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# Notes about Installation and Configuration of User Interface (UI)

- These notes are provided by site admins on a best effort base as a contribution to the IGI communities and MUST not be considered as a substitute of the Official IGI documentation .
- This document is addressed to site administrators responsible for middleware installation and configuration.
- The goal of this page is to provide some hints and examples on how to install and configure an IGI User Interface (UI) service based on EMI middleware.

## References

1. About IGI - Italian Grid infrastructure
2. About IGI Release
3. IGI Official Installation and Configuration guide
4. Troubleshooting Guide for Operational Errors on EGI Sites
5. Grid Administration FAQs page
6. EMI-UI v.1.0.0

Recommendations □ Recommendations ▾

## Recommendations

If the UI is used only by site administrators, hardware requirements are very basic:

- The service needs at least:
  - ◆ 1 cores
  - ◆ 2 GB RAM
  - ◆ 10 GB disk space.

A full virtualized machine based on KVM has been used in the following notes.

## Service installation

O.S. and Repos □ O.S. and Repos ▾

### O.S. and Repos

- Starts from a fresh installation of Scientific Linux 5.x (x86\_64).

```
# cat /etc/redhat-release
Scientific Linux SL release 5.7 (Boron)
```

\* Install the additional repositories: EPEL, Certification Authority, UMD

```
# yum install yum-priorities yum-protectbase
# cd /etc/yum.repos.d/
# rpm -ivh http://mirror.switch.ch/ftp/mirror/epel//5/x86_64/epel-release-5-4.noarch.rpm
# wget http://repo-pd.italiangrid.it/mrepo/repos/egi-trustanchors.repo
# rpm -ivh http://repo-pd.italiangrid.it/mrepo/EMI/1/sl5/x86_64/updates/emi-release-1.0.1-1.sl5.n
```

- Be sure that SELINUX is disabled (or permissive). Details on how to disable SELINUX are here :

```
# getenforce
Disabled
```

- Check the repos list (sl-\* .repo are the repos of the O.S. and they should be present by default).

```
# ls /etc/yum.repos.d/
egi-trustanchors.repo
emil-third-party.repo emil-base.repo emil-updates.repo
epel.repo epel-testing.repo
sl-contrib.repo sl-fastbugs.repo sl-security.repo sl-testing.repo sl-debuginfo.repo sl.repo sl-sr...
```

**yum install**  **yum install**   
**yum install**

```
# yum clean all
Loaded plugins: downloadonly, kernel-module, priorities, protect-packages, protectbase, security,
Cleaning up Everything

# yum install -y ca-policy-egi-core emi-ui
Loaded plugins: downloadonly, kernel-module, priorities, protect-packages, protectbase, security,
242 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Reading version lock configuration
Setting up Install Process
Resolving Dependencies
--> Running transaction check
--> Package emi-ui.noarch 0:1.0.0-0.sl5 set to be updated
--> Processing Dependency: util-c for package: emi-ui
--> Processing Dependency: glite-wms-ui-api-python for package: emi-ui
--> Processing Dependency: voms for package: emi-ui
--> Processing Dependency: emi-trustmanager for package: emi-ui
--> Processing Dependency: myproxy for package: emi-ui
--> Processing Dependency: fetch-crl for package: emi-ui
--> Processing Dependency: lcg-util-py26 for package: emi-ui
--> Processing Dependency: lcgdm-devel for package: emi-ui
--> Processing Dependency: lfc for package: emi-ui
--> Processing Dependency: unicore-ucc for package: emi-ui
--> Processing Dependency: nordugrid-arc-python for package: emi-ui
--> Processing Dependency: glite-service-discovery-api-c for package: emi-ui
--> Processing Dependency: dcap for package: emi-ui
--> Processing Dependency: glite-wms-brokerinfo-access for package: emi-ui
--> Processing Dependency: dcache-srmclient for package: emi-ui
--> Processing Dependency: voms-clients for package: emi-ui
--> Processing Dependency: lfc-devel for package: emi-ui
--> Processing Dependency: emi-version for package: emi-ui
--> Processing Dependency: python26-lfc for package: emi-ui
--> Processing Dependency: gfal-py26 for package: emi-ui
--> Processing Dependency: glite-wms-wmproxy-api-cpp for package: emi-ui
--> Processing Dependency: lcg-info for package: emi-ui
--> Processing Dependency: glite-jdl-api-cpp for package: emi-ui
--> Processing Dependency: unicore-hila-unicore6 for package: emi-ui
--> Processing Dependency: nordugrid-arc-client for package: emi-ui
--> Processing Dependency: glite-ce-monitor-client-api-c for package: emi-ui
--> Processing Dependency: glite-wms-ui-commands for package: emi-ui
--> Processing Dependency: emi.saga-adapter.sd-cpp for package: emi-ui
--> Processing Dependency: transfer-interface for package: emi-ui
--> Processing Dependency: emi.saga-adapter.context-cpp for package: emi-ui
--> Processing Dependency: glite-yaim-clients for package: emi-ui
--> Processing Dependency: glite-jobid-api-cpp for package: emi-ui
--> Processing Dependency: glite-lb-common for package: emi-ui
--> Processing Dependency: glite-lb-client for package: emi-ui
--> Processing Dependency: nordugrid-arc-plugins-needed for package: emi-ui
--> Processing Dependency: lcg-infosites for package: emi-ui
--> Processing Dependency: lcg-util for package: emi-ui
--> Processing Dependency: delegation-cli for package: emi-ui
--> Processing Dependency: python26-dpm for package: emi-ui
--> Processing Dependency: delegation-api-c for package: emi-ui
--> Processing Dependency: unicore-hila-shell for package: emi-ui
--> Processing Dependency: glite-jobid-api-c for package: emi-ui
```

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```
--> Processing Dependency: perl-dpm for package: emi-ui
--> Processing Dependency: dpm-devel for package: emi-ui
--> Processing Dependency: gfal for package: emi-ui
--> Processing Dependency: perl-lfc for package: emi-ui
--> Processing Dependency: lcg-ManageVOTag for package: emi-ui
--> Processing Dependency: glite-ce-cream-client-api-c for package: emi-ui
--> Processing Dependency: glite-lbjp-common-trio for package: emi-ui
--> Processing Dependency: nordugrid-arc-compat for package: emi-ui
--> Processing Dependency: glite-wms-ui-configuration for package: emi-ui
--> Processing Dependency: emi-delegation-java for package: emi-ui
--> Processing Dependency: python-dpm for package: emi-ui
--> Processing Dependency: lfc-libs for package: emi-ui
--> Processing Dependency: glite-ce-cream-cli for package: emi-ui
--> Processing Dependency: libdcap for package: emi-ui
--> Processing Dependency: gridsite-commands for package: emi-ui
--> Processing Dependency: nordugrid-arc-java for package: emi-ui
--> Processing Dependency: emi.amga.amga-cli for package: emi-ui
--> Processing Dependency: gridsite-shared for package: emi-ui
--> Processing Dependency: emi-trustmanager-tomcat for package: emi-ui
--> Processing Dependency: transfer-cli for package: emi-ui
--> Processing Dependency: glite-lbjp-common-gss for package: emi-ui
--> Processing Dependency: lcgdm-libs for package: emi-ui
--> Processing Dependency: nordugrid-arc-plugins-globus for package: emi-ui
--> Processing Dependency: dpm for package: emi-ui
--> Processing Dependency: dpm-libs for package: emi-ui
--> Processing Dependency: CGSI_gSOAP_2.7 for package: emi-ui
--> Processing Dependency: glite-wms-wmproxy-api-python for package: emi-ui
--> Processing Dependency: glite-lbjp-common-gsoap-plugin for package: emi-ui
--> Processing Dependency: python-lfc for package: emi-ui
--> Processing Dependency: glite-yaim-core for package: emi-ui
--> Processing Dependency: emi.saga-adapter.isn-cpp for package: emi-ui
--> Processing Dependency: glite-wms-wmproxy-api-java for package: emi-ui
--> Processing Dependency: lcg-tags for package: emi-ui
--> Running transaction check
--> Package CGSI_gSOAP_2.7.x86_64 0:1.3.4-2.sl5 set to be updated
--> Processing Dependency: libglobus_gssapi_gsi.so.4(globus_gssapi_gsi)(64bit) for package: CGSI_gSOAP_2.7
--> Processing Dependency: globus-gss-assist for package: CGSI_gSOAP_2.7
--> Processing Dependency: libglobus_gssapi_gsi.so.4()(64bit) for package: CGSI_gSOAP_2.7
--> Processing Dependency: libglobus_gss_assist.so.3()(64bit) for package: CGSI_gSOAP_2.7
--> Package dcache-srmclient.noarch 0:1.9.5-23 set to be updated
--> Package dcap.x86_64 0:2.47.5-1 set to be updated
--> Package delegation-api-c.x86_64 0:2.1.1-1.sl5 set to be updated
--> Processing Dependency: libgsoap.so.0()(64bit) for package: delegation-api-c
--> Package delegation-cli.x86_64 0:2.1.1-1.sl5 set to be updated
--> Processing Dependency: libglobus_ftp_control.so.1()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_gsi_cert_utils.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_gsi_credential.so.1()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_ftp_client.so.2()(64bit) for package: delegation-cli
--> Processing Dependency: libis_ifce.so.1()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_gsi_sysconfig.so.1()(64bit) for package: delegation-cli
--> Processing Dependency: libltdl.so.3()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_openssl.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_gsi_callback.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_gsi_proxy_core.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_openssl_error.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_oldgaa.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_common.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_xio.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_gssapi_error.so.2()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_proxy_ssl.so.1()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_callout.so.0()(64bit) for package: delegation-cli
--> Processing Dependency: libglobus_io.so.3()(64bit) for package: delegation-cli
--> Package dpm.x86_64 0:1.8.2-3sec.sl5 set to be updated
--> Package dpm-devel.x86_64 0:1.8.2-3sec.sl5 set to be updated
--> Package dpm-libs.x86_64 0:1.8.2-3sec.sl5 set to be updated
--> Package emi-delegation-java.noarch 0:2.1.1-1.sl5 set to be updated
--> Processing Dependency: bouncycastle for package: emi-delegation-java
```

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```
--> Processing Dependency: vomsjapi for package: emi-delegation-java
--> Processing Dependency: java for package: emi-delegation-java
--> Processing Dependency: log4j for package: emi-delegation-java
--> Processing Dependency: emi-trustmanager-axis for package: emi-delegation-java
-->> Package emi-trustmanager.noarch 0:3.0.5-1.s15 set to be updated
-->> Package emi-trustmanager-tomcat.noarch 0:3.0.0-1.s15 set to be updated
-->> Package emi-version.x86_64 0:1.7.0-1.s15 set to be updated
-->> Package emi.amga.amga-cli.x86_64 0:2.1.2-1.s15 set to be updated
--> Processing Dependency: editline for package: emi.amga.amga-cli
--> Processing Dependency: boost for package: emi.amga.amga-cli
--> Processing Dependency: libedit.so.0()(64bit) for package: emi.amga.amga-cli
-->> Package emi.saga-adapter.context-cpp.x86_64 0:1.0.2-2.s15 set to be updated
--> Processing Dependency: SAGA.lsu-cpp.engine for package: emi.saga-adapter.context-cpp
--> Processing Dependency: libsaga_engine.so()(64bit) for package: emi.saga-adapter.context-cpp
-->> Package emi.saga-adapter.isn-cpp.x86_64 0:1.0.2-1.s15 set to be updated
--> Processing Dependency: emi.saga-adapter.isn-common for package: emi.saga-adapter.isn-cpp
--> Processing Dependency: xerces-c for package: emi.saga-adapter.isn-cpp
--> Processing Dependency: libxerces-c.so.27()(64bit) for package: emi.saga-adapter.isn-cpp
-->> Package emi.saga-adapter.sd-cpp.x86_64 0:1.0.3-1.s15 set to be updated
-->> Package fetch-crl.noarch 0:2.8.4-2.e15 set to be updated
-->> Package gfal.x86_64 0:1.11.19-3.s15 set to be updated
--> Processing Dependency: srm-ifce for package: gfal
-->> Package gfal-py26.x86_64 0:1.11.19-3.s15 set to be updated
-->> Package glite-ce-cream-cli.x86_64 0:1.13.2-3.s15 set to be updated
--> Processing Dependency: uberftp for package: glite-ce-cream-cli
--> Processing Dependency: classads for package: glite-ce-cream-cli
--> Processing Dependency: log4cpp for package: glite-ce-cream-cli
--> Processing Dependency: libclassad_ns.so.1()(64bit) for package: glite-ce-cream-cli
--> Processing Dependency: libglite_wmsutils_exception.so.0()(64bit) for package: glite-ce-cream-
--> Processing Dependency: liblog4cpp.so.4()(64bit) for package: glite-ce-cream-cli
--> Processing Dependency: libglite_wmsutils_classads.so.0()(64bit) for package: glite-ce-cream-
-->> Package glite-ce-cream-client-api-c.x86_64 0:1.13.2-3.s15 set to be updated
-->> Package glite-ce-monitor-client-api-c.x86_64 0:1.13.2-2.s15 set to be updated
--> Processing Dependency: libcares.so.2()(64bit) for package: glite-ce-monitor-client-api-c
-->> Package glite-jdl-api-cpp.x86_64 0:3.2.6-1.s15 set to be updated
-->> Package glite-jobid-api-c.x86_64 0:2.0.3-1.s15 set to be updated
-->> Package glite-jobid-api-cpp.x86_64 0:1.1.3-1.s15 set to be updated
-->> Package glite-lb-client.x86_64 0:5.0.8-1.s15 set to be updated
-->> Package glite-lb-common.x86_64 0:8.0.6-1.s15 set to be updated
-->> Package glite-lbjp-common-gsoap-plugin.x86_64 0:3.0.2-7.s15 set to be updated
-->> Package glite-lbjp-common-gss.x86_64 0:3.0.4-1.s15 set to be updated
-->> Package glite-lbjp-common-trio.x86_64 0:2.1.2-7.s15 set to be updated
-->> Package glite-service-discovery-api-c.x86_64 0:2.2.3-1.s15 set to be updated
-->> Package glite-wms-brokerinfo-access.x86_64 0:3.3.2-3.s15 set to be updated
-->> Package glite-wms-ui-api-python.x86_64 0:3.3.3-3.s15 set to be updated
--> Processing Dependency: swig for package: glite-wms-ui-api-python
-->> Package glite-wms-ui-commands.x86_64 0:3.3.3-3.s15 set to be updated
--> Processing Dependency: globus-gass-copy-progs for package: glite-wms-ui-commands
--> Processing Dependency: voms-devel for package: glite-wms-ui-commands
--> Processing Dependency: libtar.so.1()(64bit) for package: glite-wms-ui-commands
-->> Package glite-wms-ui-configuration.x86_64 0:3.3.2-3.s15 set to be updated
-->> Package glite-wms-wmproxy-api-cpp.x86_64 0:3.3.3-3.s15 set to be updated
-->> Package glite-wms-wmproxy-api-java.noarch 0:3.3.3-3.s15 set to be updated
-->> Package glite-wms-wmproxy-api-python.x86_64 0:3.3.3-3.s15 set to be updated
--> Processing Dependency: PyXML for package: glite-wms-wmproxy-api-python
--> Processing Dependency: SOAPpy for package: glite-wms-wmproxy-api-python
--> Processing Dependency: python-fpconst for package: glite-wms-wmproxy-api-python
-->> Package glite-yaim-clients.noarch 0:5.0.0-1.s15 set to be updated
-->> Package glite-yaim-core.noarch 0:5.0.2-1.s15 set to be updated
-->> Package gridsite-commands.x86_64 0:1.7.15-2.s15 set to be updated
--> Processing Dependency: curl for package: gridsite-commands
--> Processing Dependency: libcurl.so.3()(64bit) for package: gridsite-commands
--> Processing Dependency: libidn.so.11()(64bit) for package: gridsite-commands
-->> Package gridsite-shared.x86_64 0:1.7.15-2.s15 set to be updated
-->> Package lcg-ManageVOTag.noarch 0:4.0.0-1 set to be updated
-->> Package lcg-info.noarch 0:1.12.2-1.e15 set to be updated
```

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```
--> Processing Dependency: perl(Net::LDAP) for package: lcg-info
--> Processing Dependency: perl(Net::LDAP::Filter) for package: lcg-info
--> Package lcg-infosites.noarch 0:3.1.0-1.el5 set to be updated
--> Package lcg-tags.noarch 0:0.4.0-2 set to be updated
--> Package lcg-util.x86_64 0:1.11.19-3.s15 set to be updated
--> Processing Dependency: gridftp-ifce for package: lcg-util
--> Processing Dependency: libglobus_gass_copy.so.2()(64bit) for package: lcg-util
--> Processing Dependency: libglobus_gass_transfer.so.2()(64bit) for package: lcg-util
--> Processing Dependency: libgridftp_ifce.so.2()(64bit) for package: lcg-util
--> Package lcg-util-py26.x86_64 0:1.11.19-3.s15 set to be updated
--> Package lcgdm-devel.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package lcgdm-libs.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package lfc.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package lfc-devel.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package lfc-libs.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package libdcap.x86_64 0:2.47.5-1 set to be updated
--> Package myproxy.x86_64 0:5.5-1.el5 set to be updated
--> Processing Dependency: myproxy-libs = 5.5-1.el5 for package: myproxy
--> Processing Dependency: globus-proxy-utils for package: myproxy
--> Processing Dependency: libmyproxy.so.5()(64bit) for package: myproxy
--> Processing Dependency: libglobus_usage.so.0()(64bit) for package: myproxy
--> Package nordugrid-arc-client.x86_64 0:1.1.0-1.el5 set to be updated
--> Processing Dependency: nordugrid-arc = 1.1.0-1.el5 for package: nordugrid-arc-client
--> Processing Dependency: libarcloader.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarccredential.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libxmlsec1.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarccredentialstore.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarcclient.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libsigc-2.0.so.0()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libglibmm-2.4.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarcdata2.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarccrypto.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarcws.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libxmlsec1-openssl.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libxslt.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarcxmlsec.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarcsecurity.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarcmessage.so.1()(64bit) for package: nordugrid-arc-client
--> Processing Dependency: libarccommon.so.1()(64bit) for package: nordugrid-arc-client
--> Package nordugrid-arc-compat.x86_64 0:1.0.0-1.el5 set to be updated
--> Processing Dependency: libglobus_rls_client.so.5()(64bit) for package: nordugrid-arc-compat
--> Processing Dependency: libglobus_rsl.so.2()(64bit) for package: nordugrid-arc-compat
--> Package nordugrid-arc-java.x86_64 0:1.1.0-1.el5 set to be updated
--> Processing Dependency: jpackage-utils for package: nordugrid-arc-java
--> Package nordugrid-arc-plugins-globus.x86_64 0:1.1.0-1.el5 set to be updated
--> Package nordugrid-arc-plugins-needed.x86_64 0:1.1.0-1.el5 set to be updated
--> Package nordugrid-arc-python.x86_64 0:1.1.0-1.el5 set to be updated
--> Package perl-dpm.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package perl-lfc.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package python-dpm.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package python-lfc.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package python26-dpm.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package python26-lfc.x86_64 0:1.8.2-3sec.s15 set to be updated
--> Package transfer-cli.x86_64 0:4.0.1-1.s15 set to be updated
--> Package transfer-interface.noarch 0:3.7.1-1.s15 set to be updated
--> Package unicore-hila-shell.noarch 0:2.2-2.s15 set to be updated
--> Package unicore-hila-unicore6.noarch 0:2.2-2.s15 set to be updated
--> Package unicore-ucc.noarch 0:6.4.1-2 set to be updated
--> Package util-c.x86_64 0:1.3.1-1.s15 set to be updated
--> Processing Dependency: glib2-devel for package: util-c
--> Package voms.x86_64 0:2.0.2-1.s15 set to be updated
--> Package voms-clients.x86_64 0:2.0.0-1.s15 set to be updated
--> Running transaction check
--> Package PyXML.x86_64 0:0.8.4-4.el5_4.2 set to be updated
--> Package SAGA.lsu-cpp.engine.x86_64 0:1.3.3-4.s15 set to be updated
--> Package SOAPpy.noarch 0:0.11.6-12.el5 set to be updated
--> Package boost.x86_64 0:1.33.1-10.el5_7.3 set to be updated
```

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```
--> Processing Dependency: libicuuc.so.36()(64bit) for package: boost
--> Processing Dependency: libicui8n.so.36()(64bit) for package: boost
-->> Package bouncycastle.x86_64 0:1.45-6.el5 set to be updated
--> Processing Dependency: java-gcj-compat for package: bouncycastle
--> Processing Dependency: java-gcj for package: bouncycastle
--> Processing Dependency: java-gcj-compat for package: bouncycastle
--> Processing Dependency: libgcj_bc.so.1()(64bit) for package: bouncycastle
-->> Package c-ares.x86_64 0:1.6.0-5.el5 set to be updated
-->> Package classads.x86_64 0:1.0.8-1.el5 set to be updated
-->> Package curl.x86_64 0:7.15.5-9.el5_7.4 set to be updated
-->> Package editline.x86_64 0:2.9-1.s15 set to be updated
-->> Package emi-trustmanager-axis.noarch 0:1.0.1-1.s15 set to be updated
--> Processing Dependency: axis for package: emi-trustmanager-axis
-->> Package emi.saga-adapter.isn-common.noarch 0:1.0.1-2.s15 set to be updated
-->> Package glib2-devel.x86_64 0:2.12.3-4.el5_3.1 set to be updated
--> Processing Dependency: pkgconfig >= 1:0.8 for package: glib2-devel
-->> Package glibmm24.x86_64 0:2.12.10-1.el5 set to be updated
-->> Package glite-wms-utils-classad.x86_64 0:3.2.2-2.s15 set to be updated
-->> Package glite-wms-utils-exception.x86_64 0:3.2.2-2.s15 set to be updated
-->> Package globus-callout.x86_64 0:0.7-8.el5 set to be updated
--> Processing Dependency: globus-libtool >= 1 for package: globus-callout
-->> Package globus-common.x86_64 0:11.6-5.el5 set to be updated
-->> Package globus-ftp-client.x86_64 0:6.0-2.el5 set to be updated
--> Processing Dependency: globus-xio-popen-driver for package: globus-ftp-client
-->> Package globus-ftp-control.x86_64 0:2.12-2.el5 set to be updated
-->> Package globus-gass-copy.x86_64 0:5.14-3.el5 set to be updated
-->> Package globus-gass-copy-progs.x86_64 0:5.14-3.el5 set to be updated
-->> Package globus-gass-transfer.x86_64 0:4.3-3.el5 set to be updated
-->> Package globus-gsi-callback.x86_64 0:2.8-2.el5 set to be updated
-->> Processing Dependency: globus-openssl >= 1 for package: globus-gsi-callback
-->> Package globus-gsi-cert-utils.x86_64 0:6.7-2.el5 set to be updated
-->> Package globus-gsi-credential.x86_64 0:3.5-3.el5 set to be updated
-->> Package globus-gsi-openssl-error.x86_64 0:0.14-8.el5 set to be updated
-->> Package globus-gsi-proxy-core.x86_64 0:4.7-2.el5 set to be updated
-->> Package globus-gsi-proxy-ssl.x86_64 0:2.3-3.el5 set to be updated
-->> Package globus-gsi-sysconfig.x86_64 0:3.2-1.el5 set to be updated
-->> Package globus-gss-assist.x86_64 0:5.10-1.el5 set to be updated
-->> Package globus-gssapi-error.x86_64 0:2.5-8.el5 set to be updated
-->> Package globus-gssapi-gsi.x86_64 0:7.8-1.el5 set to be updated
-->> Package globus-io.x86_64 0:6.3-6.el5 set to be updated
--> Processing Dependency: globus-xio-gsi-driver for package: globus-io
-->> Package globus-openssl-module.x86_64 0:1.3-3.el5 set to be updated
-->> Package globus-proxy-utils.x86_64 0:3.10-1.el5 set to be updated
-->> Package globus-rls-client.x86_64 0:5.2-4.el5 set to be updated
-->> Package globus-rsl.x86_64 0:7.3-1.el5 set to be updated
-->> Package globus-usage.x86_64 0:1.4-2.el5 set to be updated
-->> Package globus-xio.x86_64 0:2.8-4.el5 set to be updated
-->> Package gridftp-ifce.x86_64 0:2.1.1-1.s15 set to be updated
-->> Package gsoap.x86_64 0:2.7.13-4.el5 set to be updated
-->> Package is-interface.x86_64 0:1.1.3-1.s15 set to be updated
-->> Processing Dependency: c-check for package: is-interface
--> Processing Dependency: libcheck.so.0()(64bit) for package: is-interface
-->> Package java-1.6.0-openjdk.x86_64 1:1.6.0.0-1.23.1.9.10.el5_7 set to be updated
--> Processing Dependency: libjpeg = 6b for package: java-1.6.0-openjdk
--> Processing Dependency: libasound.so.2(ALSA_0.9)(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libasound.so.2(ALSA_0.9.0rc4)(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libpng12.so.0(PNG12_0)(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: tzdata-java for package: java-1.6.0-openjdk
--> Processing Dependency: libfreetype.so.6()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libXtst.so.6()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libXrender.so.1()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libasound.so.2()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libjpeg.so.62()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libpng12.so.0()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libXi.so.6()(64bit) for package: java-1.6.0-openjdk
--> Processing Dependency: libgif.so.4()(64bit) for package: java-1.6.0-openjdk
-->> Package jpackage-utils.noarch 0:1.7.3-1jpp.2.el5 set to be updated
```

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```
---> Package libidn.x86_64 0:0.6.5-1.1 set to be updated
---> Package libsigc++20.x86_64 0:2.0.18-1.el5 set to be updated
--> Processing Dependency: libtar = 1.2.11-2.2.el5.rf for package: libtar-devel
---> Package libtar.x86_64 0:1.2.11-13.el5 set to be updated
---> Package libtool-ltdl.x86_64 0:1.5.22-7.el5_4 set to be updated
---> Package libxslt.x86_64 0:1.1.17-2.el5_2.2 set to be updated
---> Package log4cpp.x86_64 0:1.0-9.el5 set to be updated
---> Package log4j.x86_64 0:1.2.13-3jpp.2 set to be updated
---> Processing Dependency: xml-commons-apis for package: log4j
---> Package myproxy-libs.x86_64 0:5.5-1.el5 set to be updated
---> Package nordugrid-arc.x86_64 0:1.1.0-1.el5 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 python-fpconst.noarch 0:0.7.3-3.el5.1 set to be updated
---> Package srm-ifce.x86_64 0:1.1.0-1.s15 set to be updated
---> Package swig.x86_64 0:1.3.29-2.el5 set to be updated
---> Package uberftp.x86_64 0:2.4-4.el5 set to be updated
---> Package voms-devel.x86_64 0:2.0.0-1.s15 set to be updated
---> Processing Dependency: openssl-devel for package: voms-devel
---> Package vomsjapi.noarch 0:2.0.6-1.s15 set to be updated
---> Processing Dependency: jakarta-commons-cli for package: vomsjapi
---> Processing Dependency: jakarta-commons-lang for package: vomsjapi
---> Package xerces-c.x86_64 0:2.7.0-8.el5 set to be updated
---> Package xmlsec1.x86_64 0:1.2.9-8.1.2 set to be updated
---> Package xmlsec1-openssl.x86_64 0:1.2.9-8.1.2 set to be updated
--> Running transaction check
---> Package alsa-lib.x86_64 0:1.0.17-1.el5 set to be updated
---> Package axis.x86_64 0:1.2.1-2jpp.6 set to be updated
--> Processing Dependency: jakarta-commons-discovery for package: axis
---> Processing Dependency: javamail for package: axis
---> Processing Dependency: jakarta-commons-logging for package: axis
---> Processing Dependency: jaf for package: axis
---> Processing Dependency: jakarta-commons-httpclient for package: axis
---> Processing Dependency: wsdl4j for package: axis
---> Package c-check.x86_64 0:0.9.8-1.s15 set to be updated
---> Package freetype.x86_64 0:2.2.1-28.el5_7.2 set to be updated
---> Package giflib.x86_64 0:4.1.3-7.3.3.el5 set to be updated
---> Package globus-libtool.x86_64 0:1.2-4.el5 set to be updated
---> Package globus-openssl.x86_64 0:5.1-2.el5 set to be updated
---> Package globus-xio-gsi-driver.x86_64 0:0.6-7.el5 set to be updated
---> Package globus-xio-popen-driver.x86_64 0:0.9-3.el5 set to be updated
---> Package jakarta-commons-cli.x86_64 0:1.0-6jpp_10.el5 set to be updated
---> Package jakarta-commons-lang.x86_64 0:2.1-5jpp.1 set to be updated
---> Package java-1.4.2-gcj-compat.x86_64 0:1.4.2.0-40jpp.115 set to be updated
---> Processing Dependency: zip for package: java-1.4.2-gcj-compat
---> Processing Dependency: gjdoc for package: java-1.4.2-gcj-compat
---> Package jdk.x86_64 2000:1.6.0_29-fcs set to be updated
---> Package libXi.x86_64 0:1.0.1-4.el5_4 set to be updated
---> Package libXrender.x86_64 0:0.9.1-3.1 set to be updated
---> Package libXtst.x86_64 0:1.0.1-3.1 set to be updated
---> Package libgcj.x86_64 0:4.1.2-51.el5 set to be updated
---> Processing Dependency: libart_lgpl >= 2.1.0 for package: libgcj
---> Processing Dependency: gtk2 >= 2.4.0 for package: libgcj
---> Processing Dependency: libgtk-x11-2.0.so.0()(64bit) for package: libgcj
---> Processing Dependency: libXrandr.so.2()(64bit) for package: libgcj
---> Processing Dependency: libpangoft2-1.0.so.0()(64bit) for package: libgcj
---> Processing Dependency: libcairo.so.2()(64bit) for package: libgcj
---> Processing Dependency: libpangocairo-1.0.so.0()(64bit) for package: libgcj
---> Processing Dependency: libatk-1.0.so.0()(64bit) for package: libgcj
---> Processing Dependency: libgdk-x11-2.0.so.0()(64bit) for package: libgcj
```

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```
--> Processing Dependency: libpango-1.0.so.0()(64bit) for package: libgcj
--> Processing Dependency: libgdk_pixbuf-2.0.so.0()(64bit) for package: libgcj
--> Package libicu.x86_64 0:3.6-5.16.1 set to be updated
--> Package libjpeg.x86_64 0:6b-37 set to be updated
--> Package libpng.x86_64 2:1.2.10-7.1.el5_7.5 set to be updated
--> Package libtar-devel.x86_64 0:1.2.11-13.el5 set to be updated
--> Package openssl-devel.x86_64 0:0.9.8e-20.el5 set to be updated
--> Processing Dependency: zlib-devel for package: openssl-devel
--> Processing Dependency: krb5-devel for package: openssl-devel
--> 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::SSLeay) >= 1.21 for package: perl-IO-Socket-SSL
--> 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(URI::URL) for package: perl-libwww-perl
--> Processing Dependency: perl(URI) 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
--> Processing Dependency: perl(URI::Escape) for package: perl-libwww-perl
--> Processing Dependency: perl(URI::Heuristic) for package: perl-libwww-perl
--> Package pkgconfig.x86_64 1:0.21-2.el5 set to be updated
--> Package tzdata-java.x86_64 0:20111-4.el5 set to be updated
--> Running transaction check
--> Package atk.x86_64 0:1.12.2-1.fc6 set to be updated
--> Package cairo.x86_64 0:1.2.4-5.el5 set to be updated
--> Processing Dependency: libfontconfig.so.1()(64bit) for package: cairo
--> Package classpathx-jaf.x86_64 0:1.0-9jpp.1 set to be updated
--> Package classpathx-mail.x86_64 0:1.1.1-4jpp.2 set to be updated
--> Package gjdoc.x86_64 0:0.7.7-12.el5 set to be updated
--> Processing Dependency: antlr for package: gjdoc
--> Package gtk2.x86_64 0:2.10.4-21.el5_5.6 set to be updated
--> Processing Dependency: libtiff >= 3.6.1 for package: gtk2
--> Processing Dependency: hicolor-icon-theme for package: gtk2
--> Processing Dependency: libtiff.so.3()(64bit) for package: gtk2
--> Processing Dependency: libXcursor.so.1()(64bit) for package: gtk2
--> Processing Dependency: libXinerama.so.1()(64bit) for package: gtk2
--> Processing Dependency: libXfixes.so.3()(64bit) for package: gtk2
--> Processing Dependency: libcups.so.2()(64bit) for package: gtk2
--> Package jakarta-commons-discovery.x86_64 1:0.3-4jpp.1 set to be updated
--> Package jakarta-commons-httpclient.x86_64 1:3.0-7jpp.1 set to be updated
--> Package jakarta-commons-logging.x86_64 0:1.0.4-6jpp.1 set to be updated
--> Package krb5-devel.x86_64 0:1.6.1-63.el5_7 set to be updated
--> Processing Dependency: krb5-libs = 1.6.1-63.el5_7 for package: krb5-devel
--> Processing Dependency: libselinux-devel for package: krb5-devel
--> Processing Dependency: e2fsprogs-devel for package: krb5-devel
--> Processing Dependency: keyutils-libs-devel for package: krb5-devel
--> Package libXrandr.x86_64 0:1.1.1-3.3 set to be updated
--> Package libart_lgpl.x86_64 0:2.3.17-4 set to be updated
--> Package pango.x86_64 0:1.14.9-8.el5_7.3 set to be updated
--> Processing Dependency: bitstream-vera-fonts for package: pango
--> Processing Dependency: libXft for package: pango
--> Processing Dependency: libXft.so.2()(64bit) for package: pango
--> 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-URI.noarch 0:1.35-3 set to be updated
--> Package perl-XML-NamespaceSupport.noarch 0:1.09-1.2.1 set to be updated
--> Package wsdl4j.x86_64 0:1.5.2-4jpp.1 set to be updated
--> Package zip.x86_64 0:2.31-2.el5 set to be updated
--> Package zlib-devel.x86_64 0:1.2.3-4.el5 set to be updated
--> Running transaction check
--> Package antlr.x86_64 0:2.7.6-4jpp.2 set to be updated
--> Package bitstream-vera-fonts.noarch 0:1.10-7 set to be updated
```

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```
---> Package cups-libs.x86_64 1:1.3.7-26.el5_6.1 set to be updated
---> Processing Dependency: libgnutls.so.13(GNUTLS_1_3) (64bit) for package: cups-libs
---> Processing Dependency: libgnutls.so.13()(64bit) for package: cups-libs
---> Package e2fsprogs-devel.x86_64 0:1.39-33.el5 set to be updated
---> Package fontconfig.x86_64 0:2.4.1-7.el5 set to be updated
---> Package hicolor-icon-theme.noarch 0:0.9-2.1 set to be updated
---> Package keyutils-libs-devel.x86_64 0:1.2-1.el5 set to be updated
---> Package krb5-libs.i386 0:1.6.1-63.el5_7 set to be updated
---> Package krb5-libs.x86_64 0:1.6.1-63.el5_7 set to be updated
---> Package libXcursor.x86_64 0:1.1.7-1.1 set to be updated
---> Package libXfixes.x86_64 0:4.0.1-2.1 set to be updated
---> Package libXft.x86_64 0:2.1.10-1.1 set to be updated
---> Package libXinerama.x86_64 0:1.0.1-2.1 set to be updated
---> Package libselinux-devel.x86_64 0:1.33.4-5.7.el5 set to be updated
---> Processing Dependency: libsepol-devel >= 1.15.2-1 for package: libselinux-devel
---> Package libtiff.x86_64 0:3.8.2-7.el5_6.7 set to be updated
---> Package perl-HTML-Tagset.noarch 0:3.10-2.1.1 set to be updated
--> Running transaction check
---> Package gnutls.x86_64 0:1.4.1-3.el5_4.8 set to be updated
---> Package libsepol-devel.x86_64 0:1.15.2-3.el5 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
```

Dependencies Resolved

Package	Arch	Ve
<hr/>		
Installing:		
emi-ui	noarch	1.
Installing for dependencies:		
CGSI_gSOAP_2.7	x86_64	1.
PyXML	x86_64	0.
SAGA.lsu-cpp.engine	x86_64	1.
SOAPpy	noarch	0.
alsa-lib	x86_64	1.
antlr	x86_64	2.
atk	x86_64	1.
axis	x86_64	1.
bitstream-vera-fonts	noarch	1.
boost	x86_64	1.
bouncycastle	x86_64	1.
c-ares	x86_64	1.
c-check	x86_64	0.
cairo	x86_64	1.
classads	x86_64	1.
classpathx-jaf	x86_64	1.
classpathx-mail	x86_64	1.
cups-libs	x86_64	1:
curl	x86_64	7.
dcache-srmclient	noarch	1.
dcap	x86_64	2.
delegation-api-c	x86_64	2.
delegation-cli	x86_64	2.
dpm	x86_64	1.
dpm-devel	x86_64	1.
dpm-libs	x86_64	1.
e2fsprogs-devel	x86_64	1.
editline	x86_64	2.
emi-delegation-java	noarch	2.
emi-trustmanager	noarch	3.
emi-trustmanager-axis	noarch	1.
emi-trustmanager-tomcat	noarch	3.
emi-version	x86_64	1.
emi.amga.amga-cli	x86_64	2.
emi.saga-adapter.context-cpp	x86_64	1.

yum install

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emi.saga-adapter.isn-common	noarch	1.
emi.saga-adapter.isn-cpp	x86_64	1.
emi.saga-adapter.sd-cpp	x86_64	1.
fetch-crl	noarch	2.
fontconfig	x86_64	2.
freetype	x86_64	2.
gfal	x86_64	1.
gfal-py26	x86_64	1.
giflib	x86_64	4.
gjdoc	x86_64	0.
glib2-devel	x86_64	2.
glibmm24	x86_64	2.
glite-ce-cream-cli	x86_64	1.
glite-ce-cream-client-api-c	x86_64	1.
glite-ce-monitor-client-api-c	x86_64	1.
glite-jdl-api-cpp	x86_64	3.
glite-jobid-api-c	x86_64	2.
glite-jobid-api-cpp	x86_64	1.
glite-lb-client	x86_64	5.
glite-lb-common	x86_64	8.
glite-lbjp-common-gsoap-plugin	x86_64	3.
glite-lbjp-common-gss	x86_64	3.
glite-lbjp-common-trio	x86_64	2.
glite-service-discovery-api-c	x86_64	2.
glite-wms-brokerinfo-access	x86_64	3.
glite-wms-ui-api-python	x86_64	3.
glite-wms-ui-commands	x86_64	3.
glite-wms-ui-configuration	x86_64	3.
glite-wms-utils-classad	x86_64	3.
glite-wms-utils-exception	x86_64	3.
glite-wms-wmproxy-api-cpp	x86_64	3.
glite-wms-wmproxy-api-java	noarch	3.
glite-wms-wmproxy-api-python	x86_64	3.
glite-yaim-clients	noarch	5.
glite-yaim-core	noarch	5.
globus-callout	x86_64	0.
globus-common	x86_64	11.
globus-ftp-client	x86_64	6.
globus-ftp-control	x86_64	2.
globus-gass-copy	x86_64	5.
globus-gass-copy-progs	x86_64	5.
globus-gass-transfer	x86_64	4.
globus-gsi-callback	x86_64	2.
globus-gsi-cert-utils	x86_64	6.
globus-gsi-credential	x86_64	3.
globus-gsi-openssl-error	x86_64	0.
globus-gsi-proxy-core	x86_64	4.
globus-gsi-proxy-ssl	x86_64	2.
globus-gsi-sysconfig	x86_64	3.
globus-gss-assist	x86_64	5.
globus-gssapi-error	x86_64	2.
globus-gssapi-gsi	x86_64	7.
globus-io	x86_64	6.
globus-libtool	x86_64	1.
globus-openssl	x86_64	5.
globus-openssl-module	x86_64	1.
globus-proxy-utils	x86_64	3.
globus-rls-client	x86_64	5.
globus-rsl	x86_64	7.
globus-usage	x86_64	1.
globus-xio	x86_64	2.
globus-xio-gsi-driver	x86_64	0.
globus-xio-popen-driver	x86_64	0.
gnutls	x86_64	1.
gridftp-ifce	x86_64	2.
gridsite-commands	x86_64	1.
gridsite-shared	x86_64	1.

yum install

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gsoap	x86_64	2.
gtk2	x86_64	2.
hicolor-icon-theme	noarch	0.
is-interface	x86_64	1..
jakarta-commons-cli	x86_64	1..
jakarta-commons-discovery	x86_64	1:
jakarta-commons-httpclient	x86_64	1:
jakarta-commons-lang	x86_64	2..
jakarta-commons-logging	x86_64	1..
java-1.4.2-gcj-compat	x86_64	1..
java-1.6.0-openjdk	x86_64	1:
jdk	x86_64	20
jpackage-utils	noarch	1..
keyutils-libs-devel	x86_64	1..
krb5-devel	x86_64	1..
lcg-ManageVOTag	noarch	4..
lcg-info	noarch	1..
lcg-infosites	noarch	3..
lcg-tags	noarch	0..
lcg-util	x86_64	1..
lcg-util-py26	x86_64	1..
lcgdm-devel	x86_64	1..
lcgdm-libs	x86_64	1..
lfc	x86_64	1..
lfc-devel	x86_64	1..
lfc-libs	x86_64	1..
libXcursor	x86_64	1..
libXfixes	x86_64	4..
libXft	x86_64	2..
libXi	x86_64	1..
libXinerama	x86_64	1..
libXrandr	x86_64	1..
libXrender	x86_64	0..
libXtst	x86_64	1..
libart_lgpl	x86_64	2..
libdcap	x86_64	2..
libgcj	x86_64	4..
libicu	x86_64	3..
libidn	x86_64	0..
libjpeg	x86_64	6b
libpng	x86_64	2..
libselinux-devel	x86_64	1..
libsepol-devel	x86_64	1..
libsigc++20	x86_64	2..
libtiff	x86_64	3..
libtool-ltdl	x86_64	1..
libxslt	x86_64	1..
log4cpp	x86_64	1..
log4j	x86_64	1..
myproxy	x86_64	5..
myproxy-libs	x86_64	5..
nordugrid-arc	x86_64	1..
nordugrid-arc-client	x86_64	1..
nordugrid-arc-compat	x86_64	1..
nordugrid-arc-java	x86_64	1..
nordugrid-arc-plugins-globus	x86_64	1..
nordugrid-arc-plugins-needed	x86_64	1..
nordugrid-arc-python	x86_64	1..
openssl-devel	x86_64	0..
pango	x86_64	1..
perl-Compress-Zlib	x86_64	1..
perl-Convert-ASN1	noarch	0..
perl-HTML-Parse	x86_64	3..
perl-HTML-Tagset	noarch	3..
perl-IO-Socket-SSL	noarch	1..
perl-LDAP	noarch	1..
perl-Net-SSLeay	x86_64	1..

yum install

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## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

perl-URI	noarch	1.
perl-XML-NamespaceSupport	noarch	1.
perl-XML-SAX	noarch	0.
perl-dpm	x86_64	1..
perl-lfc	x86_64	1..
perl-libwww-perl	noarch	5..
pkgconfig	x86_64	1:
python-dpm	x86_64	1..
python-fpconst	noarch	0..
python-lfc	x86_64	1..
python26-dpm	x86_64	1..
python26-lfc	x86_64	1..
srm-ifce	x86_64	1..
swig	x86_64	1..
transfer-cli	x86_64	4..
transfer-interface	noarch	3..
tzdata-java	x86_64	20..
uberftp	x86_64	2..
unicore-hila-shell	noarch	2..
unicore-hila-unicore6	noarch	2..
unicore-ucc	noarch	6..
util-c	x86_64	1..
voms	x86_64	2..
voms-clients	x86_64	2..
voms-devel	x86_64	2..
vomsjapi	noarch	2..
wsdl4j	x86_64	1..
xerces-c	x86_64	2..
xmlsec1	x86_64	1..
xmlsec1-openssl	x86_64	1..
zip	x86_64	2..
zlib-devel	x86_64	1..
Updating for dependencies:		
krb5-libs	i386	1..
krb5-libs	x86_64	1..
libtar	x86_64	1..
libtar-devel	x86_64	1..

### Transaction Summary

Install	202 Package(s)
Upgrade	4 Package(s)

Total download size: 336 M

Is this ok [y/N]: y

Downloading Packages:

(1/206): emi-version-1.7.0-1.sl5.x86_64.rpm	
(2/206): emi-ui-1.0.0-0.sl5.noarch.rpm	
(3/206): globus-libtool-1.2-4.el5.x86_64.rpm	
(4/206): glite-jobid-api-cpp-1.1.3-1.sl5.x86_64.rpm	
(5/206): globus-openssl-5.1-2.el5.x86_64.rpm	
(6/206): lcg-ManageVOTag-4.0.0-1.noarch.rpm	
(7/206): glite-wms-ui-configuration-3.3.2-3.sl5.x86_64.rpm	
(8/206): lcg-tags-0.4.0-2.noarch.rpm	
(9/206): libXinerama-1.0.1-2.1.x86_64.rpm	
(10/206): lcg-infosites-3.1.0-1.el5.noarch.rpm	
(11/206): lcg-info-1.12.2-1.el5.noarch.rpm	
(12/206): globus-openssl-module-1.3-3.el5.x86_64.rpm	
(13/206): globus-gssapi-error-2.5-8.el5.x86_64.rpm	
(14/206): perl-HTML-Tagset-3.10-2.1.1.noarch.rpm	
(15/206): globus-gsi-openssl-error-0.14-8.el5.x86_64.rpm	
(16/206): libXfixes-4.0.1-2.1.x86_64.rpm	
(17/206): python-fpconst-0.7.3-3.el5.noarch.rpm	
(18/206): libXrandr-1.1.1-3.3.x86_64.rpm	
(19/206): perl-XML-NamespaceSupport-1.09-1.2.1.noarch.rpm	
(20/206): globus-usage-1.4-2.el5.x86_64.rpm	
(21/206): libXtst-1.0.1-3.1.x86_64.rpm	

## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

(22/206) : globus-callout-0.7-8.el5.x86\_64.rpm  
(23/206) : emi.saga-adapter.isn-common-1.0.1-2.sl5.noarch.rpm  
(24/206) : globus-xio-popen-driver-0.9-3.el5.x86\_64.rpm  
(25/206) : globus-gsi-proxy-ssl-2.3-3.el5.x86\_64.rpm  
(26/206) : voms-devel-2.0.0-1.sl5.x86\_64.rpm  
(27/206) : globus-gsi-cert-utils-6.7-2.el5.x86\_64.rpm  
(28/206) : glite-jobid-api-c-2.0.3-1.sl5.x86\_64.rpm  
(29/206) : glite-yaim-clients-5.0.0-1.sl5.noarch.rpm  
(30/206) : fetch-crl-2.8.4-2.el5.noarch.rpm  
(31/206) : hicolor-icon-theme-0.9-2.1.noarch.rpm  
(32/206) : libXi-1.0.1-4.el5\_4.x86\_64.rpm  
(33/206) : libtar-devel-1.2.11-13.el5.x86\_64.rpm  
(34/206) : globus-rsl-7.3-1.el5.x86\_64.rpm  
(35/206) : keyutils-libs-devel-1.2-1.el5.x86\_64.rpm  
(36/206) : libXrender-0.9.1-3.1.x86\_64.rpm  
(37/206) : globus-gsi-sysconfig-3.2-1.el5.x86\_64.rpm  
(38/206) : emi-trustmanager-axis-1.0.1-1.sl5.noarch.rpm  
(39/206) : gridsite-commands-1.7.15-2.sl5.x86\_64.rpm  
(40/206) : globus-xio-gsi-driver-0.6-7.el5.x86\_64.rpm  
(41/206) : java-1.4.2-gcj-compat-1.4.2.0-40jpp.115.x86\_64.rpm  
(42/206) : emi-trustmanager-tomcat-3.0.0-1.sl5.noarch.rpm  
(43/206) : glite-wms-utils-classad-3.2.2-2.sl5.x86\_64.rpm  
(44/206) : libtar-1.2.11-13.el5.x86\_64.rpm  
(45/206) : globus-rls-client-5.2-4.el5.x86\_64.rpm  
(46/206) : globus-gss-assist-5.10-1.el5.x86\_64.rpm  
(47/206) : libXcursor-1.1.7-1.1.x86\_64.rpm  
(48/206) : globus-gsi-credential-3.5-3.el5.x86\_64.rpm  
(49/206) : glite-wms-utils-exception-3.2.2-2.sl5.x86\_64.rpm  
(50/206) : globus-gsi-proxy-core-4.7-2.el5.x86\_64.rpm  
(51/206) : gridftp-ifce-2.1.1-1.sl5.x86\_64.rpm  
(52/206) : globus-gass-copy-5.14-3.el5.x86\_64.rpm  
(53/206) : libtool-ltdl-1.5.22-7.el5\_4.x86\_64.rpm  
(54/206) : globus-gsi-callback-2.8-2.el5.x86\_64.rpm  
(55/206) : giflib-4.1.3-7.3.3.el5.x86\_64.rpm  
(56/206) : util-c-1.3.1-1.sl5.x86\_64.rpm  
(57/206) : globus-gass-transfer-4.3-3.el5.x86\_64.rpm  
(58/206) : perl-Convert-ASN1-0.20-1.1.noarch.rpm  
(59/206) : glite-lbjp-common-gss-3.0.4-1.sl5.x86\_64.rpm  
(60/206) : globus-io-6.3-6.el5.x86\_64.rpm  
(61/206) : globus-gass-copy-progs-5.14-3.el5.x86\_64.rpm  
(62/206) : libXft-2.1.10-1.1.x86\_64.rpm  
(63/206) : globus-proxy-utils-3.10-1.el5.x86\_64.rpm  
(64/206) : glite-service-discovery-api-c-2.2.3-1.sl5.x86\_64.rpm  
(65/206) : perl-IO-Socket-SSL-1.01-1.fc6.noarch.rpm  
(66/206) : c-ares-1.6.0-5.el5.x86\_64.rpm  
(67/206) : libsigc++20-2.0.18-1.el5.x86\_64.rpm  
(68/206) : perl-Compress-Zlib-1.42-1.fc6.x86\_64.rpm  
(69/206) : globus-gssapi-gsi-7.8-1.el5.x86\_64.rpm  
(70/206) : delegation-cli-2.1.1-1.sl5.x86\_64.rpm  
(71/206) : glite-wms-wmproxy-api-python-3.3.3-3.sl5.x86\_64.rpm  
(72/206) : jpackage-utils-1.7.3-1jpp.2.el5.noarch.rpm  
(73/206) : pkgconfig-0.21-2.el5.x86\_64.rpm  
(74/206) : glite-wms-brokerinfo-access-3.3.2-3.sl5.x86\_64.rpm  
(75/206) : dcap-2.47.5-1.x86\_64.rpm  
(76/206) : globus-ftp-control-2.12-2.el5.x86\_64.rpm  
(77/206) : is-interface-1.1.3-1.sl5.x86\_64.rpm  
(78/206) : glite-lbjp-common-trio-2.1.2-7.sl5.x86\_64.rpm  
(79/206) : libart\_lgpl-2.3.17-4.x86\_64.rpm  
(80/206) : jakarta-commons-cli-1.0-6jpp\_10.el5.x86\_64.rpm  
(81/206) : perl-XML-SAX-0.14-8.noarch.rpm  
(82/206) : xmlsec1-openssl-1.2.9-8.1.2.x86\_64.rpm  
(83/206) : uberftp-2.4-4.el5.x86\_64.rpm  
(84/206) : myproxy-5.5-1.el5.x86\_64.rpm  
(85/206) : perl-HTML-Parser-3.55-1.fc6.x86\_64.rpm  
(86/206) : CGSI\_gSOAP\_2.7-1.3.4-2.sl5.x86\_64.rpm  
(87/206) : globus-ftp-client-6.0-2.el5.x86\_64.rpm  
(88/206) : emi-delegation-java-2.1.1-1.sl5.noarch.rpm

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(89/206) : lfc-libs-1.8.2-3sec.sl5.x86\_64.rpm  
(90/206) : zlib-devel-1.2.3-4.el5.x86\_64.rpm  
(91/206) : delegation-api-c-2.1.1-1.sl5.x86\_64.rpm  
(92/206) : libdcap-2.47.5-1.x86\_64.rpm  
(93/206) : globus-common-11.6-5.el5.x86\_64.rpm  
(94/206) : classpathx-jaf-1.0-9jpp.1.x86\_64.rpm  
(95/206) : jakarta-commons-logging-1.0.4-6jpp.1.x86\_64.rpm  
(96/206) : perl-URI-1.35-3.noarch.rpm  
(97/206) : glite-yaim-core-5.0.2-1.sl5.noarch.rpm  
(98/206) : myproxy-libs-5.5-1.el5.x86\_64.rpm  
(99/206) : globus-xio-2.8-4.el5.x86\_64.rpm  
(100/206) : gridsite-shared-1.7.15-2.sl5.x86\_64.rpm  
(101/206) : vomsjapi-2.0.6-1.sl5.noarch.rpm  
(102/206) : zip-2.31-2.el5.x86\_64.rpm  
(103/206) : transfer-interface-3.7.1-1.sl5.noarch.rpm  
(104/206) : libjpeg-6b-37.x86\_64.rpm  
(105/206) : c-check-0.9.8-1.sl5.x86\_64.rpm  
(106/206) : glibmm24-2.12.10-1.el5.x86\_64.rpm  
(107/206) : libselinux-devel-1.33.4-5.7.el5.x86\_64.rpm  
(108/206) : jakarta-commons-discovery-0.3-4jpp.1.x86\_64.rpm  
(109/206) : lcgdm-libs-1.8.2-3sec.sl5.x86\_64.rpm  
(110/206) : voms-2.0.2-1.sl5.x86\_64.rpm  
(111/206) : fontconfig-2.4.1-7.el5.x86\_64.rpm  
(112/206) : voms-clients-2.0.0-1.sl5.x86\_64.rpm  
(113/206) : tzdata-java-2011l-4.el5.x86\_64.rpm  
(114/206) : perl-Net-SSLeay-1.30-4.fc6.x86\_64.rpm  
(115/206) : libsepol-devel-1.15.2-3.el5.x86\_64.rpm  
(116/206) : xmlsec1-1.2.9-8.1.2.x86\_64.rpm  
(117/206) : libidn-0.6.5-1.1.x86\_64.rpm  
(118/206) : cups-libs-1.3.7-26.el5\_6.1.x86\_64.rpm  
(119/206) : log4cpp-1.0-9.el5.x86\_64.rpm  
(120/206) : lcgdm-devel-1.8.2-3sec.sl5.x86\_64.rpm  
(121/206) : atk-1.12.2-1.fc6.x86\_64.rpm  
(122/206) : curl-7.15.5-9.el5\_7.4.x86\_64.rpm  
(123/206) : libpng-1.2.10-7.1.el5\_7.5.x86\_64.rpm  
(124/206) : glite-wms-wmproxy-api-java-3.3.3-3.sl5.noarch.rpm  
(125/206) : editline-2.9-1.sl5.x86\_64.rpm  
(126/206) : emi-trustmanager-3.0.5-1.sl5.noarch.rpm  
(127/206) : SOAPpy-0.11.6-12.el5.noarch.rpm  
(128/206) : freetype-2.2.1-28.el5\_7.2.x86\_64.rpm  
(129/206) : libtiff-3.8.2-7.el5\_6.7.x86\_64.rpm  
(130/206) : perl-LDAP-0.33-3.fc6.noarch.rpm  
(131/206) : lfc-devel-1.8.2-3sec.sl5.x86\_64.rpm  
(132/206) : dpm-libs-1.8.2-3sec.sl5.x86\_64.rpm  
(133/206) : emi.saga-adapter.context-cpp-1.0.2-2.sl5.x86\_64.rpm  
(134/206) : perl-lfc-1.8.2-3sec.sl5.x86\_64.rpm  
(135/206) : pango-1.14.9-8.el5\_7.3.x86\_64.rpm  
(136/206) : nordugrid-arc-plugins-globus-1.1.0-1.el5.x86\_64.rpm  
(137/206) : bitstream-vera-fonts-1.10-7.noarch.rpm  
(138/206) : gnutls-1.4.1-3.el5\_4.8.x86\_64.rpm  
(139/206) : perl-libwww-perl-5.805-1.1.1.noarch.rpm  
(140/206) : cairo-1.2.4-5.el5.x86\_64.rpm  
(141/206) : glite-lb-common-8.0.6-1.sl5.x86\_64.rpm  
(142/206) : emi.amga.amga-cli-2.1.2-1.sl5.x86\_64.rpm  
(143/206) : alsa-lib-1.0.17-1.el5.x86\_64.rpm  
(144/206) : lcg-util-py26-1.11.19-3.sl5.x86\_64.rpm  
(145/206) : lcg-util-1.11.19-3.sl5.x86\_64.rpm  
(146/206) : wsdl4j-1.5.2-4jpp.1.x86\_64.rpm  
(147/206) : perl-dpm-1.8.2-3sec.sl5.x86\_64.rpm  
(148/206) : gsoap-2.7.13-4.el5.x86\_64.rpm  
(149/206) : classads-1.0.8-1.el5.x86\_64.rpm  
(150/206) : libxslt-1.1.17-2.el5\_2.2.x86\_64.rpm  
(151/206) : jakarta-commons-lang-2.1-5jpp.1.x86\_64.rpm  
(152/206) : glite-wms-wmproxy-api-cpp-3.3.3-3.sl5.x86\_64.rpm  
(153/206) : nordugrid-arc-java-1.1.0-1.el5.x86\_64.rpm  
(154/206) : jakarta-commons-httpclient-3.0-7jpp.1.x86\_64.rpm  
(155/206) : python26-dpm-1.8.2-3sec.sl5.x86\_64.rpm

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```
(156/206): python-dpm-1.8.2-3sec.s15.x86_64.rpm
(157/206): nordugrid-arc-client-1.1.0-1.e15.x86_64.rpm
(158/206): e2fsprogs-devel-1.39-33.el5.x86_64.rpm
(159/206): dpm-devel-1.8.2-3sec.s15.x86_64.rpm
(160/206): krb5-libs-1.6.1-63.el5_7.i386.rpm
(161/206): krb5-libs-1.6.1-63.el5_7.x86_64.rpm
(162/206): srm-ifce-1.1.0-1.s15.x86_64.rpm
(163/206): log4j-1.2.13-3jpp.2.x86_64.rpm
(164/206): emi.saga-adapter.isn-cpp-1.0.2-1.s15.x86_64.rpm
(165/206): boost-1.33.1-10.el5_7.3.x86_64.rpm
(166/206): gjdoc-0.7.7-12.el5.x86_64.rpm
(167/206): transfer-cli-4.0.1-1.s15.x86_64.rpm
(168/206): glite-wms-ui-api-python-3.3.3-3.s15.x86_64.rpm
(169/206): python26-lfc-1.8.2-3sec.s15.x86_64.rpm
(170/206): python-lfc-1.8.2-3sec.s15.x86_64.rpm
(171/206): PyXML-0.8.4-4.el5_4.2.x86_64.rpm
(172/206): glite-lb-client-5.0.0-8.s15.x86_64.rpm
(173/206): antlr-2.7.6-4jpp.2.x86_64.rpm
(174/206): glite-ce-cream-client-api-c-1.13.2-3.s15.x86_64.rpm
(175/206): classpathx-mail-1.1.1-4jpp.2.x86_64.rpm
(176/206): gfal-py26-1.11.19-3.s15.x86_64.rpm
(177/206): gfal-1.11.19-3.s15.x86_64.rpm
(178/206): glib2-devel-2.12.3-4.el5_3.1.x86_64.rpm
(179/206): xerces-c-2.7.0-8.el5.x86_64.rpm
(180/206): nordugrid-arc-plugins-needed-1.1.0-1.el5.x86_64.rpm
(181/206): glite-lbjp-common-gsoap-plugin-3.0.2-7.s15.x86_64.rpm
(182/206): nordugrid-arc-python-1.1.0-1.el5.x86_64.rpm
(183/206): lfc-1.8.2-3sec.s15.x86_64.rpm
(184/206): nordugrid-arc-1.1.0-1.el5.x86_64.rpm
(185/206): glite-wms-ui-commands-3.3.3-3.s15.x86_64.rpm
(186/206): openssl-devel-0.9.8e-20.el5.x86_64.rpm
(187/206): krb5-devel-1.6.1-63.el5_7.x86_64.rpm
(188/206): nordugrid-arc-compat-1.0.0-1.el5.x86_64.rpm
(189/206): glite-jdl-api-cpp-3.2.6-1.s15.x86_64.rpm
(190/206): glite-ce-cream-cli-1.13.2-3.s15.x86_64.rpm
(191/206): glite-ce-monitor-client-api-c-1.13.2-2.s15.x86_64.rpm
(192/206): swig-1.3.29-2.el5.x86_64.rpm
(193/206): unicore-hila-shell-2.2-2.s15.noarch.rpm
(194/206): axis-1.2.1-2jpp.6.x86_64.rpm
(195/206): bouncycastle-1.45-6.el5.x86_64.rpm
(196/206): dpm-1.8.2-3sec.s15.x86_64.rpm
(197/206): emi.saga-adapter.sd-cpp-1.0.3-1.s15.x86_64.rpm
(198/206): libicu-3.6-5.16.1.x86_64.rpm
(199/206): gtk2-2.10.4-21.el5_5.6.x86_64.rpm
(200/206): dcache-srmclient-1.9.5-23.noarch.rpm
(201/206): libgcj-4.1.2-51.el5.x86_64.rpm
(202/206): unicore-hila-unicore6-2.2-2.s15.noarch.rpm
(203/206): unicore-ucc-6.4.1-2.noarch.rpm
(204/206): java-1.6.0-openjdk-1.6.0.0-1.23.1.9.10.el5_7.x86_64.rpm
(205/206): SAGA.lsu-cpp.engine-1.3.3-4.s15.x86_64.rpm
(206/206): jdk-1.6.0_29-fcs.x86_64.rpm
-----
```

Total

```
avvertimento: rpmts_HdrFromFdno: Header V3 DSA signature: NOKEY, key ID df9e12ef
EMI-1-base/gpgkey
```

```
Importing GPG key 0xDF9E12EF "Doina Cristina Aiftimiei (EMI Release Manager) <aiftim@pd.infn.it>"
```

```
Is this ok [y/N]: y
```

```
Running rpm_check_debug
```

```
Running Transaction Test
```

```
Finished Transaction Test
```

```
Transaction Test Succeeded
```

```
Running Transaction
```

```
  Installing : libtool-ltdl
  Installing : voms
  Installing : gsoap
  Installing : gridsite-shared
  Installing : classads
```

## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
Installing      : libXrender
Installing      : libsigc++20
Installing      : glibmm24
Installing      : freetype
Installing      : glite-jobid-api-c
Updating        : krb5-libs
Installing      : glite-wms-utils-exception
Installing      : libxslt
Installing      : xmlsec1
Installing      : fontconfig
Installing      : glite-wms-utils-classad
Installing      : libpng
Installing      : c-ares
Installing      : libjpeg
Installing      : cairo
Installing      : xmlsec1-openssl
Installing      : nordugrid-arc
Installing      : glite-service-discovery-api-c
Installing      : glite-lbjp-common-trio
Installing      : nordugrid-arc-plugins-needed
Installing      : libtiff
Installing      : libXrandr
Installing      : voms-clients
Installing      : libidn
Updating        : libtar
Installing      : atk
Installing      : alsa-lib
Installing      : libdcap
Installing      : libXi
Installing      : PyXML
Installing      : libXtst
Installing      : log4cpp
Installing      : c-check
Installing      : is-interface
Installing      : libXfixes
Installing      : zip
Installing      : libXcursor
Installing      : dcap
Installing      : curl
Installing      : gridsite-commands
Installing      : nordugrid-arc-client
Installing      : nordugrid-arc-python
Installing      : libXft
Installing      : glite-wms-brokerinfo-access
Installing      : perl-Compress-Zlib
Installing      : pkgconfig
Installing      : glib2-devel
Installing      : util-c
Installing      : gnutls
Installing      : cups-libs
Installing      : libicu
Installing      : boost
Installing      : SAGA.lsu-cpp.engine
Installing      : emi.saga-adapter.context-cpp
Installing      : emi.saga-adapter.sd-cpp
Installing      : glite-ce-cream-client-api-c
Installing      : glite-wms-wmproxy-api-cpp
Installing      : libart_lgpl
Installing      : editline
Installing      : emi.amga.amga-cli
Installing      : perl-Net-SSLeay
Installing      : giflib
Installing      : libXinerama
Installing      : swig
Installing      : xerces-c
Installing      : globus-openssl
Installing      : globus-gsi-proxy-ssl
```

yum install

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## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
Installing      : jpackage-utils
Installing      : glide-jobid-api-cpp
Installing      : glide-jdl-api-cpp
Installing      : emi-trustmanager
Installing      : globus-libtool
Installing      : globus-common
Installing      : globus-gsi-openssl-error
Installing      : globus-gsi-sysconfig
Installing      : globus-openssl-module
Installing      : globus-gsi-cert-utils
Installing      : globus-gsi-callback
Installing      : globus-gsi-credential
Installing      : globus-gsi-proxy-core
Installing      : globus-gssapi-gsi
Installing      : globus-xio
Installing      : globus-callout
Installing      : globus-gss-assist
Installing      : globus-gssapi-error
Installing      : CGSI_gSOAP_2.7
Installing      : lcgdm-libs
Installing      : glite-lbjp-common-gss
Installing      : lfc-libs
Installing      : dpm-libs
Installing      : glite-lb-common
Installing      : glite-lb-client
Installing      : delegation-api-c
Installing      : lcgdm-devel
Installing      : glite-wms-ui-api-python
Installing      : python-dpm
Installing      : python-lfc
Installing      : python-fpconst
Installing      : glite-wms-ui-configuration
Installing      : python26-lfc
Installing      : python26-dpm
Installing      : perl-dpm
Installing      : perl-lfc
Installing      : glite-ce-monitor-client-api-c
Installing      : glite-lbjp-common-gsoap-plugin
Installing      : dpm
Installing      : lfc
Installing      : globus-xio-gsi-driver
Installing      : globus-io
Installing      : globus-ftp-control
Installing      : globus-gass-transfer
Installing      : globus-rls-client
Installing      : myproxy-libs
Installing      : globus-proxy-utils
Installing      : globus-usage
Installing      : myproxy
Installing      : globus-xio-popen-driver
Installing      : globus-ftp-client
Installing      : srm-ifce
Installing      : gfal-py26
Installing      : gfal
Installing      : globus-gass-copy
Installing      : delegation-cli
Installing      : gridftp-ifce
Installing      : lcg-util
Installing      : lcg-util-py26
Installing      : transfer-cli
Installing      : globus-gass-copy-progs
Installing      : nordugrid-arc-plugins-globus
Installing      : uberftp
Installing      : glite-ce-cream-cli
Installing      : globus-rsl
Installing      : nordugrid-arc-compat
Installing      : SOAPpy
```

yum install

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## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
Installing      : glite-wms-wmproxy-api-python
Installing      : dpm-devel
Installing      : lfc-devel
Installing      : perl-IO-Socket-SSL
Installing      : perl-XML-NamespaceSupport
Installing      : perl-XML-SAX
Installing      : glite-yaim-clients
Installing      : bitstream-vera-fonts
Installing      : pango
Installing      : jdk
Unpacking JAR files...
  rt.jar...
  jsse.jar...
  charsets.jar...
  tools.jar...
  localedata.jar...
  plugin.jar...
  javaws.jar...
  deploy.jar...
Installing      : tzdata-java
Installing      : transfer-interface
Installing      : libsepol-devel
Installing      : libselinux-devel
Installing      : keyutils-libs-devel
Installing      : fetch-crl
Installing      : emi-version
Installing      : perl-URI
Installing      : zlib-devel
Installing      : hicolor-icon-theme
Installing      : gtk2
Installing      : libgcj
Installing      : java-1.6.0-openjdk
Installing      : unicore-hila-unicore6
Installing      : nordugrid-arc-java
Installing      : unicore-hila-shell
Installing      : unicore-ucc
Installing      : e2fsprogs-devel
Installing      : krb5-devel
Installing      : openssl-devel
Installing      : voms-devel
Installing      : glite-wms-ui-commands
Installing      : dcache-srmclient
Installing      : glite-yaim-core
Installing      : lcg-ManageVOTag
Installing      : perl-HTML-Tagset
Installing      : perl-HTML-Parser
Installing      : perl-libwww-perl
Installing      : perl-Convert-ASN1
Installing      : perl-LDAP
Installing      : lcg-infosites
Installing      : lcg-tags
Installing      : lcg-info
Installing      : emi.saga-adapter.isn-common
Installing      : emi.saga-adapter.isn-cpp
Updating        : krb5-libs
Updating        : libtar-devel
Installing      : java-1.4.2-gcj-compat
Installing      : jakarta-commons-logging
Installing      : log4j
Installing      : bouncycastle
Installing      : classpathx-jaf
Installing      : jakarta-commons-lang
Installing      : jakarta-commons-cli
Installing      : classpathx-mail
Installing      : jakarta-commons-httpclient
Installing      : jakarta-commons-discovery
Installing      : gjdoc
```

yum install

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```

Installing      : wsdl4j
Installing      : axis
Installing      : antlr
Installing      : emi-trustmanager-axis
Installing      : vomsjapi
Installing      : emi-delegation-java
Installing      : glite-wms-wmproxy-api-java
Installing      : emi-trustmanager-tomcat
Installing      : emi-ui
Cleanup         : krb5-libs
Cleanup         : krb5-libs
Cleanup         : libtar-devel
Cleanup         : libtar

```

Installed:

```
emi-ui.noarch 0:1.0.0-0.s15
```

Dependency Installed:

```

CGSI_gSOAP_2.7.x86_64 0:1.3.4-2.s15
SOAPpy.noarch 0:0.11.6-12.el5
atk.x86_64 0:1.12.2-1.fc6
boost.x86_64 0:1.33.1-10.el5_7.3
c-check.x86_64 0:0.9.8-1.s15
classpathx-jaf.x86_64 0:1.0-9jpp.1
curl.x86_64 0:7.15.5-9.el5_7.4
delegation-api-c.x86_64 0:2.1.1-1.s15
dpm-devel.x86_64 0:1.8.2-3sec.s15
editline.x86_64 0:2.9-1.s15
emi-trustmanager-axis.noarch 0:1.0.1-1.s15
emi.amga.amga-cli.x86_64 0:2.1.2-1.s15
emi.saga-adapter.isn-cpp.x86_64 0:1.0.2-1.s15
fontconfig.x86_64 0:2.4.1-7.el5
gfal-py26.x86_64 0:1.11.19-3.s15
glib2-devel.x86_64 0:2.12.3-4.el5_3.1
glite-ce-cream-client-api-c.x86_64 0:1.13.2-3.s15
glite-jobid-api-c.x86_64 0:2.0.3-1.s15
glite-lb-common.x86_64 0:8.0.6-1.s15
glite-lbjp-common-trio.x86_64 0:2.1.2-7.s15
glite-wms-ui-api-python.x86_64 0:3.3.3-3.s15
glite-wms-utils-classad.x86_64 0:3.2.2-2.s15
glite-wms-wmproxy-api-java.noarch 0:3.3.3-3.s15
glite-yaim-core.noarch 0:5.0.2-1.s15
globus-ftp-client.x86_64 0:6.0-2.el5
globus-gass-copy-progs.x86_64 0:5.14-3.el5
globus-gsi-cert-utils.x86_64 0:6.7-2.el5
globus-gsi-proxy-core.x86_64 0:4.7-2.el5
globus-gss-assist.x86_64 0:5.10-1.el5
globus-io.x86_64 0:6.3-6.el5
globus-openssl-module.x86_64 0:1.3-3.el5
globus-rsl.x86_64 0:7.3-1.el5
globus-xio-gsi-driver.x86_64 0:0.6-7.el5
gridftp-ifce.x86_64 0:2.1.1-1.s15
gsoap.x86_64 0:2.7.13-4.el5
is-interface.x86_64 0:1.1.3-1.s15
jakarta-commons-httpclient.x86_64 1:3.0-7jpp.1
java-1.4.2-gcj-compat.x86_64 0:1.4.2.0-40jpp.115
jpackage-utils.noarch 0:1.7.3-1jpp.2.el5
lcg-ManageVOTag.noarch 0:4.0.0-1
lcg-tags.noarch 0:0.4.0-2
lcgdm-devel.x86_64 0:1.8.2-3sec.s15
lfc-devel.x86_64 0:1.8.2-3sec.s15
libXfixes.x86_64 0:4.0.1-2.1
libXinerama.x86_64 0:1.0.1-2.1
libXtst.x86_64 0:1.0.1-3.1
libgcj.x86_64 0:4.1.2-51.el5
libjpeg.x86_64 0:6b-37
libsepol-devel.x86_64 0:1.15.2-3.el5

```

```

PyXML.x86_64 0:0.8.4-4.el5_4
alsa-lib.x86_64 0:1.0.17-1.el
axis.x86_64 0:1.2.1-2jpp.6
bouncycastle.x86_64 0:1.45-6.
cairo.x86_64 0:1.2.4-5.el5
classpathx-mail.x86_64 0:1.1.
dcache-srmclient.noarch 0:1.9
delegation-cli.x86_64 0:2.1.1
dpm-libs.x86_64 0:1.8.2-3sec.
emi-delegation-java.noarch 0:
emi-trustmanager-tomcat.noarc
emi.saga-adapter.context-cpp
emi.saga-adapter.sd-cpp.x86_6
freetype.x86_64 0:2.2.1-28.el
giflib.x86_64 0:4.1.3-7.3.3.e
glibmm24.x86_64 0:2.12.10-1.e
glite-ce-monitor-client-api-c
glite-jobid-api-cpp.x86_64 0:
glite-lbjp-common-gsoap-plugi
glite-service-discovery-api-c
glite-wms-ui-commands.x86_64
glite-wms-utils-exception.x86_
glite-wms-wmproxy-api-python.
globus-callout.x86_64 0:0.7-8
globus-ftp-control.x86_64 0:2
globus-gass-transfer.x86_64 0
globus-gsi-credential.x86_64
globus-gsi-proxy-ssl.x86_64 0
globus-gssapi-error.x86_64 0:
globus-libtool.x86_64 0:1.2-4
globus-proxy-utils.x86_64 0:3
globus-usage.x86_64 0:1.4-2.e
globus-xio-popen-driver.x86_6
gridsite-commands.x86_64 0:1.
gtk2.x86_64 0:2.10.4-21.el5_5
jakarta-commons-cli.x86_64 0:
jakarta-commons-lang.x86_64 0:
java-1.6.0-openjdk.x86_64 1:1
keyutils-libs-devel.x86_64 0:
lcg-info.noarch 0:1.12.2-1.el
lcg-util.x86_64 0:1.11.19-3.s
lcgdm-libs.x86_64 0:1.8.2-3se
lfc-libs.x86_64 0:1.8.2-3sec.
libXft.x86_64 0:2.1.10-1.1
libXrandr.x86_64 0:1.1.1-3.3
libart_lgpl.x86_64 0:2.3.17-4
libicu.x86_64 0:3.6-5.16.1
libpng.x86_64 2:1.2.10-7.1.el
libsigc++20.x86_64 0:2.0.18-1

```

## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
libtool-ltdl.x86_64 0:1.5.22-7.el5_4
log4j.x86_64 0:1.2.13-3jpp.2
nordugrid-arc.x86_64 0:1.1.0-1.el5
nordugrid-arc-java.x86_64 0:1.1.0-1.el5
nordugrid-arc-python.x86_64 0:1.1.0-1.el5
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-SAX.noarch 0:0.14-8
perl-libwww-perl.noarch 0:5.805-1.1.1
python-fpconst.noarch 0:0.7.3-3.el5.1
python26-lfc.x86_64 0:1.8.2-3sec.s15
transfer-cli.x86_64 0:4.0.1-1.s15
uberftp.x86_64 0:2.4-4.el5
unicore-ucc.noarch 0:6.4.1-2
voms-clients.x86_64 0:2.0.0-1.s15
wsdl4j.x86_64 0:1.5.2-4jpp.1
xmlsec1-openssl.x86_64 0:1.2.9-8.1.2
```

```
libxslt.x86_64 0:1.1.17-2.el5
myproxy.x86_64 0:5.5-1.el5
nordugrid-arc-client.x86_64 0
nordugrid-arc-plugins-globus.
openssl-devel.x86_64 0:0.9.8e
perl-Convert-ASN1.noarch 0:0...
perl-IO-Socket-SSL.noarch 0:1...
perl-URI.noarch 0:1.35-3
perl-dpm.x86_64 0:1.8.2-3sec.
pkgconfig.x86_64 1:0.21-2.el5
python-lfc.x86_64 0:1.8.2-3sec.
srm-ifce.x86_64 0:1.1.0-1.s15
transfer-interface.noarch 0:3...
unicore-hila-shell.noarch 0:2...
util-c.x86_64 0:1.3.1-1.s15
voms-devel.x86_64 0:2.0.0-1.s...
xerces-c.x86_64 0:2.7.0-8.el5
zip.x86_64 0:2.31-2.el5
```

Dependency Updated:

```
krb5-libs.i386 0:1.6.1-63.el5_7
```

```
krb5-libs.x86_64 0:1.6.1-63.el5_7
```

Complete!

```
# yum install -y openldap-clients
Loaded plugins: downloadonly, kernel-module, priorities, protect-packages, protectbase, security,
242 packages excluded due to repository priority protections
0 packages excluded due to repository protections
Reading version lock configuration
Setting up Install Process
Resolving Dependencies
--> Running transaction check
--> Package openldap-clients.x86_64 0:2.3.43-12.el5_6.7 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
```

Dependencies Resolved

```
=====
Package                                     Arch
=====
Installing:
openldap-clients                           x86_64
```

Transaction Summary

```
=====
Install      1 Package(s)
Upgrade      0 Package(s)
```

```
Total download size: 223 k
Is this ok [y/N]: y
Downloading Packages:
openldap-clients-2.3.43-12.el5_6.7.x86_64.rpm
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction
  Installing   : openldap-clients
```

```
Installed:
openldap-clients.x86_64 0:2.3.43-12.el5_6.7
```

Complete!

## Service configuration

[site-info.def](#) □ [site-info.def](#) □  
**site-info.def**

Copy the examples and customize them. There just two variables to customize in the site-info.def: VOS and SITE\_NAME. The other variables **MUST** be left unchanged to use IGI Core services.

```
# cp -vr /opt/glite/yaim/examples/siteinfo /root/
`/opt/glite/yaim/examples/siteinfo' -> `/root/siteinfo'
`/opt/glite/yaim/examples/siteinfo/services' -> `/root/siteinfo/services'
`/opt/glite/yaim/examples/siteinfo/services/glite-vobox' -> `/root/siteinfo/services/glite-vobox'
`/opt/glite/yaim/examples/siteinfo/services/glite-wn' -> `/root/siteinfo/services/glite-wn'
`/opt/glite/yaim/examples/siteinfo/services/glite-wn_tar' -> `/root/siteinfo/services/glite-wn_ta
`/opt/glite/yaim/examples/siteinfo/site-info.def' -> `/root/siteinfo/site-info.def'

# cat /root/siteinfo/site-info.def
SITE_NAME=INFN-CNAF
VOS="infnggrid dteam comput-er.it gridit"
#####
#DEFAULT IGI (Italian Grid Infrastructure) CORE SERVICES#
# Please do not change them
#####
# Hostname of the top level BDII
BDII_HOST=egee-bdii.cnaf.infn.it
# Hostname of the PX
PX_HOST=myproxy.cnaf.infn.it
# Hostname of the WMS
WMS_HOST=wms-multi.grid.cnaf.infn.it
# FTS endpoint
FTS_SERVER_URL="https://fts.cr.cnaf.infn.it:8443/path/glite-data-transfer-fts"
```

[vo.d directory](#) □ [vo.d directory](#) □  
**vo.d directory**

Create the vo.d directory and a file for each supported VO like in the following examples.

```
# mkdir -p /root/siteinfo/vo.d

# cat /root/siteinfo/vo.d/comput-er.it
VOMSES="'comput-er.it voms2.cnaf.infn.it 15007 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms2.cnaf.infn.it
VOMS_CA_DN=''/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"

# cat /root/siteinfo/vo.d/dteam
VOMSES="'dteam lcg-voms.cern.ch 15004 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch dteam 24' '
VOMS_CA_DN=''/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=CERN Trus

# cat /root/siteinfo/vo.d/gridit
VOMSES="'gridit voms.cnaf.infn.it 15008 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it gridit'
VOMS_CA_DN=''/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"

# cat /root/siteinfo/vo.d/infnggrid
VOMSES="'infnggrid voms.cnaf.infn.it 15000 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it infngr
VOMS_CA_DN=''/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"
```

Information about others VOs are available at the CENTRAL OPERATIONS PORTAL . In the following image is reported the VO Identity card of the VO infnggrid (look at the red rectangle):



Dashboard | COD Dashboard | VO Information | EGI Broadcast

## operations PORTAL

CENTRAL OPERATIONS  
Master Instance

Search | Register | Manage VO | Browse Resources | User Tools

**Vo definition**

"A VO is a group of researchers with similar interests and requirements, who are sharing resources (e.g. data, software, expertise, CPU, storage space) regardless of geographical location."

[Public XML feed for VO VOID](#)  
[Private XML feed for VO VOID](#)

▶ search by Scope or Discipline | ▶ search by VO name

**Vo name :** infngrid

**1 VOs found:**

+/-	Name	Discipline	Scope	Help
<input checked="" type="checkbox"/>	infngrid	Infrastructure	National - NGI_IT	<a href="#">Help</a>

**General information**

<b>Name :</b> infngrid <b>Scope :</b> National - NGI_IT <b>Status :</b> Production <b>Validation date :</b> 2011-05-30 <b>Discipline :</b> Infrastructure <b>Supported middlewares :</b> gLite <b>Enrollment Url :</b> <a href="https://voms.cnaf.infn.it:8443/voms/infngrid/webui/request/user/create">https://voms.cnaf.infn.it:8443/voms/infngrid/webui/request/user/create</a> <b>Homepage Url :</b> <a href="http://grid.infn.it">http://grid.infn.it</a> <b>Support Procedure Url :</b> <b>GGUS dedicated user support :</b> No <b>GGUS ticket for VOMS setup support :</b> No	<b>Description :</b> This VO exists in order to facilitate middleware installation. Italian ROC Sites MUST join this VO.
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------

**Resources**

<b>Max used physical non-swap i386 memory size (MB) :</b> 0 <b>Max used physical non-swap x86_64 memory size (MB) :</b> 0 <b>Max size of scratch space used by jobs (MB) :</b> 0 <b>Max time of job execution (minutes) :</b> 0 <b>Job wall clock time limit (minutes) :</b> 0	
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

**UI Variables**

**Other requirements :**

```
yaim variables:
VO_INFNGRID_VOMS_SERVERS="vomss://voms.cnaf.infn.it:8443/voms/infngrid"
VO_INFNGRID_VOMSES="infngrid voms.cnaf.infn.it 15000 /C=IT/O=INFN/OU=GRID/OU=VOMS"
```

**Generic contacts**

Full name	DN
Alessandro Paolini	/C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Alessandro.Paolini
Alessandro Cavalli	/C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Alessandro.Cavalli

There are two possibilities:

1. Copy and paste the **yaim variables** directly in the site-info.def.

```
VO_INFNGRID_VOMSES="'infngrid voms.cnaf.infn.it 15000 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it' 
VO_INFNGRID_VOMS_CA_DN="'/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"
```

1. Create /root/siteinfo/vo.d/infngrid files (the name of the file **MUST** be the name of the VO) and rename the variables:

```
# cat /root/siteinfo/vo.d/infngrid
VOMSES="'infngrid voms.cnaf.infn.it 15000 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it' infngrid
VOMS_CA_DN="'/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"
```

### **YAIM check □ YAIM check □**

#### **yaim check**

```
# /opt/glite/yaim/bin/yaim -v -s /root/siteinfo/site-info.def -n UI
INFO: Using site configuration file: /root/siteinfo/site-info.def
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,-.,/
.      I_)_)_) I_)_)_)

current working directory: /root
site-info.def date: Jan 10 16:35 /root/siteinfo/site-info.def
yaim command: -v -s /root/siteinfo/site-info.def -n UI
log file: /opt/glite/yaim/bin/..../log/yaimlog
Tue Jan 10 16:40:19 CET 2012 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-clients 5.0.0-1
glite-yaim-core 5.0.2-1

#####
INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
INFO: Executing function: config_sysconfig_lcg_check
INFO: Executing function: config_globus_clients_check
INFO: Executing function: config_lcgenv_check
INFO: Executing function: config_glite_ui_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_glite_saga_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_add_pool_env_check
INFO: Checking is done.
INFO: All the necessary variables to configure UI are defined in your configuration files.
INFO: Please, bear in mind that YAIM only guarantees the definition of variables
INFO: controlled in the _check functions.
INFO: YAIM terminated successfully.
```

### **YAIM config □ YAIM config □**

## YAIM config

Please use the debug flag ( "-d 6") to configure the services in order to have detailed information. For your convenience yo can save all the configuration information in a log file you can look at any time, separated from the yaimlog defulat one.

```
# /opt/glite/yaim/bin/yaim -c -d 6 -s /root/siteinfo/site-info.def -n UI
DEBUG: Checking siteinfo dir is not world readable
DEBUG: Checking site-info.def is syntactically correct
DEBUG: Sourcing /opt/glite/yaim/bin/../defaults/site-info.pre
DEBUG: Sourcing /opt/glite/yaim/bin/../defaults/glite-ui.pre
INFO: Using site configuration file: /root/siteinfo/site-info.def
DEBUG: Sourcing site-info.def file: /root/siteinfo/site-info.def
DEBUG: Sourcing /opt/glite/yaim/bin/../defaults/site-info.post
DEBUG: Sourcing /opt/glite/yaim/bin/../defaults/glite-ui.post
DEBUG: Sourcing /opt/glite/yaim/bin/../defaults/mapping
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,-.,/
.   I_)_)_) I_)_)_)

current working directory: /root
site-info.def date: Jan 10 16:35 /root/siteinfo/site-info.def
yaim command: -c -d 6 -s /root/siteinfo/site-info.def -n UI
log file: /opt/glite/yaim/bin/../log/yaimlog
Tue Jan 10 16:38:09 CET 2012 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-yaim-clients 5.0.0-1
glite-yaim-core 5.0.2-1

#####
INFO: The default location of the grid-env.(c)sh files will be: /usr/libexec
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
DEBUG: Detect platform: OS flavour detected is: emi
DEBUG: Detected architecture is 64BIT
DEBUG: Detect platform: OS type detected: sl5
DEBUG: Resulted NODE_TYPE_LIST is : UI
DEBUG: Setting environment variable GRID_ENV_LOCATION, to value "/usr/libexec".
DEBUG: Unset environment variable GRID_ENV_LOCATION.
DEBUG: Setting environment variable LCG_LOCATION, to value "/usr".
DEBUG: Unset environment variable LCG_LOCATION.
DEBUG: Setting environment variable GLITE_LOCATION, to value "/usr".
DEBUG: Unset environment variable GLITE_LOCATION.
DEBUG: Setting environment variable GLITE_LOCATION_VAR, to value "/var".
DEBUG: Unset environment variable GLITE_LOCATION_VAR.
DEBUG: Appending value "/bin" to environment variable PATH.
DEBUG: Deleting value "/bin" from environment variable PATH.
DEBUG: Appending value "/opt/glite/share/man" to environment variable MANPATH.
DEBUG: Deleting value "/opt/glite/share/man" from environment variable MANPATH.
DEBUG: Sourcing node definition file: /opt/glite/yaim/bin/../node-info.d/glite-ui
DEBUG: Skipping function: config_ldconf_check because it is not defined
DEBUG: Skipping function: config_sysconfig_edg_check because it is not defined
DEBUG: Skipping function: config_sysconfig_globus_check because it is not defined
INFO: Executing function: config_sysconfig_lcg_check
DEBUG: Skipping function: config_crl_check because it is not defined
INFO: Executing function: config_globus_clients_check
INFO: Executing function: config_lcgenv_check
```

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```
DEBUG: Skipping function: config_fts_client_check because it is not defined
INFO: Executing function: config_glite_ui_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_glite_saga_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_add_pool_env_check
DEBUG: Skipping function: config_ldconf_setenv because it is not defined
INFO: Executing function: config_ldconf
INFO: config_ldconf: function not needed anymore, left empty waiting to be removed
DEBUG: Skipping function: config_sysconfig_edg_setenv because it is not defined
INFO: Executing function: config_sysconfig_edg
DEBUG: Skipping function: config_sysconfig_globus_setenv because it is not defined
INFO: Executing function: config_sysconfig_globus
DEBUG: Skipping function: config_sysconfig_lcg_setenv because it is not defined
INFO: Executing function: config_sysconfig_lcg
DEBUG: Skipping function: config_crl_setenv because it is not defined
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...
/opt/glite/yaim/functions/config_fts_client: line 40: /opt/glite/etc/services.xml: No such file or directory
Enabling periodic fetch-crl: [ OK ]
DEBUG: fetch-crl cron enabled
INFO: Executing function: config_globus_clients_setenv
DEBUG: Setting environment variable GLOBUS_TCP_PORT_RANGE, to value "20000,25000".
DEBUG: Unset environment variable GLOBUS_TCP_PORT_RANGE.
DEBUG: Setting environment variable GT_PROXY_MODE, to value "old".
DEBUG: Unset environment variable GT_PROXY_MODE.
INFO: Executing function: config_globus_clients
INFO: Configure the globus service - not needed in EMI
DEBUG: Skipping function: config_lcgenv_setenv because it is not defined
INFO: Executing function: config_lcgenv
DEBUG: Setting environment variable LCG_GFAL_INFOSYS, to value "eggee-bdii.cnaf.infn.it:2170".
DEBUG: Unset environment variable LCG_GFAL_INFOSYS.
DEBUG: Setting environment variable MYPROXY_SERVER, to value "myproxy.cnaf.infn.it".
DEBUG: Unset environment variable MYPROXY_SERVER.
DEBUG: Appending value "/opt/d-cache/srm/bin:/opt/d-cache/dcap/bin" to environment variable PATH.
DEBUG: Deleting value "/opt/d-cache/srm/bin:/opt/d-cache/dcap/bin" from environment variable PATH.
DEBUG: Appending value "/opt/d-cache/dcap/lib64" to environment variable LD_LIBRARY_PATH.
DEBUG: Deleting value "/opt/d-cache/dcap/lib64" from environment variable LD_LIBRARY_PATH.
DEBUG: Setting environment variable SRM_PATH, to value "/opt/d-cache/srm".
DEBUG: Unset environment variable SRM_PATH.
DEBUG: Skipping function: config_fts_client_setenv because it is not defined
INFO: Executing function: config_fts_client
INFO: Executing function: config_glite_ui_setenv
DEBUG: Setting environment variable GLITE_SD_PLUGIN, to value "file,bdii".
DEBUG: Unset environment variable GLITE_SD_PLUGIN.
DEBUG: Setting environment variable GLITE_SD_SERVICES_XML, to value "/opt/glite/etc/services.xml".
DEBUG: Unset environment variable GLITE_SD_SERVICES_XML.
DEBUG: Setting environment variable X509_USER_PROXY, to value "/tmp/x509up_u$(id -u)".
DEBUG: Appending value "/opt/lcg/bin" to environment variable PATH.
DEBUG: Deleting value "/opt/lcg/bin" from environment variable PATH.
INFO: Executing function: config_glite_ui
DEBUG: Find out if Service Discovery should be enabled or not
DEBUG: Skipping function: config_vomses_setenv because it is not defined
INFO: Executing function: config_vomses
INFO: Executing function: config_glite_saga_setenv
INFO: SAGA configuration is not required
INFO: Executing function: config_glite_saga
INFO: SAGA configuration is not required
INFO: Executing function: config_vomsdir_setenv
DEBUG: This function currently doesn't set any environment variables.
INFO: Executing function: config_vomsdir
DEBUG: .lsc file configuration for VO infngrid...
DEBUG: Create the /etc/grid-security/vomsdir/infngrid directory
DEBUG: Create the /etc/grid-security/vomsdir/infngrid/voms.cnaf.infn.it.lsc
DEBUG: Copying /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it in /etc/grid-security/vomsdir/
DEBUG: Create the /etc/grid-security/vomsdir/infngrid/voms-01.pd.infn.it.lsc
DEBUG: Copying /C=IT/O=INFN/OU=Host/L=Padova/CN=voms-01.pd.infn.it in /etc/grid-security/vomsdir/
```

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```
DEBUG: Copying the voms.cnaf.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/voms
DEBUG: Copying the voms-01.pd.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/voms
DEBUG: .lsc file configuration for VO dteam...
DEBUG: Create the /etc/grid-security/vomsdir/dteam directory
DEBUG: Create the /etc/grid-security/vomsdir/dteam/lcg-voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch in /etc/grid-security/vomsdir/dteam
DEBUG: Create the /etc/grid-security/vomsdir/dteam/voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=voms.cern.ch in /etc/grid-security/vomsdir/dteam
DEBUG: Create the /etc/grid-security/vomsdir/dteam/voms.hellasgrid.gr.lsc
DEBUG: Copying /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms.hellasgrid.gr in /etc/grid-security/vomsdir/dteam
DEBUG: Create the /etc/grid-security/vomsdir/dteam/voms2.hellasgrid.gr.lsc
DEBUG: Copying /C=GR/O=HellasGrid/OU=hellasgrid.gr/CN=voms2.hellasgrid.gr in /etc/grid-security/vomsdir/dteam
DEBUG: Copying the lcg-voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority
DEBUG: Copying the voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority
DEBUG: Copying the voms.hellasgrid.gr CA DN /C=GR/O=HellasGrid/OU=Certification Authorities/CERN
DEBUG: Copying the voms2.hellasgrid.gr CA DN /C=GR/O=HellasGrid/OU=Certification Authorities/CERN
DEBUG: .lsc file configuration for VO ops...
DEBUG: Create the /etc/grid-security/vomsdir/ops directory
DEBUG: Create the /etc/grid-security/vomsdir/ops/lcg-voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch in /etc/grid-security/vomsdir/ops
DEBUG: Create the /etc/grid-security/vomsdir/ops/voms.cern.ch.lsc
DEBUG: Copying /DC=ch/DC=cern/OU=computers/CN=voms.cern.ch in /etc/grid-security/vomsdir/ops/voms
DEBUG: Copying the lcg-voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority
DEBUG: Copying the voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Authority
DEBUG: .lsc file configuration for VO comput-er.it...
DEBUG: Create the /etc/grid-security/vomsdir/comput-er.it directory
DEBUG: Create the /etc/grid-security/vomsdir/comput-er.it/voms2.cnaf.infn.it.lsc
DEBUG: Copying /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms2.cnaf.infn.it in /etc/grid-security/vomsdir/comput-er.it
DEBUG: Create the /etc/grid-security/vomsdir/comput-er.it/voms-02.pd.infn.it.lsc
DEBUG: Copying /C=IT/O=INFN/OU=Host/L=Padova/CN=voms-02.pd.infn.it in /etc/grid-security/vomsdir/comput-er.it
DEBUG: Copying the voms2.cnaf.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/vomsdir/comput-er.it
DEBUG: Copying the voms-02.pd.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/vomsdir/comput-er.it
DEBUG: .lsc file configuration for VO gridit...
DEBUG: Create the /etc/grid-security/vomsdir/gridit directory
DEBUG: Create the /etc/grid-security/vomsdir/gridit/voms.cnaf.infn.it.lsc
DEBUG: Copying /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it in /etc/grid-security/vomsdir/gridit
DEBUG: Create the /etc/grid-security/vomsdir/gridit/voms-01.pd.infn.it.lsc
DEBUG: Copying /C=IT/O=INFN/OU=Host/L=Padova/CN=voms-01.pd.infn.it in /etc/grid-security/vomsdir/gridit
DEBUG: Copying the voms.cnaf.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/vomsdir/gridit
DEBUG: Copying the voms-01.pd.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/vomsdir/gridit
INFO: Executing function: config_add_pool_env_setenv
DEBUG: Currently this function doesn't set any environment variables.
INFO: Executing function: config_add_pool_env
DEBUG: Creating links for the grid enviroment in /etc/profile.d/
INFO: Configuration Complete.
INFO: YAIM terminated succesfully. [ OK ]
```

## Service checks

To check the functionalities of the UI we can use some commands. The **GLITE 3.2 USER GUIDE** is available here .

### Creation and setup of an user account □ Creation and setup of an user account □ Creation and setup of an user account

```
# adduser veronesi
# passwd veronesi
Changing password for user veronesi.
New UNIX password:
Retype new UNIX password:
passwd: all authentication tokens updated successfully.
```

Please have a look at Cap. 4 "GRID SECURITY AND GETTING STARTED" of the guide. At the end of the configuration, you should have the following situation:

```
$ ll .globus/
total 16
-rw-r--r-- 1 veronesi veronesi 1798 Jan 11 08:49 usercert.pem
-r----- 1 veronesi veronesi 1918 Jan 11 08:49 userkey.pem
```

## Create, check and destroy your first proxy □ Create, check and destroy your first proxy □ Create, check and destroy your first proxy

```
voms-proxy-init --voms infngrid
Enter GRID pass phrase:
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi
Creating temporary proxy ..... Done
Contacting voms.cnaf.infn.it:15000 [/C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it] "infngrid"
Creating proxy ..... Done
Your proxy is valid until Wed Jan 11 20:54:21 2012

$ voms-proxy-info --all
subject      : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi/CN=proxy
issuer       : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi
identity     : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi
type         : proxy
strength     : 1024 bits
path         : /tmp/x509up_u500
timeleft     : 11:59:28
==== VO infngrid extension information ====
VO          : infngrid
subject     : /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi
issuer      : /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.it
attribute   : /infngrid/Role=NULL/Capability=NULL
timeleft    : 11:59:28
uri         : voms.cnaf.infn.it:15000

$ voms-proxy-destroy
```

## Using myproxy server □ Using myproxy server □ Using myproxy server

```
$ myproxy-init -v -k test_veronesi
MyProxy v5.5 5 Sep 2011 PAM SASL KRB5 LDAP VOMS OCSP
Socket bound to port 20000.
Attempting to connect to 131.154.101.27:7512
Successfully connected to myproxy.cnaf.infn.it:7512

User Cert File: /home/veronesi/.globus/usercert.pem
User Key File: /home/veronesi/.globus/userkey.pem

Trusted CA Cert Dir: /etc/grid-security/certificates

Output File: /tmp/myproxy-proxy.500.20869
Your identity: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi
Enter GRID pass phrase for this identity:
Creating proxy .....++++
.....+++
Done
Proxy Verify OK
Your proxy is valid until: Wed Jan 18 09:01:03 2012
using trusted certificates directory /etc/grid-security/certificates
server name: /C=IT/O=INFN/OU=Host/L=CNAF/CN=myproxy.cnaf.infn.it
checking that server name is acceptable...
server name matches "myproxy@myproxy.cnaf.infn.it"
authenticated server name is acceptable
Enter MyProxy pass phrase:
Verifying - Enter MyProxy pass phrase:
A proxy valid for 168 hours (7.0 days) for user veronesi now exists on myproxy.cnaf.infn.it.
```

```
$ myproxy-info -v -k test_veronesi
MyProxy v5.5 5 Sep 2011 PAM SASL KRB5 LDAP VOMS OCSP
Socket bound to port 20000.
Attempting to connect to 131.154.101.27:7512
Successfully connected to myproxy.cnaf.infn.it:7512
using trusted certificates directory /etc/grid-security/certificates
server name: /C=IT/O=INFN/OU=Host/L=CNAF/CN=myproxy.cnaf.infn.it
checking that server name is acceptable...
server name matches "myproxy@myproxy.cnaf.infn.it"
authenticated server name is acceptable
username: veronesi
owner: /C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Paolo Veronesi
name: test_veronesi
timeleft: 167:59:13 (7.0 days)
```

## Job submission □ Job submission □

### Job submission

```
$ cat hello.jdl
Executable      = "/bin/env";
StdOutput      = "test.out";
StdError       = "test.err";
RetryCount     = 0;
ShallowRetryCount = 0;
OutputSandbox  = {"test.out", "test.err"};

$ glite-wms-job-list-match -a hello.jdl

Connecting to the service https://egee-rb-09.cnaf.infn.it:7443/glite_wms_wmproxy_server
=====
```

#### COMPUTING ELEMENT IDs LIST

The following CE(s) matching your job requirements have been found:

```
*CEId*
- argoce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- atlasce-cream.na.infn.it:8443/cream-pbs-cert
- atlasce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- atlasce1.lnf.infn.it:2119/jobmanager-lcgpbs-cert
- boalice3.bo.infn.it:2119/jobmanager-lcgpbs-cert
- bocecream.bo.infn.it:8443/cream-pbs-cert
- ce-02.roma3.infn.it:8443/cream-pbs-cert
- ce-cr-02.ts.infn.it:8443/cream-lsf-cert
- ce-cream.mi.infn.it:8443/cream-pbs-cert
- ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-cert
- ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-long
- ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-medium
- ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-short
- ce-enmr.chemie.uni-frankfurt.de:2119/jobmanager-lcgpbs-verylong
- ce.cyb-pcr.it:2119/jobmanager-lcgsge-poncert
- ce.scope.unina.it:8443/cream-pbs-egeeecdert
- ce01-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu
- ce01-lcg.cr.cnaf.infn.it:8443/cream-lsf-infngrid
- cel-enmr.science.uu.nl:8443/cream-pbs-cert
- cel-enmr.science.uu.nl:8443/cream-pbs-long
- cel-enmr.science.uu.nl:8443/cream-pbs-medium
- cel-enmr.science.uu.nl:8443/cream-pbs-short
- cel-enmr.science.uu.nl:8443/cream-pbs-verylong
- cebo-t3-01.cr.cnaf.infn.it:8443/cream-lsf-T3_BO
- cecream.ca.infn.it:8443/cream-lsf-cert
- cert-15.pd.infn.it:8443/cream-lsf-cert
- cert-37.pd.infn.it:8443/cream-lsf-cert
- cex.grid.unipg.it:2119/jobmanager-lcgpbs-cert
- cmsce01.na.infn.it:2119/jobmanager-lcgpbs-cert
- cmsrm-ce01.romal.infn.it:2119/jobmanager-lcglsf-cmsgcert
```

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- cmsrm-ce02.roma1.infn.it:2119/jobmanager-lcglsf-cmsgcert  
- cmsrm-cream01.roma1.infn.it:8443/cream-lsf-cmsgcert  
- cream-ce-2.ba.infn.it:8443/cream-pbs-cert  
- cream-ce.ct.infn.it:8443/cream-lsf-cert  
- cream-ce.research-infrastructures.eu:8443/cream-pbs-cert  
- cream.sns.it:8443/cream-pbs-cert  
- creamce01.ge.infn.it:8443/cream-lsf-cert  
- devce.cnaf.infn.it:8443/cream-pbs-cert  
- egice.polito.it:8443/cream-pbs-cert  
- grid-ce.lns.infn.it:2119/jobmanager-lcgpbs-cert  
- grid-ce.pv.infn.it:8443/cream-pbs-cert  
- grid0.fe.infn.it:8443/cream-pbs-cert  
- grid001.ts.infn.it:2119/jobmanager-lcglsf-cert  
- grid010.ct.infn.it:2119/jobmanager-lcgpbs-cert  
- gridce.sns.it:2119/jobmanager-lcgpbs-cert  
- gridce0.pi.infn.it:8443/cream-lsf-cert  
- gridce1.pi.infn.it:2119/jobmanager-lcglsf-cert  
- gridce2.pi.infn.it:2119/jobmanager-lcglsf-cert  
- gridce3.pi.infn.it:8443/cream-lsf-certmp  
- gridsrv2-4.dir.garr.it:8443/cream-pbs-grid  
- gridvmm03.roma2.infn.it:8443/cream-pbs-cert  
- grisuce.scope.unina.it:8443/cream-pbs-egeeecert  
- iceage-ce-01.ct.infn.it:8443/cream-pbs-cert  
- inaf-ce-01.ct.pi2s2.it:8443/cream-lsf-cert  
- linuucs-ce-01.cs.infn.it:8443/cream-pbs-atlasgcert  
- ng-ce.grid.unipg.it:2119/jobmanager-lcgpbs-cert  
- pbs-enmr.cerm.unifi.it:8443/cream-pbs-cert  
- prod-ce-01.pd.infn.it:8443/cream-lsf-cert  
- prod-ce-02.pd.infn.it:2119/jobmanager-lcglsf-cert  
- se.cyb-pcr.it:8443/cream-sge-poncert  
- sirius-ce.ct.infn.it:8443/cream-pbs-cert  
- spacina-ce.scope.unina.it:2119/jobmanager-lcgpbs-cert  
- t2-ce-01.lnl.infn.it:8443/cream-lsf-cert1  
- t2-ce-01.mi.infn.it:2119/jobmanager-lcgpbs-cert  
- t2-ce-01.to.infn.it:8443/cream-pbs-cert  
- t2-ce-01.to.infn.it:8443/cream-pbs-short  
- t2-ce-02.lnl.infn.it:8443/cream-lsf-cert1  
- t2-ce-03.lnl.infn.it:2119/jobmanager-lcglsf-cert1  
- t2-ce-04.lnl.infn.it:8443/cream-lsf-cert1  
- t2-ce-05.lnl.infn.it:8443/cream-lsf-cert1  
- t2-ce-06.lnl.infn.it:8443/cream-lsf-cert1  
- unict-dmi-ce-01.ct.pi2s2.it:2119/jobmanager-lcglsf-cert  
- unipa-ce-01.pa.pi2s2.it:2119/jobmanager-lcglsf-cert  
- virgo-ce.roma1.infn.it:2119/jobmanager-lcgpbs-cert  
- t2-ce-02.mi.infn.it:2119/jobmanager-lcgcondor-cert  
- ce-01.grid.sissa.it:8443/cream-pbs-blade  
- ce07-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu  
- ce07-lcg.cr.cnaf.infn.it:8443/cream-lsf-infngrid  
- ce05-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu  
- ce05-lcg.cr.cnaf.infn.it:8443/cream-lsf-infngrid  
- ce06-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu  
- ce06-lcg.cr.cnaf.infn.it:8443/cream-lsf-infngrid  
- ce04-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu  
- ce04-lcg.cr.cnaf.infn.it:8443/cream-lsf-infngrid  
- grid-ce-01.ba.infn.it:2119/jobmanager-lcgpbs-cert  
- cremino.cnaf.infn.it:8443/cream-pbs-cert  
- atlas-ce-01.roma1.infn.it:2119/jobmanager-lcglsf-atlasgcert  
- atlas-ce-02.roma1.infn.it:2119/jobmanager-lcglsf-atlasgcert  
- atlas-creamce-01.roma1.infn.it:8443/cream-lsf-atlasgcert  
- ce-1.le.infn.it:8443/cream-lsf-cert  
- cream-ce-01.ct.trigrid.it:8443/cream-lsf-cert  
- grid012.ct.infn.it:8443/cream-lsf-cert  
- infn-ce-01.ct.pi2s2.it:8443/cream-lsf-cert  
- infn-ce-01.ct.trigrid.it:2119/jobmanager-lcglsf-cert  
- infnlns-ce-01.ct.pi2s2.it:8443/cream-lsf-cert  
- unict-diit-ce-01.ct.pi2s2.it:2119/jobmanager-lcglsf-cert  
- atlasce02.scope.unina.it:8443/cream-pbs-egeeecert

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```
- atlasce2.lnf.infn.it:8443/cream-pbs-cert
- cream-ce.pg.infn.it:8443/cream-pbs-cert
- cream-ce.pr.infn.it:8443/cream-pbs-cert
- cream-ce.pr.infn.it:8443/cream-pbs-parallel
- gridce.ilc.cnr.it:8443/cream-pbs-cert
- pamelace01.na.infn.it:8443/cream-pbs-cert
- unime-ce-01.me.pi2s2.it:2119/jobmanager-lcglsf-cert
```

---

```
$ glite-wms-job-submit -a hello.jdl
```

```
Connecting to the service https://egee-rb-09.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

```
===== glite-wms-job-submit Success =====
```

```
The job has been successfully submitted to the WMProxy
Your job identifier is:
```

```
https://lb004.cnaf.infn.it:9000/ac8cwtv9oLfC5fW4nulrLg
```

---

```
$ glite-wms-job-status https://lb004.cnaf.infn.it:9000/ac8cwtv9oLfC5fW4nulrLg
```

```
===== glite-wms-job-status Success =====
BOOKKEEPING INFORMATION:
```

```
Status info for the Job : https://lb004.cnaf.infn.it:9000/ac8cwtv9oLfC5fW4nulrLg
Current Status:      Done (Success)
Logged Reason(s):
    - job completed
    - Job Terminated Successfully
Exit code:           0
Status Reason:       Job Terminated Successfully
Destination:        cream-ce-2.ba.infn.it:8443/cream-pbs-cert
Submitted:          Wed Jan 11 09:04:26 2012 CET
```

---

```
$ glite-wms-job-output https://lb004.cnaf.infn.it:9000/ac8cwtv9oLfC5fW4nulrLg
```

```
Connecting to the service https://egee-rb-09.cnaf.infn.it:7443/glite_wms_wmproxy_server
```

---

```
JOB GET OUTPUT OUTCOME
```

```
Output sandbox files for the job:
https://lb004.cnaf.infn.it:9000/ac8cwtv9oLfC5fW4nulrLg
have been successfully retrieved and stored in the directory:
/tmp/jobOutput/veronesi_ac8cwtv9oLfC5fW4nulrLg
```

---

```
$ ll /tmp/jobOutput/veronesi_ac8cwtv9oLfC5fW4nulrLg/*
-rw-rw-r-- 1 veronesi veronesi 0 Jan 11 09:05 /tmp/jobOutput/veronesi_ac8cwtv9oLfC5fW4nulrLg/t
```

```
-rw-rw-r-- 1 veronesi veronesi 6591 Jan 11 09:05 /tmp/jobOutput/veronesi_ac8cwtv9oLfC5fW4nulrLg/t
```

**Data management □ Data management ▽****Data management**

```
$ lcg-infosites --vo infngrid seltail -1
 9268099100      1280456314  SRM    virgo-se01.roma1.infn.it

$ lcg-cr -v -d virgo-se01.roma1.infn.it file:/home/veronesi/hello.jdl
Using grid catalog type: lfc
Using grid catalog : lfcserver.cnaf.infn.it
Checksum type: None
SE type: SRMv2
Destination SURL : srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-
Source SRM Request Token: 0f98605f-48d3-44ba-9fde-2353319d1659
Source URL: file:/home/veronesi/hello.jdl
File size: 282
VO name: infngrid
Destination specified: virgo-se01.roma1.infn.it
Destination URL for copy: gsiftp://virgo-se01.roma1.infn.it/virgo-se01.roma1.infn.it:/data3/infn-
# streams: 1
GSIFTP: default set up URL mode
GSIFTP: dest: set up FTP mode. DCAU disabled. Streams = 1, Tcp BS = 0
      0 bytes      0.00 KB/sec avg      0.00 KB/sec inst
      282 bytes     0.34 KB/sec avg     0.34 KB/sec inst

Transfer took 1020 ms
Using grid catalog type: lfc
Using grid catalog : lfcserver.cnaf.infn.it
Site URL to be registered: srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generat-
File size: 282
Using LFN: lfn:/grid/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b
Using GUID: guid:cbeb1790-c829-4423-baef-9e0320409068
Registering LFN: /grid/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b (c
Registering SURL: srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-0
guid:cbeb1790-c829-4423-baef-9e0320409068

$ lcg-lr -v lfn:/grid/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b
Using grid catalog type: lfc
Using grid catalog : lfcserver.cnaf.infn.it
srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-01-11/file8daf2f20-0

$ lcg-del -a -v lfn:/grid/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b
VO name: infngrid
SE type: SRMv2
[lfn:/grid/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b] srm://virgo-s
[guid:cbeb1790-c829-4423-baef-9e0320409068] srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/
[guid:cbeb1790-c829-4423-baef-9e0320409068] lfn:/grid/infngrid/generated/2012-01-11/file-b8a3d3f7-
```

## Revisions

Date	Comment
2012-01-11	installation notes completed - EMI-UI v.1.0.0
2012-01-05	First draft

-- PaoloVeronesi - 2012-01-11

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This topic: SiteAdminCorner > NotesAboutInstallationAndConfigurationOfUI

Topic revision: r4 - 2012-01-11 - PaoloVeronesi



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