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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-curl 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-ManagementVOTag for package: emi-ui
--> Processing Dependency: glite-ce-cream-client-api-c for package: emi-ui
--> Processing Dependency: glite-lbjs-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-lbjs-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-lbjs-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-curl.noarch 0:2.8.4-2.el5 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
--> Processing Dependency: libgfal_srm_ifce.so.1()(64bit) 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.el5 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.sl5 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.sl5 set to be updated
---> Package lcgdm-devel.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package lcgdm-libs.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package lfc.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package lfc-devel.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package lfc-libs.x86_64 0:1.8.2-3sec.sl5 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-compatible.x86_64 0:1.0.0-1.el5 set to be updated
--> Processing Dependency: libglobus_ribs_client.so.5()(64bit) for package: nordugrid-arc-compatible
--> Processing Dependency: libglobus_rsl.so.2()(64bit) for package: nordugrid-arc-compatible
---> 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.sl5 set to be updated
---> Package perl-lfc.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package python-dpm.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package python-lfc.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package python26-dpm.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package python26-lfc.x86_64 0:1.8.2-3sec.sl5 set to be updated
---> Package transfer-cli.x86_64 0:4.0.1-1.sl5 set to be updated
---> Package transfer-interface.noarch 0:3.7.1-1.sl5 set to be updated
---> Package unicore-hila-shell.noarch 0:2.2-2.sl5 set to be updated
---> Package unicore-hila-unicore6.noarch 0:2.2-2.sl5 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.sl5 set to be updated
--> Processing Dependency: glib2-devel for package: util-c
---> Package voms.x86_64 0:2.0.2-1.sl5 set to be updated
---> Package voms-clients.x86_64 0:2.0.0-1.sl5 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.sl5 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: libicui18n.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.sl5 set to be updated
---> Package emi-trustmanager-axis.noarch 0:1.0.1-1.sl5 set to be updated
--> Processing Dependency: axis for package: emi-trustmanager-axis
---> Package emi.saga-adapter.isn-common.noarch 0:1.0.1-2.sl5 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.sl5 set to be updated
---> Package glite-wms-utils-exception.x86_64 0:3.2.2-2.sl5 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.sl5 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.sl5 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 0:1.1.0-9.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 0:2011l-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 fontcolor-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	Version
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.

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.
gjdcc	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.

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-compatible	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-Parser	x86_64	3.
perl-HTML-Tagset	noarch	3.
perl-IO-Socket-SSL	noarch	1.
perl-LDAP	noarch	1:
perl-Net-SSLeay	x86_64	1.

## 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.el5.1.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.s15.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.s15.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.s15.x86\_64.rpm  
(29/206): glite-yaim-clients-5.0.0-1.s15.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.s15.noarch.rpm  
(39/206): gridsite-commands-1.7.15-2.s15.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.s15.noarch.rpm  
(43/206): glite-wms-utils-classad-3.2.2-2.s15.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.s15.x86\_64.rpm  
(50/206): globus-gsi-proxy-core-4.7-2.el5.x86\_64.rpm  
(51/206): gridftp-ifce-2.1.1-1.s15.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.s15.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.s15.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.s15.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.s15.x86\_64.rpm  
(71/206): glite-wms-wmproxy-api-python-3.3.3-3.s15.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.s15.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.s15.x86\_64.rpm  
(78/206): glite-lbjp-common-trio-2.1.2-7.s15.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.s15.x86\_64.rpm  
(87/206): globus-ftp-client-6.0-2.el5.x86\_64.rpm  
(88/206): emi-delegation-java-2.1.1-1.s15.noarch.rpm

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(89/206): lfc-libs-1.8.2-3sec.s15.x86\_64.rpm  
(90/206): zlib-devel-1.2.3-4.el5.x86\_64.rpm  
(91/206): delegation-api-c-2.1.1-1.s15.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.s15.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.s15.x86\_64.rpm  
(101/206): vomsjapi-2.0.6-1.s15.noarch.rpm  
(102/206): zip-2.31-2.el5.x86\_64.rpm  
(103/206): transfer-interface-3.7.1-1.s15.noarch.rpm  
(104/206): libjpeg-6b-37.x86\_64.rpm  
(105/206): c-check-0.9.8-1.s15.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.s15.x86\_64.rpm  
(110/206): voms-2.0.2-1.s15.x86\_64.rpm  
(111/206): fontconfig-2.4.1-7.el5.x86\_64.rpm  
(112/206): voms-clients-2.0.0-1.s15.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.s15.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.s15.noarch.rpm  
(125/206): editline-2.9-1.s15.x86\_64.rpm  
(126/206): emi-trustmanager-3.0.5-1.s15.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.s15.x86\_64.rpm  
(132/206): dpm-libs-1.8.2-3sec.s15.x86\_64.rpm  
(133/206): emi.saga-adapter.context-cpp-1.0.2-2.s15.x86\_64.rpm  
(134/206): perl-lfc-1.8.2-3sec.s15.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.s15.x86\_64.rpm  
(142/206): emi.amga.amga-cli-2.1.2-1.s15.x86\_64.rpm  
(143/206): alsa-lib-1.0.17-1.el5.x86\_64.rpm  
(144/206): lcg-util-py26-1.11.19-3.s15.x86\_64.rpm  
(145/206): lcg-util-1.11.19-3.s15.x86\_64.rpm  
(146/206): wsdl4j-1.5.2-4jpp.1.x86\_64.rpm  
(147/206): perl-dpm-1.8.2-3sec.s15.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.s15.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.s15.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.el5.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-5.0.8-1.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-compatible-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



```

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-lbjs-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

```

```

Installing      : jpackage-utils
Installing      : glite-jobid-api-cpp
Installing      : glite-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-lbjs-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-lbjs-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

```

```

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

```

## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
Installing      : wsd14j
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
SOAPPpy.noarch 0:0.11.6-12.e15
atk.x86_64 0:1.12.2-1.fc6
boost.x86_64 0:1.33.1-10.e15_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.e15_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.e15
gfal-py26.x86_64 0:1.11.19-3.s15
glib2-devel.x86_64 0:2.12.3-4.e15_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.e15
globus-gass-copy-progs.x86_64 0:5.14-3.e15
globus-gsi-cert-utils.x86_64 0:6.7-2.e15
globus-gsi-proxy-core.x86_64 0:4.7-2.e15
globus-gss-assist.x86_64 0:5.10-1.e15
globus-io.x86_64 0:6.3-6.e15
globus-openssl-module.x86_64 0:1.3-3.e15
globus-rsl.x86_64 0:7.3-1.e15
globus-xio-gsi-driver.x86_64 0:0.6-7.e15
gridftp-ifce.x86_64 0:2.1.1-1.s15
gsoap.x86_64 0:2.7.13-4.e15
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.e15
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.e15
libjpeg.x86_64 0:6b-37
libsepol-devel.x86_64 0:1.15.2-3.e15
```

```
PyXML.x86_64 0:0.8.4-4.e15_4.
alsa-lib.x86_64 0:1.0.17-1.e15
axis.x86_64 0:1.2.1-2jpp.6
bouncycastle.x86_64 0:1.45-6.
cairo.x86_64 0:1.2.4-5.e15
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.e1
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.e15_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.e1
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
libcxx.x86_64 0:3.6-5.16.1
libpng.x86_64 2:1.2.10-7.1.e1
libsigc++20.x86_64 0:2.0.18-1
```

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```
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 0:1.8.2-3se
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="infngrid 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/infngrid
VOMSES="'infngrid 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 infngrid (look at the red rectangle):

Dashboard | COD Dashboard | **VO Information** | EGI Broad

**operations PORTAL** CENTRAL OPERATI  
Master Insta

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

---

**Vo definition**

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

Public XML feed for VOID  
Private XML feed for VOI

---

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

Vo name :

---

1 VOs found:

+/-	Name	Discipline	Scope	H
⊖	infngrid	Infrastructure	National - NGI_IT	ht

---

**General information**

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

---

**Resources**

**Max used physical non-swap i386 memory size (MB) :** 0  
**Max used physical non-swap x86\_64 memory size (MB) :** 0  
**Max size of scratch space used by jobs (MB) :** 0  
**Max time of job execution (minutes) :** 0  
**Job wall clock time limit (minutes) :** 0

**UI Variables**

**Other requirements :**

yaim variables:  
 VO\_INFNGRID\_VOMS\_SERVERS="voms://voms.cnaf.infn.it:8443/voms/infn  
 VO\_INFNGRID\_VOMSES="infgrid voms.cnaf.infn.it 15000 /C=IT/O=INFN/OU

---

**Generic contacts**

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

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,-.,/    o8o  o8o   o88o  o8o  o8o   o8o
.   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 succesfully.
```

#### 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 you can save all the configuration information in a log file you can look at any time, separated from the yaimlog default 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,-.,/          o8o  o8o   o88o  o8o  o8o   o8o
.   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
```

## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
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_vommdir_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 "egee-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_vommdir_setenv
DEBUG: This function currently doesn't set any environment variables.
INFO: Executing function: config_vommdir
DEBUG: .lsc file configuration for VO infngrid...
DEBUG: Create the /etc/grid-security/vommdir/infngrid directory
DEBUG: Create the /etc/grid-security/vommdir/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/vommdir/
DEBUG: Create the /etc/grid-security/vommdir/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/vommdir/
```

## NotesAboutInstallationAndConfigurationOfUI < SiteAdminCorner < TWiki

```
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/vom
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/d
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
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-securit
DEBUG: Copying the lcg-voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Author
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/C
DEBUG: Copying the voms2.hellasgrid.gr CA DN /C=GR/O=HellasGrid/OU=Certification Authorities/
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/o
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/v
DEBUG: Copying the lcg-voms.cern.ch CA DN /DC=ch/DC=cern/CN=CERN Trusted Certification Author
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
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/vomsd
DEBUG: Copying the voms2.cnaf.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/vom
DEBUG: Copying the voms-02.pd.infn.it CA DN /C=IT/O=INFN/CN=INFN CA in /etc/grid-security/vom
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/
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/vomsd
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/vom
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. [ OK ]
INFO: YAIM terminated succesfully.
```

## 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 ▾

```
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 ▾

```
$ 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
- boccream.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-egeecert
- ce01-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu
- ce01-lcg.cr.cnaf.infn.it:8443/cream-lsf-infngid
- 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.roma1.infn.it:2119/jobmanager-lcglslf-cmsgcert
```

- 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-certmpi
- gridsrv2-4.dir.garr.it:8443/cream-pbs-grid
- gridvm03.roma2.infn.it:8443/cream-pbs-cert
- grisuce.scope.unina.it:8443/cream-pbs-egecert
- iceage-ce-01.ct.infn.it:8443/cream-pbs-cert
- inaf-ce-01.ct.pi2s2.it:8443/cream-lsf-cert
- linucs-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-infnggrid
- ce05-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu
- ce05-lcg.cr.cnaf.infn.it:8443/cream-lsf-infnggrid
- ce06-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu
- ce06-lcg.cr.cnaf.infn.it:8443/cream-lsf-infnggrid
- ce04-lcg.cr.cnaf.infn.it:8443/cream-lsf-gpu
- ce04-lcg.cr.cnaf.infn.it:8443/cream-lsf-infnggrid
- 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.trigrd.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.trigrd.it:2119/jobmanager-lcglsf-cert
- infnlnc-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-egecert

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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-lcglstf-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 WMPProxy
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 se|tail -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/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b
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/infngrid/
# 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/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b
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 (cbeb1790-c829-4423-baef-9e0320409068)
Registering SURL: srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b (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/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b

$ 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-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b (cbeb1790-c829-4423-baef-9e0320409068)
[guid:cbeb1790-c829-4423-baef-9e0320409068] srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b (cbeb1790-c829-4423-baef-9e0320409068)
[lfn:/grid/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b] srm://virgo-se01.roma1.infn.it/dpm/roma1.infn.it/home/infngrid/generated/2012-01-11/file-b8a3d3f7-828c-4877-b9ee-1dd0020ca11b (cbeb1790-c829-4423-baef-9e0320409068)

```

## Revisions

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

-- PaoloVeronesi - 2012-01-11

This topic: SiteAdminCorner > NotesAboutInstallationAndConfigurationOfUI

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



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