFO: Executing function: config_sysconfig_lcg_check
INFO: Executing function: config_globus_clients_check
INFO: Executing function: config_lcgenv_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_lcgenv
INFO: Executing function: config_users_check
INFO: Executing function: config_sw_dir_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_sw_dir
INFO: Executing function: config_rgma_client_check
INFO: Executing function: config_amga_client_check
INFO: Executing function: config_wn_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_glite_saga_check
INFO: Executing function: config_add_pool_env_check
INFO: Executing function: config_wn_info_check
INFO: Executing function: config_torque_client_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_torque_client
INFO: Executing function: config_ldconf
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ldconf
INFO: Executing function: config_ntp_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ntp
INFO: Executing function: config_ntp
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ntp
INFO: Storing old ntp settings in /etc/ntp.conf.yaimold.20101228_120357
INFO: Executing function: config_mpi_wn_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_mpi_wn
INFO: Executing function: config_mpi_wn
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_mpi_wn
INFO: Executing function: config_sysconfig_edg
INFO: Executing function: config_sysconfig_globus
INFO: Executing function: config_sysconfig_lcg
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...
INFO: Executing function: config_rfio
INFO: Executing function: config_globus_clients_setenv
```

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```
INFO: Executing function: config_globus_clients
INFO: Configure the globus service
setup-tmpdirs: creating ./config.status
config.status: creating globus-script-initializer
config.status: creating Paths.pm
creating globus-sh-tools-vars.sh
creating globus-script-initializer
config.status: creating Paths.pm
creating globus-sh-tools-vars.sh
creating globus-script-initializer
creating Globus::Core::Paths
checking globus-hostname
Done
INFO: Executing function: config_lcgenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_lcgenv
INFO: Executing function: config_users
INFO: Executing function: config_sw_dir_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_sw_dir
INFO: Executing function: config_sw_dir
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_sw_dir
INFO: /opt/exp_soft is mounted by NFS. Skip!
INFO: Executing function: config_rgma_client_setenv
mount: mount to NFS server 'vm01.ct.infn.it' failed: System Error: No route to host.
INFO: Executing function: config_rgma_client
INFO: YAIM has detected the OS is SL5. The rgma client is no longer configured in SL5.
INFO: Executing function: config_nfs_sw_dir_client
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_nfs_sw_dir_client
Stopping portmap: [ OK ]
Starting portmap: [ OK ]
INFO: Executing function: config_fts_client
INFO: Executing function: config_amga_client_setenv
INFO: Executing function: config_amga_client
INFO: Executing function: config_wn_setenv
INFO: Executing function: config_wn
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
No route to host
/usr/bin/pbsnodes: cannot connect to server vm01.ct.infn.it, error=113 (No route to host)
INFO: Executing function: config_vomses
INFO: Executing function: config_glite_saga_setenv
INFO: Executing function: config_glite_saga
Setting up sym links in /usr/local/share/saga to point files in /opt/glite/etc/saga-adapter/config
glite_sd_adaptor.ini configured
glite_context_adaptor.ini configured
glite_isn_adaptor.ini configured
Setting up sym links in /usr/local/lib/adaptors pointing to dirs in /opt/glite/share/java/saga-ad
gLiteSagaISNAdaptor configured
gLiteSagaSDAdaptor configured
gLiteSagaContextAdaptor configured
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_wn_info
WARNING: No subcluster has been defined for the WN in the WN_LIST file /opt/glite/yaim/example
WARNING: YAIM will use the default subcluster id: CE_HOST -> vm01.ct.infn.it
INFO: Executing function: config_torque_client
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_torque_client
WARNING: Could not establish connection with the BATCH_SERVER, please verify!
INFO: starting pbs_mom...
Shutting down TORQUE Mom: [FAILED]
Starting TORQUE Mom: [ OK ]
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.
```

Disable YUM update

```
$ /etc/init.d/yum stop  
Disabling nightly yum update: [ OK ]
```

External link

<https://twiki.cern.ch/twiki/bin/view/LCG/LCGPortTable>

-- GiuseppeLaRocca - 2011-01-17

This topic: SiteAdminCorner > InstallationAndConfigurationOfAWorkerNode

Topic revision: r8 - 2011-11-28 - GiuseppeLaRocca



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