

Introduction

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

Repository settings for x86_64

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

Update host and perform the installation of package(s)

```
$ yum clean all
```

```
$ yum install ig_CREAM_torque
```

```
Loaded plugins: kernel-module
```

```
Setting up Install Process
```

```
Resolving Dependencies
```

```
There are unfinished transactions remaining. You might consider running yum-complete-transaction
```

```
The program yum-complete-transaction is found in the yum-utils package.
```

```
--> Running transaction check
```

```
----> Package ig_CREAM_torque.x86_64 0:3.2.8-2_ig20_sl5 set to be updated
```

```
--> Processing Dependency: lcg-pbs-utils >= 1.0.0-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-yaim-torque-utils >= 4.0.4-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-info-generic >= 2.0.2-5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-yaim-cream-ce >= 4.1.1-3 for package: ig_CREAM_torque
```

```
--> Processing Dependency: lcg-info-dynamic-pbs >= 1.0.13-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-version >= 3.2.2-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-security-lcas-plugins-voms >= 1.3.5-2.1.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-ce-job-plugin >= 1.12.2-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: gridsite-shared >= 1.5.10.5-3.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: lcg-expiregridmapdir >= 2.1.0-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: bouncycastle-glite >= 1.42-3.jdk5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glue-schema >= 2.0.3-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: lcg-info-dynamic-software >= 1.0.5-0 for package: ig_CREAM_torque
```

```
--> Processing Dependency: lcg-info-dynamic-scheduler-generic >= 2.3.4-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-yaim-core >= 4.0.12-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-ce-ce-plugin >= 1.12.2-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-dgas-hlr-clients >= 3.4.0-12.centos5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-apel-core >= 2.0.9-12 for package: ig_CREAM_torque
```

```
--> Processing Dependency: cleanup-grid-accounts >= 1.0.2-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-yaim-torque-server >= 4.0.4-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-security-lcas-lcmaps-gt4-interface >= 0.0.14-3.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: classads >= 1.0-2.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-info-templates >= 1.0.0-11 for package: ig_CREAM_torque
```

```
--> Processing Dependency: maui-client >= 3.2.6p21-snap.1234905291.5.el5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-lbjp-common-trio >= 1.0.0-6.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: lcg-info-dynamic-scheduler-pbs >= 2.0.1-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: torque-server >= 2.3.6-2cri.el5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-CREAM >= 3.2.8-2.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-security-lcmaps-plugins-basic >= 1.4.0-1.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: mysql-connector-java >= 5.0.8-4.jpp5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: vdt_globus_data_server >= VDT1.10.1x86_64_rhap_5-4 for package: ig_CREAM_torque
```

```
--> Processing Dependency: maui-server >= 3.2.6p21-snap.1234905291.5.el5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-dgas-common >= 3.4.0-4.centos5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-info-provider-service >= 1.4.1-1 for package: ig_CREAM_torque
```

```
--> Processing Dependency: torque >= 2.3.6-2cri.el5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: glite-security-lcmaps-plugins-verify-proxy >= 1.4.7-1.sl5 for package: ig_CREAM_torque
```

```
--> Processing Dependency: edg-pbs-utils >= 1.0.9-2.sl5 for package: ig_CREAM_torque
```

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```
--> Processing Dependency: glite-lb-logger >= 2.0.8-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-lcmaps-plugins-voms >= 1.4.0-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-apel-core >= 2.0.12-8 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-util-java >= 2.8.6-1.GL32 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-voms-clients >= 1.9.17-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-lcas >= 1.3.11-3.1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-voms-api-cpp >= 1.9.17-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-lcmaps >= 1.4.11-2.sl5 for package: ig_CREAM_torque
--> Processing Dependency: fetch-crl >= 2.7.0-2 for package: ig_CREAM_torque
--> Processing Dependency: lcg-info-provider-software >= 1.0.6-1 for package: ig_CREAM_torque
--> Processing Dependency: glite-ce-monitor >= 1.12.3-1 for package: ig_CREAM_torque
--> Processing Dependency: glite-ce-cream-utils >= 1.0.2-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: ig-yaim >= 4.0.13-2 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-glexec >= 0.7.0-2.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-voms-api-c >= 1.9.17-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: maui >= 3.2.6p21-snap.1234905291.5.el5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-lcas-plugins-check-executable >= 1.2.1-3.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-initscript-globus-gridftp >= 1.0.2-1 for package: ig_CREAM_torque
--> Processing Dependency: glite-apel-pbs >= 2.0.5-2 for package: ig_CREAM_torque
--> Processing Dependency: glite-jobid-api-cpp >= 1.0.0-4.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-gss >= 2.0.0-6.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-lb-common >= 7.0.6-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-ce-blahp >= 1.14.4-3.sl5 for package: ig_CREAM_torque
--> Processing Dependency: bdii >= 5.0.8-1 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-trustmanager >= 2.5.5-1 for package: ig_CREAM_torque
--> Processing Dependency: gpt >= 3.2autotools2004_NMI_9.0_x86_64_rhap_5-1 for package: ig_CREAM_torque
--> Processing Dependency: vdt_globus_essentials >= VDT1.10.1x86_64_rhap_5-4 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-gsoap-plugin >= 2.0.1-3.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-jobid-api-c >= 1.0.0-5.sl5 for package: ig_CREAM_torque
--> Processing Dependency: torque-client >= 2.3.6-2cri.el5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-lcas-interface >= 1.3.11-1.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-security-lcas-plugins-basic >= 1.3.2-3.sl5 for package: ig_CREAM_torque
--> Processing Dependency: c-ares >= 1.3.0-4.sl5 for package: ig_CREAM_torque
--> Processing Dependency: glite-ce-cream >= 1.12.4-2 for package: ig_CREAM_torque
--> Running transaction check
---> Package bdii.noarch 0:5.0.8-1 set to be updated
--> Processing Dependency: expect for package: bdii
--> Processing Dependency: openldap-servers for package: bdii
--> Processing Dependency: openldap-clients for package: bdii
---> Package bouncycastle-glite.noarch 0:1.42-3.jdk5 set to be updated
---> Package c-ares.x86_64 0:1.3.0-4.sl5 set to be updated
---> Package classads.x86_64 0:1.0-2.sl5 set to be updated
---> Package cleanup-grid-accounts.noarch 0:1.0.2-1 set to be updated
---> Package edg-pbs-utils.x86_64 0:1.0.9-2.sl5 set to be updated
---> Package fetch-crl.noarch 0:2.7.0-2 set to be updated
---> Package glite-CREAM.x86_64 0:3.2.8-2.sl5 set to be updated
--> Processing Dependency: perl-DBD-MySQL >= 3.0007 for package: glite-CREAM
--> Processing Dependency: tomcat5 >= 5.5.20 for package: glite-CREAM
--> Processing Dependency: mysql-server >= 5.0.45 for package: glite-CREAM
---> Package glite-apel-core.noarch 0:2.0.12-8 set to be updated
--> Processing Dependency: log4j for package: glite-apel-core
---> Package glite-apel-pbs.noarch 0:2.0.5-2 set to be updated
---> Package glite-ce-blahp.x86_64 0:1.14.4-3.sl5 set to be updated
--> Processing Dependency: perl(XML::Simple) for package: glite-ce-blahp
---> Package glite-ce-ce-plugin.noarch 0:1.12.2-1 set to be updated
---> Package glite-ce-cream.noarch 0:1.12.4-2 set to be updated
---> Package glite-ce-cream-utils.x86_64 0:1.0.2-1.sl5 set to be updated
---> Package glite-ce-job-plugin.noarch 0:1.12.2-1 set to be updated
---> Package glite-ce-monitor.noarch 0:1.12.3-1 set to be updated
---> Package glite-dgas-common.x86_64 0:3.4.0-4.centos5 set to be updated
---> Package glite-dgas-hlr-clients.x86_64 0:3.4.0-12.centos5 set to be updated
---> Package glite-info-generic.noarch 0:2.0.2-5 set to be updated
--> Processing Dependency: perl(Net::LDAP::Util) for package: glite-info-generic
--> Processing Dependency: perl(Net::LDAP::LDIF) for package: glite-info-generic
---> Package glite-info-provider-service.noarch 0:1.4.1-1 set to be updated
---> Package glite-info-templates.noarch 0:1.0.0-11 set to be updated
---> Package glite-initscript-globus-gridftp.noarch 0:1.0.2-1 set to be updated
```

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```
---> Package glite-jobid-api-c.x86_64 0:1.0.0-5.s15 set to be updated
---> Package glite-jobid-api-cpp.x86_64 0:1.0.0-4.s15 set to be updated
---> Package glite-lb-common.x86_64 0:7.0.6-1.s15 set to be updated
---> Package glite-lb-logger.x86_64 0:2.0.8-1.s15 set to be updated
---> Package glite-lbjp-common-trio.x86_64 0:1.0.0-6.s15 set to be updated
---> Package glite-security-glexec.x86_64 0:0.7.0-2.s15 set to be updated
---> Package glite-security-gsoap-plugin.x86_64 0:2.0.1-3.s15 set to be updated
---> Package glite-security-gss.x86_64 0:2.0.0-6.s15 set to be updated
---> Package glite-security-lcas.x86_64 0:1.3.11-3.1.s15 set to be updated
---> Package glite-security-lcas-interface.x86_64 0:1.3.11-1.s15 set to be updated
---> Package glite-security-lcas-lcmaps-gt4-interface.x86_64 0:0.0.14-3.s15 set to be updated
---> Package glite-security-lcas-plugins-basic.x86_64 0:1.3.2-3.s15 set to be updated
---> Package glite-security-lcas-plugins-check-executable.x86_64 0:1.2.1-3.s15 set to be updated
---> Package glite-security-lcas-plugins-voms.x86_64 0:1.3.5-2.1.s15 set to be updated
---> Package glite-security-lcmaps.x86_64 0:1.4.11-2.s15 set to be updated
---> Package glite-security-lcmaps-plugins-basic.x86_64 0:1.4.0-1.s15 set to be updated
---> Package glite-security-lcmaps-plugins-verify-proxy.x86_64 0:1.4.7-1.s15 set to be updated
---> Package glite-security-lcmaps-plugins-voms.x86_64 0:1.4.0-1.s15 set to be updated
---> Package glite-security-trustmanager.noarch 0:2.5.5-1 set to be updated
---> Package glite-security-util-java.noarch 0:2.8.6-1.GL32 set to be updated
---> Package glite-security-voms-api-c.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-api-cpp.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-security-voms-clients.x86_64 0:1.9.17-1.s15 set to be updated
---> Package glite-version.noarch 0:3.2.2-1 set to be updated
---> Package glite-yaim-core.noarch 0:4.0.12-1 set to be updated
---> Package glite-yaim-cream-ce.noarch 0:4.1.1-3 set to be updated
---> Package glite-yaim-torque-server.noarch 0:4.0.4-1 set to be updated
---> Package glite-yaim-torque-utils.noarch 0:4.0.4-1 set to be updated
---> Package glue-schema.noarch 0:2.0.3-1 set to be updated
---> Package gpt.x86_64 0:3.2autotools2004_NMI_9.0_x86_64_rhap_5-1 set to be updated
---> Package gridsite-shared.x86_64 0:1.5.10.5-3.s15 set to be updated
---> Package ig-yaim.noarch 0:4.0.13-2_7 set to be updated
---> Package lcg-expiregridmapdir.noarch 0:2.1.0-1 set to be updated
---> Package lcg-info-dynamic-pbs.noarch 0:1.0.13-1 set to be updated
---> Package lcg-info-dynamic-scheduler-generic.noarch 0:2.3.4-1 set to be updated
---> Package lcg-info-dynamic-scheduler-pbs.noarch 0:2.0.1-1 set to be updated
---> Package lcg-info-dynamic-software.noarch 0:1.0.5-0 set to be updated
---> Package lcg-info-provider-software.noarch 0:1.0.6-1 set to be updated
---> Package lcg-pbs-utils.noarch 0:1.0.0-1 set to be updated
---> Package maui.x86_64 0:3.2.6p21-snap.1234905291.5.e15 set to be updated
---> Package maui-client.x86_64 0:3.2.6p21-snap.1234905291.5.e15 set to be updated
---> Package maui-server.x86_64 0:3.2.6p21-snap.1234905291.5.e15 set to be updated
---> Package mysql-connector-java.noarch 1:5.0.8-4.jpp5 set to be updated
--> Processing Dependency: jta >= 1.0.1-0.a.1 for package: mysql-connector-java
---> Package torque.x86_64 0:2.3.6-2cri.e15 set to be updated
---> Package torque-client.x86_64 0:2.3.6-2cri.e15 set to be updated
---> Package torque-server.x86_64 0:2.3.6-2cri.e15 set to be updated
---> Package vdt_globus_data_server.x86_64 0:VDT1.10.1x86_64_rhap_5-4 set to be updated
---> Package vdt_globus_essentials.x86_64 0:VDT1.10.1x86_64_rhap_5-4 set to be updated
--> Running transaction check
---> Package expect.x86_64 0:5.43.0-5.1 set to be updated
---> Package geronimo-specs-compat.x86_64 0:1.0-0.M2.2jpp.12 set to be updated
--> Processing Dependency: geronimo-specs = 1.0-0.M2.2jpp.12 for package: geronimo-specs-compat
---> Package log4j.x86_64 0:1.2.13-3jpp.2 set to be updated
--> Processing Dependency: xml-commons-apis for package: log4j
---> Package mysql-server.x86_64 0:5.0.77-4.e15_5.4 set to be updated
--> Processing Dependency: mysql = 5.0.77-4.e15_5.4 for package: mysql-server
--> Processing Dependency: libmysqlclient.so.15(libmysqlclient_15) (64bit) for package: mysql-server
--> Processing Dependency: libmysqlclient_r.so.15(libmysqlclient_15) (64bit) for package: mysql-server
--> Processing Dependency: perl(DBI) for package: mysql-server
--> Processing Dependency: perl-DBI for package: mysql-server
--> Processing Dependency: libmysqlclient_r.so.15() (64bit) for package: mysql-server
--> Processing Dependency: libmysqlclient.so.15() (64bit) for package: mysql-server
---> Package openldap-clients.x86_64 0:2.3.43-12.e15_5.1 set to be updated
---> Package openldap-servers.x86_64 0:2.3.43-12.e15_5.1 set to be updated
--> Processing Dependency: libltdl.so.3() (64bit) for package: openldap-servers
---> Package perl-DBD-MySQL.x86_64 0:3.0007-2.e15 set to be updated
```

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```
---> Package perl-LDAP.noarch 1:0.33-3.fc6 set to be updated
--> Processing Dependency: perl(HTTP::Status) for package: perl-LDAP
--> Processing Dependency: perl(HTTP::Negotiate) for package: perl-LDAP
--> Processing Dependency: perl(Convert::ASN1) for package: perl-LDAP
--> Processing Dependency: perl(LWP::MediaTypes) for package: perl-LDAP
--> Processing Dependency: perl(HTTP::Response) for package: perl-LDAP
--> Processing Dependency: perl(LWP::Protocol) for package: perl-LDAP
--> Processing Dependency: perl(XML::SAX::Base) for package: perl-LDAP
--> Processing Dependency: perl(IO::Socket::SSL) for package: perl-LDAP
---> Package perl-XML-Simple.noarch 0:2.14-4.fc6 set to be updated
--> Processing Dependency: perl(XML::Parser) for package: perl-XML-Simple
---> Package tomcat5.x86_64 0:5.5.23-0jpp.9.el5_5 set to be updated
--> Processing Dependency: tomcat5-server-lib = 5.5.23-0jpp.9.el5_5 for package: tomcat5
--> Processing Dependency: tomcat5-common-lib = 5.5.23-0jpp.9.el5_5 for package: tomcat5
--> Processing Dependency: tomcat5-common-lib = 5.5.23-0jpp.9.el5_5 for package: tomcat5
--> Processing Dependency: tomcat5-server-lib = 5.5.23-0jpp.9.el5_5 for package: tomcat5
--> Processing Dependency: xerces-j2 >= 2.7.1 for package: tomcat5
--> Processing Dependency: jakarta-commons-launcher >= 0.9 for package: tomcat5
--> Processing Dependency: jakarta-commons-daemon >= 1.0.1 for package: tomcat5
--> Processing Dependency: jndi-ldap for package: tomcat5
--> Running transaction check
---> Package geronimo-specs.x86_64 0:1.0-0.M2.2jpp.12 set to be updated
--> Processing Dependency: mx4j >= 2.0.1 for package: geronimo-specs
--> Processing Dependency: servletapi5 for package: geronimo-specs
---> Package jakarta-commons-daemon.x86_64 1:1.0.1-6jpp.1 set to be updated
---> Package jakarta-commons-launcher.x86_64 0:0.9-6jpp.1 set to be updated
---> Package jdk.x86_64 2000:1.6.0_22-fcs set to be updated
---> Package ldapjdk.x86_64 0:4.18-2jpp.3.el5 set to be updated
---> Package libtool-ltdl.x86_64 0:1.5.22-7.el5_4 set to be updated
---> Package mysql.x86_64 0:5.0.77-4.el5_5.4 set to be updated
---> Package perl-Convert-ASN1.noarch 0:0.20-1.1 set to be updated
---> Package perl-DBI.x86_64 0:1.52-2.el5 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-Parser.x86_64 0:2.34-6.1.2.2.1 set to be updated
--> Processing Dependency: perl(URI) for package: perl-XML-Parser
---> Package perl-XML-SAX.noarch 0:0.14-8 set to be updated
--> Processing Dependency: perl(XML::NamespaceSupport) for package: perl-XML-SAX
---> Package perl-libwww-perl.noarch 0:5.805-1.1.1 set to be updated
--> Processing Dependency: perl-HTML-Parser >= 3.33 for package: perl-libwww-perl
--> Processing Dependency: perl(HTML::Entities) for package: perl-libwww-perl
--> Processing Dependency: perl(Compress::Zlib) for package: perl-libwww-perl
---> Package tomcat5-common-lib.x86_64 0:5.5.23-0jpp.9.el5_5 set to be updated
--> Processing Dependency: tomcat5-jasper = 5.5.23-0jpp.9.el5_5 for package: tomcat5-common-lib
--> Processing Dependency: tomcat5-jsp-2.0-api = 5.5.23-0jpp.9.el5_5 for package: tomcat5-common-lib
--> Processing Dependency: tomcat5-jasper = 5.5.23-0jpp.9.el5_5 for package: tomcat5-common-lib
--> Processing Dependency: tomcat5-jsp-2.0-api = 5.5.23-0jpp.9.el5_5 for package: tomcat5-common-lib
--> Processing Dependency: jaf >= 1.0.1 for package: tomcat5-common-lib
--> Processing Dependency: ant >= 1.6 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-logging >= 1.0.4 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-el >= 1.0 for package: tomcat5-common-lib
--> Processing Dependency: eclipse-ecj >= 3.1.1 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-pool >= 1.2 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-dbcj >= 1.2.1 for package: tomcat5-common-lib
--> Processing Dependency: jaf >= 1.0.1 for package: tomcat5-common-lib
--> Processing Dependency: javamail >= 1.3.1 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-logging >= 1.0.4 for package: tomcat5-common-lib
--> Processing Dependency: eclipse-ecj >= 3.1.1 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-collections >= 3.1 for package: tomcat5-common-lib
--> Processing Dependency: javamail >= 1.3.1 for package: tomcat5-common-lib
--> Processing Dependency: ant >= 1.6 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-el >= 1.0 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-pool >= 1.2 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-dbcj >= 1.2.1 for package: tomcat5-common-lib
--> Processing Dependency: jakarta-commons-collections >= 3.1 for package: tomcat5-common-lib
---> Package tomcat5-server-lib.x86_64 0:5.5.23-0jpp.9.el5_5 set to be updated
--> Processing Dependency: jakarta-commons-beanutils >= 1.7.0 for package: tomcat5-server-lib
```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
--> Processing Dependency: jakarta-commons-beanutils >= 1.7.0 for package: tomcat5-server-lib
--> Processing Dependency: jakarta-commons-digester >= 1.6 for package: tomcat5-server-lib
--> Processing Dependency: jakarta-commons-modeler >= 1.1-8jpp.1.0.1 for package: tomcat5-server-lib
--> Processing Dependency: regexp >= 1.3 for package: tomcat5-server-lib
--> Processing Dependency: jakarta-commons-fileupload >= 1.0-1jpp for package: tomcat5-server-lib
--> Processing Dependency: jakarta-commons-digester >= 1.6 for package: tomcat5-server-lib
--> Processing Dependency: jakarta-commons-modeler >= 1.1-8jpp.1.0.1 for package: tomcat5-server-lib
--> Processing Dependency: regexp >= 1.3 for package: tomcat5-server-lib
--> Processing Dependency: jakarta-commons-fileupload >= 1.0-1jpp for package: tomcat5-server-lib
---> Package xerces-j2.x86_64 0:2.7.1-7jpp.2.e15_4.2 set to be updated
--> Processing Dependency: xml-commons-resolver >= 1.1 for package: xerces-j2
--> Running transaction check
---> Package ant.x86_64 0:1.6.5-2jpp.2 set to be updated
--> Processing Dependency: java-devel for package: ant
---> 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 eclipse-ecj.x86_64 1:3.2.1-19.e15 set to be updated
---> Package jakarta-commons-beanutils.x86_64 0:1.7.0-5jpp.1 set to be updated
---> Package jakarta-commons-collections.x86_64 0:3.2-2jpp.3 set to be updated
---> Package jakarta-commons-dbcpc.x86_64 0:1.2.1-7jpp.1 set to be updated
---> Package jakarta-commons-digester.x86_64 0:1.7-5jpp.1 set to be updated
---> Package jakarta-commons-el.x86_64 0:1.0-7jpp.1 set to be updated
---> Package jakarta-commons-fileupload.x86_64 1:1.0-6jpp.1 set to be updated
---> Package jakarta-commons-logging.x86_64 0:1.0.4-6jpp.1 set to be updated
---> Package jakarta-commons-modeler.x86_64 0:1.1-8jpp.3.e15 set to be updated
--> Processing Dependency: jaxp_transform_impl for package: jakarta-commons-modeler
---> Package jakarta-commons-pool.x86_64 0:1.3-5jpp.1 set to be updated
---> Package mx4j.x86_64 1:3.0.1-6jpp.4 set to be updated
--> Processing Dependency: bcel >= 5.0 for package: mx4j
--> Processing Dependency: axis >= 1.1 for package: mx4j
--> Processing Dependency: xml-commons for package: mx4j
---> 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 regexp.x86_64 0:1.4-2jpp.2 set to be updated
---> Package tomcat5-jasper.x86_64 0:5.5.23-0jpp.9.e15_5 set to be updated
---> Package tomcat5-jsp-2.0-api.x86_64 0:5.5.23-0jpp.9.e15_5 set to be updated
---> Package tomcat5-servlet-2.4-api.x86_64 0:5.5.23-0jpp.9.e15_5 set to be updated
---> Package xml-commons-resolver.x86_64 0:1.1-1jpp.12 set to be updated
--> Running transaction check
---> Package axis.x86_64 0:1.2.1-2jpp.6 set to be updated
--> Processing Dependency: jakarta-commons-discovery for package: axis
--> Processing Dependency: jakarta-commons-httpclient for package: axis
--> Processing Dependency: wsdl4j for package: axis
---> Package bcel.x86_64 0:5.1-8jpp.1 set to be updated
---> Package java-1.6.0-sun-compat.x86_64 0:1.6.0.22-3.sl5.jpp set to be updated
--> Processing Dependency: /usr/bin/xsltproc for package: java-1.6.0-sun-compat
--> Processing Dependency: /usr/bin/xsltproc for package: java-1.6.0-sun-compat
---> Package perl-HTML-Tagset.noarch 0:3.10-2.1.1 set to be updated
---> Package xalan-j2.x86_64 0:2.7.0-6jpp.1 set to be updated
---> Package xml-commons.x86_64 0:1.3.02-0.b2.7jpp.10 set to be updated
--> Running transaction check
---> 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 libxslt.x86_64 0:1.1.17-2.e15_2.2 set to be updated
---> Package wsdl4j.x86_64 0:1.5.2-4jpp.1 set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin
```

Dependencies Resolved

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

Package	Arch	Version
=====		
Installing:		
ig_CREAM_torque	x86_64	3.2.8-2_ig20_sl5
Installing for dependencies:		
ant	x86_64	1.6.5-2jpp.2
axis	x86_64	1.2.1-2jpp.6
bcel	x86_64	5.1-8jpp.1
bdii	noarch	5.0.8-1
bouncycastle-glite	noarch	1.42-3.jdk5
c-ares	x86_64	1.3.0-4.sl5
classads	x86_64	1.0-2.sl5
classpathx-jaf	x86_64	1.0-9jpp.1
classpathx-mail	x86_64	1.1.1-4jpp.2
cleanup-grid-accounts	noarch	1.0.2-1
eclipse-ecj	x86_64	1:3.2.1-19.el5
edg-pbs-utils	x86_64	1.0.9-2.sl5
expect	x86_64	5.43.0-5.1
fetch-curl	noarch	2.7.0-2
geronimo-specs	x86_64	1.0-0.M2.2jpp.12
geronimo-specs-compatible	x86_64	1.0-0.M2.2jpp.12
glite-CREAM	x86_64	3.2.8-2.sl5
glite-apel-core	noarch	2.0.12-8
glite-apel-pbs	noarch	2.0.5-2
glite-ce-blahp	x86_64	1.14.4-3.sl5
glite-ce-ce-plugin	noarch	1.12.2-1
glite-ce-cream	noarch	1.12.4-2
glite-ce-cream-utils	x86_64	1.0.2-1.sl5
glite-ce-job-plugin	noarch	1.12.2-1
glite-ce-monitor	noarch	1.12.3-1
glite-dgas-common	x86_64	3.4.0-4.centos5
glite-dgas-hlr-clients	x86_64	3.4.0-12.centos5
glite-info-generic	noarch	2.0.2-5
glite-info-provider-service	noarch	1.4.1-1
glite-info-templates	noarch	1.0.0-11
glite-initscript-globus-gridftp	noarch	1.0.2-1
glite-jobid-api-c	x86_64	1.0.0-5.sl5
glite-jobid-api-cpp	x86_64	1.0.0-4.sl5
glite-lb-common	x86_64	7.0.6-1.sl5
glite-lb-logger	x86_64	2.0.8-1.sl5
glite-lbjp-common-trio	x86_64	1.0.0-6.sl5
glite-security-glexec	x86_64	0.7.0-2.sl5
glite-security-gsoap-plugin	x86_64	2.0.1-3.sl5
glite-security-gss	x86_64	2.0.0-6.sl5
glite-security-lcas	x86_64	1.3.11-3.1.sl5
glite-security-lcas-interface	x86_64	1.3.11-1.sl5
glite-security-lcas-lcmapi-gt4-interface	x86_64	0.0.14-3.sl5
glite-security-lcas-plugins-basic	x86_64	1.3.2-3.sl5
glite-security-lcas-plugins-check-executable	x86_64	1.2.1-3.sl5
glite-security-lcas-plugins-voms	x86_64	1.3.5-2.1.sl5
glite-security-lcmapi	x86_64	1.4.11-2.sl5
glite-security-lcmapi-plugins-basic	x86_64	1.4.0-1.sl5
glite-security-lcmapi-plugins-verify-proxy	x86_64	1.4.7-1.sl5
glite-security-lcmapi-plugins-voms	x86_64	1.4.0-1.sl5
glite-security-trustmanager	noarch	2.5.5-1
glite-security-util-java	noarch	2.8.6-1.GL32
glite-security-voms-api-c	x86_64	1.9.17-1.sl5
glite-security-voms-api-cpp	x86_64	1.9.17-1.sl5
glite-security-voms-clients	x86_64	1.9.17-1.sl5
glite-version	noarch	3.2.2-1
glite-yaim-core	noarch	4.0.12-1
glite-yaim-cream-ce	noarch	4.1.1-3
glite-yaim-torque-server	noarch	4.0.4-1
glite-yaim-torque-utils	noarch	4.0.4-1
glue-schema	noarch	2.0.3-1
gpt	x86_64	3.2autotools2004_NMI_9.0_x86_64_rhapi
gridsite-shared	x86_64	1.5.10.5-3.sl5

Update host and perform the installation of package(s)

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

ig-yaim	noarch	4.0.13-2_7
jakarta-commons-beanutils	x86_64	1.7.0-5jpp.1
jakarta-commons-collections	x86_64	3.2-2jpp.3
jakarta-commons-daemon	x86_64	1:1.0.1-6jpp.1
jakarta-commons-dbcsp	x86_64	1.2.1-7jpp.1
jakarta-commons-digester	x86_64	1.7-5jpp.1
jakarta-commons-discovery	x86_64	1:0.3-4jpp.1
jakarta-commons-el	x86_64	1.0-7jpp.1
jakarta-commons-fileupload	x86_64	1:1.0-6jpp.1
jakarta-commons-httpclient	x86_64	1:3.0-7jpp.1
jakarta-commons-launcher	x86_64	0.9-6jpp.1
jakarta-commons-logging	x86_64	1.0.4-6jpp.1
jakarta-commons-modeler	x86_64	1.1-8jpp.3.e15
jakarta-commons-pool	x86_64	1.3-5jpp.1
java-1.6.0-sun-compat	x86_64	1.6.0.22-3.s15.jpp
jdk	x86_64	2000:1.6.0_22-fcs
lcg-expiregridmapdir	noarch	2.1.0-1
lcg-info-dynamic-pbs	noarch	1.0.13-1
lcg-info-dynamic-scheduler-generic	noarch	2.3.4-1
lcg-info-dynamic-scheduler-pbs	noarch	2.0.1-1
lcg-info-dynamic-software	noarch	1.0.5-0
lcg-info-provider-software	noarch	1.0.6-1
lcg-pbs-utils	noarch	1.0.0-1
ldapjdk	x86_64	4.18-2jpp.3.e15
libtool-ltdl	x86_64	1.5.22-7.e15_4
libxslt	x86_64	1.1.17-2.e15_2.2
log4j	x86_64	1.2.13-3jpp.2
maui	x86_64	3.2.6p21-snap.1234905291.5.e15
maui-client	x86_64	3.2.6p21-snap.1234905291.5.e15
maui-server	x86_64	3.2.6p21-snap.1234905291.5.e15
mx4j	x86_64	1:3.0.1-6jpp.4
mysql	x86_64	5.0.77-4.e15_5.4
mysql-connector-java	noarch	1:5.0.8-4.jpp5
mysql-server	x86_64	5.0.77-4.e15_5.4
openldap-clients	x86_64	2.3.43-12.e15_5.1
openldap-servers	x86_64	2.3.43-12.e15_5.1
perl-Compress-Zlib	x86_64	1.42-1.fc6
perl-Convert-ASN1	noarch	0.20-1.1
perl-DBD-MySQL	x86_64	3.0007-2.e15
perl-DBI	x86_64	1.52-2.e15
perl-HTML-Parser	x86_64	3.55-1.fc6
perl-HTML-Tagset	noarch	3.10-2.1.1
perl-IO-Socket-SSL	noarch	1.01-1.fc6
perl-LDAP	noarch	1:0.33-3.fc6
perl-Net-SSLeay	x86_64	1.30-4.fc6
perl-URI	noarch	1.35-3
perl-XML-Namespacesupport	noarch	1.09-1.2.1
perl-XML-Parser	x86_64	2.34-6.1.2.2.1
perl-XML-SAX	noarch	0.14-8
perl-XML-Simple	noarch	2.14-4.fc6
perl-libwww-perl	noarch	5.805-1.1.1
regexp	x86_64	1.4-2jpp.2
tomcat5	x86_64	5.5.23-0jpp.9.e15_5
tomcat5-common-lib	x86_64	5.5.23-0jpp.9.e15_5
tomcat5-jasper	x86_64	5.5.23-0jpp.9.e15_5
tomcat5-jsp-2.0-api	x86_64	5.5.23-0jpp.9.e15_5
tomcat5-server-lib	x86_64	5.5.23-0jpp.9.e15_5
tomcat5-servlet-2.4-api	x86_64	5.5.23-0jpp.9.e15_5
torque	x86_64	2.3.6-2cri.e15
torque-client	x86_64	2.3.6-2cri.e15
torque-server	x86_64	2.3.6-2cri.e15
vdt_globus_data_server	x86_64	VDT1.10.1x86_64_rhap_5-4
vdt_globus_essentials	x86_64	VDT1.10.1x86_64_rhap_5-4
wSDL4j	x86_64	1.5.2-4jpp.1
xalan-j2	x86_64	2.7.0-6jpp.1
xerces-j2	x86_64	2.7.1-7jpp.2.e15_4.2
xml-commons	x86_64	1.3.02-0.b2.7jpp.10

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

xml-commons-resolver

x86_64

1.1-1jpp.12

Transaction Summary

```
=====
Install      131 Package(s)
Upgrade      0 Package(s)
```

Total download size: 180 M

Is this ok [y/N]: y

Downloading Packages:

```
(1/131): lcg-info-provider-software-1.0.6-1.noarch.rpm
(2/131): lcg-pbs-utils-1.0.0-1.noarch.rpm
(3/131): lcg-info-dynamic-software-1.0.5-0.noarch.rpm
(4/131): lcg-info-dynamic-pbs-1.0.13-1.noarch.rpm
(5/131): edg-pbs-utils-1.0.9-2.s15.x86_64.rpm
(6/131): glite-jobid-api-cpp-1.0.0-4.s15.x86_64.rpm
(7/131): glite-version-3.2.2-1.noarch.rpm
(8/131): glite-initscript-globus-gridftp-1.0.2-1.noarch.rpm
(9/131): glite-CREAM-3.2.8-2.s15.x86_64.rpm
(10/131): cleanup-grid-accounts-1.0.2-1.noarch.rpm
(11/131): geronimo-specs-compatible-1.0-0.M2.2jpp.12.x86_64.rpm
(12/131): glite-info-generic-2.0.2-5.noarch.rpm
(13/131): glite-yaim-torque-server-4.0.4-1.noarch.rpm
(14/131): maui-3.2.6p21-snap.1234905291.5.el5.x86_64.rpm
(15/131): ig_CREAM_torque-3.2.8-2_ig20_s15.x86_64.rpm
(16/131): lcg-expiregridmapdir-2.1.0-1.noarch.rpm
(17/131): glite-yaim-torque-utils-4.0.4-1.noarch.rpm
(18/131): glite-info-templates-1.0.0-11.noarch.rpm
(19/131): glite-security-lcas-interface-1.3.11-1.s15.x86_64.rpm
(20/131): lcg-info-dynamic-scheduler-pbs-2.0.1-1.noarch.rpm
(21/131): glite-security-lcas-plugins-check-executable-1.2.1-3.s15.x86_64.rpm
(22/131): perl-HTML-Tagset-3.10-2.1.1.noarch.rpm
(23/131): perl-XML-Namespacesupport-1.09-1.2.1.noarch.rpm
(24/131): glite-ce-cream-utils-1.0.2-1.s15.x86_64.rpm
(25/131): bdii-5.0.8-1.noarch.rpm
(26/131): glite-ce-ce-plugin-1.12.2-1.noarch.rpm
(27/131): glite-jobid-api-c-1.0.0-5.s15.x86_64.rpm
(28/131): xml-commons-1.3.02-0.b2.7jpp.10.x86_64.rpm
(29/131): fetch-curl-2.7.0-2.noarch.rpm
(30/131): glite-ce-job-plugin-1.12.2-1.noarch.rpm
(31/131): glite-apel-pbs-2.0.5-2.noarch.rpm
(32/131): glite-yaim-cream-ce-4.1.1-3.noarch.rpm
(33/131): glue-schema-2.0.3-1.noarch.rpm
(34/131): libtool-ltdl-1.5.22-7.el5_4.x86_64.rpm
(35/131): perl-Convert-ASN1-0.20-1.1.noarch.rpm
(36/131): lcg-info-dynamic-scheduler-generic-2.3.4-1.noarch.rpm
(37/131): jakarta-commons-daemon-1.0.1-6jpp.1.x86_64.rpm
(38/131): glite-info-provider-service-1.4.1-1.noarch.rpm
(39/131): perl-IO-Socket-SSL-1.01-1.fc6.noarch.rpm
(40/131): glite-security-lcas-lcmapi-gt4-interface-0.0.14-3.s15.x86_64.rpm
(41/131): glite-security-glexec-0.7.0-2.s15.x86_64.rpm
(42/131): perl-Compress-Zlib-1.42-1.fc6.x86_64.rpm
(43/131): jakarta-commons-fileupload-1.0-6jpp.1.x86_64.rpm
(44/131): java-1.6.0-sun-compatible-1.6.0.22-3.s15.jpp.x86_64.rpm
(45/131): perl-XML-Simple-2.14-4.fc6.noarch.rpm
(46/131): glite-security-lcas-plugins-basic-1.3.2-3.s15.x86_64.rpm
(47/131): glite-lbjp-common-trio-1.0.0-6.s15.x86_64.rpm
(48/131): glite-security-gss-2.0.0-6.s15.x86_64.rpm
(49/131): glite-security-lcmapi-plugins-verify-proxy-1.4.7-1.s15.x86_64.rpm
(50/131): perl-XML-SAX-0.14-8.noarch.rpm
(51/131): glite-lb-logger-2.0.8-1.s15.x86_64.rpm
(52/131): glite-security-lcas-plugins-voms-1.3.5-2.1.s15.x86_64.rpm
(53/131): glite-security-lcas-1.3.11-3.1.s15.x86_64.rpm
(54/131): perl-HTML-Parser-3.55-1.fc6.x86_64.rpm
(55/131): jakarta-commons-launcher-0.9-6jpp.1.x86_64.rpm
(56/131): regexp-1.4-2jpp.2.x86_64.rpm
(57/131): tomcat5-jsp-2.0-api-5.5.23-0jpp.9.el5_5.x86_64.rpm
```

Update host and perform the installation of package(s)

(58/131): c-ares-1.3.0-4.s15.x86_64.rpm
 (59/131): torque-2.3.6-2cri.el5.x86_64.rpm
 (60/131): gridsite-shared-1.5.10.5-3.s15.x86_64.rpm
 (61/131): classpathx-jaf-1.0-9jpp.1.x86_64.rpm
 (62/131): jakarta-commons-logging-1.0.4-6jpp.1.x86_64.rpm
 (63/131): perl-URI-1.35-3.noarch.rpm
 (64/131): glite-yaim-core-4.0.12-1.noarch.rpm
 (65/131): torque-client-2.3.6-2cri.el5.x86_64.rpm
 (66/131): glite-security-lcmaps-plugins-basic-1.4.0-1.s15.x86_64.rpm
 (67/131): torque-server-2.3.6-2cri.el5.x86_64.rpm
 (68/131): jakarta-commons-pool-1.3-5jpp.1.x86_64.rpm
 (69/131): perl-DBD-MySQL-3.0007-2.el5.x86_64.rpm
 (70/131): jakarta-commons-discovery-0.3-4jpp.1.x86_64.rpm
 (71/131): expect-5.43.0-5.1.x86_64.rpm
 (72/131): tomcat5-servlet-2.4-api-5.5.23-0jpp.9.el5_5.x86_64.rpm
 (73/131): ig-yaim-4.0.13-2_7.noarch.rpm
 (74/131): xml-commons-resolver-1.1-1jpp.12.x86_64.rpm
 (75/131): glite-security-lcmaps-plugins-voms-1.4.0-1.s15.x86_64.rpm
 (76/131): perl-Net-SSLeay-1.30-4.fc6.x86_64.rpm
 (77/131): perl-XML-Parser-2.34-6.1.2.2.1.x86_64.rpm
 (78/131): openldap-clients-2.3.43-12.el5_5.1.x86_64.rpm
 (79/131): tomcat5-common-lib-5.5.23-0jpp.9.el5_5.x86_64.rpm
 (80/131): geronimo-specs-1.0-0.M2.2jpp.12.x86_64.rpm
 (81/131): jakarta-commons-modeler-1.1-8jpp.3.el5.x86_64.rpm
 (82/131): jakarta-commons-el-1.0-7jpp.1.x86_64.rpm
 (83/131): jakarta-commons-dbc-1.2.1-7jpp.1.x86_64.rpm
 (84/131): glite-security-lcmaps-1.4.11-2.s15.x86_64.rpm
 (85/131): glite-dgas-hlr-clients-3.4.0-12.centos5.x86_64.rpm
 (86/131): perl-LDAP-0.33-3.fc6.noarch.rpm
 (87/131): glite-security-util-java-2.8.6-1.GL32.noarch.rpm
 (88/131): jakarta-commons-digester-1.7-5jpp.1.x86_64.rpm
 (89/131): tomcat5-5.5.23-0jpp.9.el5_5.x86_64.rpm
 (90/131): perl-libwww-perl-5.805-1.1.1.noarch.rpm
 (91/131): wsd14j-1.5.2-4jpp.1.x86_64.rpm
 (92/131): glite-ce-blahp-1.14.4-3.s15.x86_64.rpm
 (93/131): libxslt-1.1.17-2.el5_2.2.x86_64.rpm
 (94/131): vdt_globus_data_server-VDT1.10.1x86_64_rhap_5-4.x86_64.rpm
 (95/131): maui-server-3.2.6p21-snap.1234905291.5.el5.x86_64.rpm
 (96/131): glite-dgas-common-3.4.0-4.centos5.x86_64.rpm
 (97/131): jakarta-commons-beanutils-1.7.0-5jpp.1.x86_64.rpm
 (98/131): jakarta-commons-httpclient-3.0-7jpp.1.x86_64.rpm
 (99/131): perl-DBI-1.52-2.el5.x86_64.rpm
 (100/131): glite-lb-common-7.0.6-1.s15.x86_64.rpm
 (101/131): log4j-1.2.13-3jpp.2.x86_64.rpm
 (102/131): glite-apel-core-2.0.12-8.noarch.rpm
 (103/131): mysql-connector-java-5.0.8-4.jpp5.noarch.rpm
 (104/131): gpt-3.2autotools2004_NMI_9.0_x86_64_rhap_5-1.x86_64.rpm
 (105/131): ldapjdk-4.18-2jpp.3.el5.x86_64.rpm
 (106/131): maui-client-3.2.6p21-snap.1234905291.5.el5.x86_64.rpm
 (107/131): glite-security-voms-clients-1.9.17-1.s15.x86_64.rpm
 (108/131): tomcat5-jasper-5.5.23-0jpp.9.el5_5.x86_64.rpm
 (109/131): bcel-5.1-8jpp.1.x86_64.rpm
 (110/131): jakarta-commons-collections-3.2-2jpp.3.x86_64.rpm
 (111/131): classpathx-mail-1.1.1-4jpp.2.x86_64.rpm
 (112/131): bouncecastle-glite-1.42-3.jdk5.noarch.rpm
 (113/131): openldap-servers-2.3.43-12.el5_5.1.x86_64.rpm
 (114/131): ant-1.6.5-2jpp.2.x86_64.rpm
 (115/131): glite-security-gsoap-plugin-2.0.1-3.s15.x86_64.rpm
 (116/131): mx4j-3.0.1-6jpp.4.x86_64.rpm
 (117/131): classads-1.0-2.s15.x86_64.rpm
 (118/131): xerces-j2-2.7.1-7jpp.2.el5_4.2.x86_64.rpm
 (119/131): axis-1.2.1-2jpp.6.x86_64.rpm
 (120/131): glite-security-voms-api-c-1.9.17-1.s15.x86_64.rpm
 (121/131): tomcat5-server-lib-5.5.23-0jpp.9.el5_5.x86_64.rpm
 (122/131): glite-ce-monitor-1.12.3-1.noarch.rpm
 (123/131): glite-security-voms-api-cpp-1.9.17-1.s15.x86_64.rpm
 (124/131): xalan-j2-2.7.0-6jpp.1.x86_64.rpm

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
(125/131): mysql-5.0.77-4.el5_5.4.x86_64.rpm
(126/131): glite-ce-cream-1.12.4-2.noarch.rpm
(127/131): glite-security-trustmanager-2.5.5-1.noarch.rpm
(128/131): eclipse-ecj-3.2.1-19.el5.x86_64.rpm
(129/131): mysql-server-5.0.77-4.el5_5.4.x86_64.rpm
(130/131): vdt_globus_essentials-VDT1.10.1x86_64_rhap_5-4.x86_64.rpm
(131/131): jdk-1.6.0_22-fcs.x86_64.rpm
```

Total

Running rpm_check_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing      : jakarta-commons-logging
Installing      : glite-security-voms-api-cpp
Installing      : tomcat5-servlet-2.4-api
Installing      : glite-jobid-api-c
Installing      : torque
Installing      : classads
Installing      : c-ares
Installing      : jakarta-commons-collections
Installing      : glite-lbjp-common-trio
Installing      : classpathx-jaf
Installing      : jakarta-commons-beanutils
Installing      : gridsite-shared
Installing      : glite-security-voms-api-c
Installing      : perl-DBI
Installing      : mysql
Installing      : perl-DBD-MySQL
Installing      : jakarta-commons-digester
Installing      : tomcat5-jasper
Installing      : glite-security-voms-clients
Installing      : glite-ce-cream-utils
Installing      : regexp
Installing      : jakarta-commons-el
Installing      : glite-dgas-common
Installing      : jakarta-commons-pool
Installing      : jakarta-commons-dbc
Installing      : bcel
Installing      : mysql-server
Installing      : torque-client
Installing      : torque-server
Installing      : tomcat5-jsp-2.0-api
Installing      : jakarta-commons-fileupload
Installing      : jakarta-commons-httpclient
Installing      : jakarta-commons-discovery
Installing      : expect
Installing      : perl-Net-SSLeay
Installing      : openldap-clients
Installing      : eclipse-ecj
Installing      : libtool-ltdl
Installing      : openldap-servers
Installing      : jakarta-commons-daemon
Installing      : libxslt
Installing      : perl-Compress-Zlib
Installing      : jakarta-commons-launcher
Installing      : jdk
```

Unpacking JAR files...

```
rt.jar...
jsse.jar...
charsets.jar...
tools.jar...
localedata.jar...
plugin.jar...
javaws.jar...
deploy.jar...
```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
Installing      : java-1.6.0-sun-compat
Installing      : glite-security-lcas-interface
Installing      : bouncycastle-glite
Installing      : glite-ce-monitor
Installing      : classpathx-mail
Installing      : glite-ce-cream
Installing      : gpt
Using system tar and gzip programs to unpack packages
GNU tar located at /bin/tar
GNU zip located at /bin/gzip
GNU unzip located at /bin/gunzip
GNU make located at /usr/bin/make
Perl located at /usr/bin/perl
rpm located at /bin/rpm
rpmbuild located at /bin/rpmbuild
RPM Package License set to GNU
RPM Package Vendor set to NCSA
RPM Package FTP Site set to ftp.ncsa.uiuc.edu
RPM Package URL set to http://www.gridpackaging.org
RPM Packager set to NCSA
RPM Prefix set to /usr/grid
GNU target platform set to x86_64-unknown-linux-gnu
Installing      : vdt_globus_essentials
Installing      : glite-security-lcmaps
Installing      : glite-security-gss
Installing      : glite-security-lcas
Installing      : glite-lb-common
Installing      : vdt_globus_data_server
Installing      : maui
Installing      : glite-security-util-java
Installing      : glue-schema
Installing      : glite-lb-logger
Installing      : glite-security-lcas-lcmaps-gt4-interface
Installing      : glite-security-gsoap-plugin
Installing      : glite-security-lcmaps-plugins-voms
Installing      : glite-security-lcmaps-plugins-verify-proxy
Installing      : glite-security-lcmaps-plugins-basic
Installing      : glite-security-lcas-plugins-check-executable
Installing      : glite-security-lcas-plugins-voms
Installing      : glite-security-lcas-plugins-basic
Installing      : bdi
Installing      : glite-initscript-globus-gridftp
Installing      : glite-security-glexec
Installing      : glite-ce-job-plugin
Installing      : glite-ce-ce-plugin
Installing      : glite-jobid-api-cpp
Installing      : glite-version
Installing      : cleanup-grid-accounts
Installing      : lcg-info-dynamic-software
Installing      : fetch-crl
Installing      : lcg-info-dynamic-scheduler-generic
Installing      : glite-yaim-cream-ce
Installing      : glite-info-provider-service
Installing      : lcg-info-provider-software
Installing      : lcg-expiregridmapdir
Installing      : glite-yaim-core
Installing      : perl-URI
Installing      : maui-server
Installing      : maui-client
Installing      : glite-dgas-hlr-clients
Installing      : perl-IO-Socket-SSL
Installing      : ig-yaim
Installing      : glite-yaim-torque-utils
Installing      : perl-XML-Namespacesupport
Installing      : perl-XML-SAX
Installing      : lcg-info-dynamic-scheduler-pbs
Installing      : edg-pbs-utils
```

Update host and perform the installation of package(s)

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
Installing      : xml-commons
Installing      : lcg-pbs-utils
Installing      : glite-yaim-torque-server
Installing      : perl-HTML-Tagset
Installing      : perl-HTML-Parser
Installing      : perl-libwww-perl
Installing      : perl-XML-Parser
Installing      : perl-XML-Simple
Installing      : glite-ce-blahp
Installing      : perl-Convert-ASN1
Installing      : perl-LDAP
Installing      : glite-info-generic
Installing      : glite-info-templates
Installing      : lcg-info-dynamic-pbs
Installing      : ldapjdk
Installing      : xerces-j2
Installing      : log4j
Installing      : xml-commons-resolver
Installing      : xalan-j2
Installing      : ant
Installing      : wsd14j
Installing      : glite-apel-core
Installing      : glite-security-trustmanager
Installing      : axis
Installing      : mx4j
Installing      : geronimo-specs
Installing      : jakarta-commons-modeler
Installing      : geronimo-specs-compatible
Installing      : tomcat5-common-lib
Installing      : tomcat5-server-lib
Installing      : mysql-connector-java
Installing      : tomcat5
Installing      : glite-CREAM
Installing      : glite-apel-pbs
Installing      : ig_CREAM_torque
```

Installed:

```
ig_CREAM_torque.x86_64 0:3.2.8-2_ig20_sl5
```

Dependency Installed:

```
ant.x86_64 0:1.6.5-2jpp.2
bcel.x86_64 0:5.1-8jpp.1
bouncycastle-glite.noarch 0:1.42-3.jdk5
classads.x86_64 0:1.0-2.sl5
classpathx-mail.x86_64 0:1.1.1-4jpp.2
eclipse-ecj.x86_64 1:3.2.1-19.e15
expect.x86_64 0:5.43.0-5.1
geronimo-specs.x86_64 0:1.0-0.M2.2jpp.12
glite-CREAM.x86_64 0:3.2.8-2.sl5
glite-apel-pbs.noarch 0:2.0.5-2
glite-ce-ce-plugin.noarch 0:1.12.2-1
glite-ce-cream-utils.x86_64 0:1.0.2-1.sl5
glite-ce-monitor.noarch 0:1.12.3-1
glite-dgas-hlr-clients.x86_64 0:3.4.0-12.centos5
glite-info-provider-service.noarch 0:1.4.1-1
glite-initscript-globus-gridftp.noarch 0:1.0.2-1
glite-jobid-api-cpp.x86_64 0:1.0.0-4.sl5
glite-lb-logger.x86_64 0:2.0.8-1.sl5
glite-security-glexec.x86_64 0:0.7.0-2.sl5
glite-security-gss.x86_64 0:2.0.0-6.sl5
glite-security-lcas-interface.x86_64 0:1.3.11-1.sl5
glite-security-lcas-plugins-basic.x86_64 0:1.3.2-3.sl5
glite-security-lcas-plugins-voms.x86_64 0:1.3.5-2.1.sl5
glite-security-lcmapi-plugins-basic.x86_64 0:1.4.0-1.sl5
glite-security-lcmapi-plugins-voms.x86_64 0:1.4.0-1.sl5
glite-security-util-java.noarch 0:2.8.6-1.GL32
glite-security-voms-api-cpp.x86_64 0:1.9.17-1.sl5
```

```
axis.x86_64 0:1.2.1-2j
bdii.noarch 0:5.0.8-1
c-ares.x86_64 0:1.3.0-
classpathx-jaf.x86_64
cleanup-grid-accounts.
edg-pbs-utils.x86_64 0
fetch-crl.noarch 0:2.7
geronimo-specs-compatible.
glite-apel-core.noarch
glite-ce-blahp.x86_64
glite-ce-cream.noarch
glite-ce-job-plugin.no
glite-dgas-common.x86_
glite-info-generic.noa
glite-info-templates.n
glite-jobid-api-c.x86_
glite-lb-common.x86_64
glite-lbjp-common-trio
glite-security-gsoap-p
glite-security-lcas.x8
glite-security-lcas-lo
glite-security-lcas-pl
glite-security-lcmapi.
glite-security-lcmapi.
glite-security-trustma
glite-security-voms-ap
glite-security-voms-cl
```

Update host and perform the installation of package(s)

```
glite-version.noarch 0:3.2.2-1
glite-yaim-cream-ce.noarch 0:4.1.1-3
glite-yaim-torque-utils.noarch 0:4.0.4-1
gpt.x86_64 0:3.2autotools2004_NMI_9.0_x86_64_rhap_5-1
ig-yaim.noarch 0:4.0.13-2_7
jakarta-commons-collections.x86_64 0:3.2-2jpp.3
jakarta-commons-dbcp.x86_64 0:1.2.1-7jpp.1
jakarta-commons-discovery.x86_64 1:0.3-4jpp.1
jakarta-commons-fileupload.x86_64 1:1.0-6jpp.1
jakarta-commons-launcher.x86_64 0:0.9-6jpp.1
jakarta-commons-modeler.x86_64 0:1.1-8jpp.3.e15
java-1.6.0-sun-compat.x86_64 0:1.6.0.22-3.sl5.jpp
lcg-expiregridmapdir.noarch 0:2.1.0-1
lcg-info-dynamic-scheduler-generic.noarch 0:2.3.4-1
lcg-info-dynamic-software.noarch 0:1.0.5-0
lcg-pbs-utils.noarch 0:1.0.0-1
libtool-ltdl.x86_64 0:1.5.22-7.e15_4
log4j.x86_64 0:1.2.13-3jpp.2
maui-client.x86_64 0:3.2.6p21-snap.1234905291.5.e15
mx4j.x86_64 1:3.0.1-6jpp.4
mysql-connector-java.noarch 1:5.0.8-4.jpp5
openldap-clients.x86_64 0:2.3.43-12.e15_5.1
perl-Compress-Zlib.x86_64 0:1.42-1.fc6
perl-DBD-MySQL.x86_64 0:3.0007-2.e15
perl-HTML-Parser.x86_64 0:3.55-1.fc6
perl-IO-Socket-SSL.noarch 0:1.01-1.fc6
perl-Net-SSLeay.x86_64 0:1.30-4.fc6
perl-XML-NamespaceSupport.noarch 0:1.09-1.2.1
perl-XML-SAX.noarch 0:0.14-8
perl-libwww-perl.noarch 0:5.805-1.1.1
tomcat5.x86_64 0:5.5.23-0jpp.9.e15_5
tomcat5-jasper.x86_64 0:5.5.23-0jpp.9.e15_5
tomcat5-server-lib.x86_64 0:5.5.23-0jpp.9.e15_5
torque.x86_64 0:2.3.6-2cri.e15
torque-server.x86_64 0:2.3.6-2cri.e15
vdt_globus_essentials.x86_64 0:VDT1.10.1x86_64_rhap_5-4
xalan-j2.x86_64 0:2.7.0-6jpp.1
xml-commons.x86_64 0:1.3.02-0.b2.7jpp.10
```

```
glite-yaim-core.noarch
glite-yaim-torque-serv
glue-schema.noarch 0:2
gridsite-shared.x86_64
jakarta-commons-beanut
jakarta-commons-daemon
jakarta-commons-digest
jakarta-commons-el.x86
jakarta-commons-httpcl
jakarta-commons-loggin
jakarta-commons-pool.x
jdk.x86_64 2000:1.6.0_
lcg-info-dynamic-pbs.n
lcg-info-dynamic-sched
lcg-info-provider-soft
ldapjdk.x86_64 0:4.18-
libxslt.x86_64 0:1.1.1
maui.x86_64 0:3.2.6p21
maui-server.x86_64 0:3
mysql.x86_64 0:5.0.77-
mysql-server.x86_64 0:
openldap-servers.x86_6
perl-Convert-ASN1.noar
perl-DBI.x86_64 0:1.52
perl-HTML-Tagset.noarc
perl-LDAP.noarch 1:0.3
perl-URI.noarch 0:1.35
perl-XML-Parser.x86_64
perl-XML-Simple.noarch
regexp.x86_64 0:1.4-2j
tomcat5-common-lib.x86
tomcat5-jsp-2.0-api.x8
tomcat5-servlet-2.4-ap
torque-client.x86_64 0
vdt_globus_data_server
wsdl4j.x86_64 0:1.5.2-
xerces-j2.x86_64 0:2.7
xml-commons-resolver.x
```

Complete!

Install CAs

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

CERTIFICATES

Installing certificate

```
$ cd /etc/grid-security/
drwxr-xr-x 2 root root 20480 Jun 30 16:36 certificates
-rw-r--r-- 1 root root 1062 Jun 30 16:42 hostcert.pem
-r----- 1 root root 887 Jun 30 16:42 hostkey.pem
drwxr-xr-x 2 root root 4096 Jun 30 16:40 vomsdir
```

CONFIGURING

Edit the /opt/glite/yaim/examples/siteinfo/ig-site-info.def file

```
# Uncomment this variable if you are installing a mysql server
# It is the MySQL admin password.
MYSQL_PASSWORD=KualaLumpur
```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
# Human-readable name of your site
SITE_NAME=GRID-TEST-VM01

# The contact e-mail of your site.
# A coma separated list of email addresses.
SITE_EMAIL="giuseppe.larocca@ct.infn.it"

# It is the position of your site north or south of the equator
# measured from -90. to 90. with positive values going north and
# negative values going south.
SITE_LAT=37.5

# It is the position of the site east or west of Greenwich, England
# measured from -180. to 180. with positive values going east and
# negative values going west.
SITE_LONG=15.152

# Hostname of the CE
CE_HOST=vm01.ct.infn.it
TORQUE_SERVER=$CE_HOST

#####
# SubCluster configuration #
#####

# Name of the processor model as defined by the vendor
# for the Worker Nodes in a SubCluster.
CE_CPU_MODEL="Dual Core AMD Opteron(tm) Processor 2218 HE"

# Name of the processor vendor
# for the Worker Nodes in a SubCluster
CE_CPU_VENDOR=AuthenticAMD

# Processor clock speed expressed in MHz
# for the Worker Nodes in a SubCluster.
CE_CPU_SPEED=2390.797

# For the following variables please check:
# http://goc.grid.sinica.edu.tw/gocwiki/How\_to\_publish\_the\_OS\_name
#
# Operating system name used on the Worker Nodes
# part of the SubCluster.
CE_OS="Scientific Linux"

# Operating system release used on the Worker Nodes
# part of the SubCluster.
CE_OS_RELEASE=5.5

# Operating system version used on the Worker Nodes
# part of the SubCluster.
CE_OS_VERSION="Boron"

# Platform Type of the WN in the SubCluster
# Check: http://goc.grid.sinica.edu.tw/gocwiki/How\_to\_publish\_my\_machine\_architecture
CE_OS_ARCH=x86_64

# Total physical memory of a WN in the SubCluster
# expressed in Megabytes.
CE_MINPHYSMEM=512

# Total virtual memory of a WN in the SubCluster
# expressed in Megabytes.
CE_MINVIRTMEM=512

# Total number of real CPUs/physical chips in
# the SubCluster, including the nodes part of the
# SubCluster that are temporary down or offline.
```

```

CE_PHYSCPU=1

# Total number of cores/hyperthreaded CPUs in
# the SubCluster, including the nodes part of the
# SubCluster that are temporary down or offline
CE_LOGCPU=4

# Number of Logical CPUs (cores) of the WN in the
# SubCluster
CE_SMPSIZE=4

# Performance index of your fabric in SpecInt 2000
CE_SI00=3800

# Performance index of your fabric in SpecFloat 2000
CE_SF00=3800

# Set this variable to either TRUE or FALSE to express
# the permission for direct outbound connectivity
# for the WNs in the SubCluster
CE_OUTBOUNDIP=TRUE

# Set this variable to either TRUE or FALSE to express
# the permission for inbound connectivity
# for the WNs in the SubCluster
CE_INBOUNDIP=FALSE

CE_RUNTIMEENV="
GLITE-3_1_0
GLITE-3_2_0
R-GMA
SI00MeanPerCPU_3800
SF00MeanPerCPU_3800
"

# The following values must be defined by the sys admin:
# - CPUScalingReferenceSI00=
# - Share=: (optional, multiple definitons)
CE_CAPABILITY="CPUScalingReferenceSI00=23.75"

# The following values must be defined by the sys admin:
# - Cores=value
# - value-HEP-SPEC06 (optional), where value is the CPU power computed
# using the HEP-SPEC06 benchmark
CE_OTHERDESCR="Cores=4,Benchmark=6.5-HEP-SPEC06]"

INT_HOST_SW_DIR=$CE_INT_HOST

# Space separated list of SE hosts from SE_LIST containing
# the export directory from the Storage Element and the
# mount directory common to the worker nodes that are part
# of the Computing Element. If any of the SEs in SE_LIST
# does not support the mount concept, do not define
# anything for that SE in this variable. If this is the case
# for all the SEs in SE_LIST then put the value "none"
SE_MOUNT_INFO_LIST="${INT_HOST_SW_DIR}:/opt/exp_soft,/opt/exp_soft"

#####
# Batch server configuration variables #
#####

# Hostname of the Batch server
# Change this if your batch server is not installed
# in the same host of the CE
BATCH_SERVER=$CE_HOST

# INFN-GRID: only for LSF; path for the batch-system bin files

```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
BATCH_BIN_DIR=/usr/bin

# Jobmanager specific settings. Please, define:
# lcgpbs, lcglsf, lcgsge or lcgcondor
# INFN-GRID: for CREAM CE write it without 'lcg' prefix: pbs, lsf, sge, condor
JOB_MANAGER=pbs

# torque, lsf, sge or condor
# INFN-GRID: write here 'pbs' even if you are using torque (for compatibility
#           with MPI support on Globus), write 'lsf' if you using LSF.
CE_BATCH_SYS=pbs

# INFN-GRID: only for torque/pbs; path for batch-system log files
# BATCH_LOG_DIR=/var/spool/pbs
BATCH_LOG_DIR=/var/spool/pbs

BATCH_VERSION=my_batch_system_version

# Database password for the APEL DB.
APEL_DB_PASSWORD="KualaLumpur"

# Path for the batch-system log files.
# * for torque/pbs:
# DGAS_ACCT_DIR=/var/spool/pbs/server_priv/accounting
# * for LSF:
# DGAS_ACCT_DIR=lsf_install_path/work/cluster_name/logdir
# * for SGE:
# DGAS_ACCT_DIR=/opt/sge/default/common/
DGAS_ACCT_DIR=/var/spool/pbs/server_priv/accounting

# Hostname of the site BDII
#SITE_BDII_HOST=$CE_HOST

#####
# VO configuration variables #
#####
# If you are configuring a DNS-like VO, please check
# the following URL: https://twiki.cern.ch/twiki/bin/view/LCG/YaimGuide400#vo\_d\_directory

# Space separated list of VOs supported by your site
VOS="dteam ops eumed infngrid"

# Prefix of the experiment software directory in your CE
VO_SW_DIR=exp_soft_dir

# Space separated list of queues configured in your CE
QUEUES="dteam ops eumed infngrid"

# For each queue defined in QUEUES, define a _GROUP_ENABLE variable
# which is a space separated list of VO names and VOMS FQANS:
# Ex.: MYQUEUE_GROUP_ENABLE="ops atlas cms /cms/Higgs /cms/ROLE=production"
# In QUEUE names containing dots and dashes replace them with underscore:
# Ex.: QUEUES="my.test-queue"
#       MY_TEST_QUEUE_GROUP_ENABLE="ops atlas"
DTEAM_GROUP_ENABLE="dteam"
OPS_GROUP_ENABLE="ops"
EUMED_GROUP_ENABLE="eumed"
INFNGRID_GROUP_ENABLE="infngrid"
CERT_GROUP_ENABLE="dteam ops"

#####
# eumed #
#####
VO_EUMED_SW_DIR=$VO_SW_DIR/eumed
VO_EUMED_DEFAULT_SE=$SE_HOST
VO_EUMED_STORAGE_DIR=$CLASSIC_STORAGE_DIR/eumed
VO_EUMED_VOMS_SERVERS="'vomss://vomss2.cnaf.infn.it:8443/voms/eumed?/eumed' 'vomss://vomss-02.pd.infn.it:8443/voms/eumed?/eumed'"
```


InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
VO_EUMED_VOMSES="'eumed voms2.cnaf.infn.it 15016 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms2.cnaf.infn.it
VO_EUMED_VOMS_CA_DN="'/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA' "
VO_EUMED_WMS_HOSTS="wms-01.eumedgrid.eu"
```

```
#####
# infngrid #
#####
VO_INFNGRID_SW_DIR=$VO_SW_DIR/infngrid
VO_INFNGRID_DEFAULT_SE=$SE_HOST
VO_INFNGRID_STORAGE_DIR=$CLASSIC_STORAGE_DIR/infngrid
VO_INFNGRID_VOMS_SERVERS="'vomss://voms.cnaf.infn.it:8443/voms/infngrid?/infngrid' 'vomss://voms-
VO_INFNGRID_VOMSES="'infngrid voms.cnaf.infn.it 15000 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.in
VO_INFNGRID_VOMS_CA_DN="'/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA' "
```

```
#####
# dteam #
#####
VO_DTEAM_SW_DIR=$VO_SW_DIR/dteam
VO_DTEAM_DEFAULT_SE=$SE_HOST
VO_DTEAM_STORAGE_DIR=$CLASSIC_STORAGE_DIR/dteam
VO_DTEAM_VOMS_SERVERS='vomss://voms.hellasgrid.gr:8443/voms/dteam?/dteam/'
VO_DTEAM_VOMSES="'dteam lcg-voms.cern.ch 15004 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch dt
VO_DTEAM_VOMS_CA_DN="'/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=
#
```

```
#####
# ops #
#####
VO_OPS_SW_DIR=$VO_SW_DIR/ops
VO_OPS_DEFAULT_SE=$SE_HOST
VO_OPS_STORAGE_DIR=$CLASSIC_STORAGE_DIR/ops
VO_OPS_VOMS_SERVERS="vomss://voms.cern.ch:8443/voms/ops?/ops/"
VO_OPS_VOMSES="'ops lcg-voms.cern.ch 15009 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch ops 24
VO_OPS_VOMS_CA_DN="'/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=CE
#
```

Add the unix users in the /opt/glite/yaim/examples/ig-users.conf file

```
70001:eumed001:48000:eumed:eumed::
70002:eumed002:48000:eumed:eumed::
70003:eumed003:48000:eumed:eumed::
70004:eumed004:48000:eumed:eumed::
70005:eumed005:48000:eumed:eumed::
70006:eumed006:48000:eumed:eumed::
70007:eumed007:48000:eumed:eumed::
70008:eumed008:48000:eumed:eumed::
70009:eumed009:48000:eumed:eumed::
70010:eumed010:48000:eumed:eumed::
70101:sgmeumed01:47001,48000:eumedsgm,eumed:eumed:sgm
70102:sgmeumed02:47001,48000:eumedsgm,eumed:eumed:sgm
70103:sgmeumed03:47001,48000:eumedsgm,eumed:eumed:sgm
[...]
2451:infngrid001:2405:infngrid:infngrid::
2452:infngrid002:2405:infngrid:infngrid::
2453:infngrid003:2405:infngrid:infngrid::
2454:infngrid004:2405:infngrid:infngrid::
2455:infngrid005:2405:infngrid:infngrid::
2456:infngrid006:2405:infngrid:infngrid::
2457:infngrid007:2405:infngrid:infngrid::
2458:infngrid008:2405:infngrid:infngrid::
2459:infngrid009:2405:infngrid:infngrid::
2460:infngrid010:2405:infngrid:infngrid::
7106:sgminfngrid001:2504,2405:sgminfngrid,infngrid:infngrid:sgm:
7206:sgminfngrid002:2504,2405:sgminfngrid,infngrid:infngrid:sgm:
7306:sgminfngrid003:2504,2405:sgminfngrid,infngrid:infngrid:sgm:
```

Add the unix groups in the /opt/glite/yaim/examples/ig-groups.conf file

```
"/eumed/ROLE=SoftwareManager"::sgm
```

```
"/eumed"::::
"/infngrid/ROLE=SoftwareManager"::::sgm:
"/infngrid/ROLE=pilot"::::pilot:
"/infngrid"::::
```

Edit the /opt/glite/yaim/examples/siteinfo/services/glite-creamce file

```
# CE-monitor host (by default CE-monitor is installed on the same machine as
# cream-CE)
CEMON_HOST=${CE_HOST}
#
# CREAM database user
CREAM_DB_USER=creamdbuser
CREAM_DB_PASSWORD=KualaLumpur
#
# Machine hosting the BLAH blparser.
# In this machine batch system logs must be accessible.
BLPARSER_HOST=${CE_HOST}
```

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

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

Start the configuration with ig_yaim

```
$ /opt/glite/yaim/bin/ig_yaim -c -s /opt/glite/yaim/examples/siteinfo/ig-site-info.def -n ig_CREAM
```

```
WARNING:
WARNING: *****
WARNING: Your siteinfo directory is world readable. This is generally a bad idea
WARNING: as configuration files may contain passwords and other sensitive information.
WARNING: *****
WARNING:
INFO: Using site configuration file: /opt/glite/yaim/examples/siteinfo/ig-site-info.def
INFO: Sourcing MPI_common configuration file: /opt/glite/yaim/examples/siteinfo/services/ig-mpi_
INFO: Sourcing MPI_CE configuration file: /opt/glite/yaim/examples/siteinfo/services/ig-mpi_ce
INFO: Sourcing service specific configuration file: /opt/glite/yaim/examples/siteinfo/services
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: Dec 28 09:41 /opt/glite/yaim/examples/siteinfo/ig-site-info.def
yaim command: -c -s /opt/glite/yaim/examples/siteinfo/ig-site-info.def -n ig_CREAM_torque
log file: /opt/glite/yaim/bin/./log/yaimlog
Tue Dec 28 11:19:23 CET 2010 : /opt/glite/yaim/bin/ig_yaim

Installed YAIM versions:
glite-yaim-core 4.0.12-1
glite-yaim-cream-ce 4.1.1-3
glite-yaim-torque-server 4.0.4 -1
glite-yaim-torque-utils 4.0.4-1
ig-yaim 4.0.13-2_7

#####
INFO: The default location of the grid-env.(c)sh files will be: /opt/glite/etc/profile.d
INFO: Sourcing the utilities in /opt/glite/yaim/functions/utils
INFO: Detecting environment
INFO: Executing function: config_ntp_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ntp
```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
INFO: Executing function: config_mpi_ce_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_mpi_ce
INFO: Executing function: config_cream_stop_check
INFO: Executing function: config_cream_clean_check
INFO: Executing function: config_cream_db_check
INFO: Executing function: config_add_pool_env_check
INFO: Executing function: config_host_certs_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_users_check
INFO: Executing function: config_edgusers_check
INFO: Executing function: config_cream_glexec_user_check
INFO: Executing function: config_cream_clean_sudoers_check
INFO: Executing function: config_cream_sudoers_check
INFO: Executing function: config_secure_tomcat_check
INFO: Executing function: config_vomsmap_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_vomsmap
INFO: Executing function: config_globus_clients_check
INFO: Executing function: config_rgma_client_check
INFO: Executing function: config_lcas_lcmaps_gt4_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_lcas_lcmaps_gt4
INFO: Executing function: config_globus_gridftp_check
INFO: Executing function: config_cream_glexec_check
INFO: Executing function: config_cream_blah_check
INFO: Executing function: config_cream_ce_check
INFO: Executing function: config_cream_logrotation_check
INFO: Executing function: config_dgas_ce_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_dgas_ce
INFO: Executing function: config_cream_gip_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_cream_gip
INFO: Executing function: config_gip_scheduler_plugin_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_gip_scheduler_plugin
INFO: Executing function: config_gip_vo_tag_check
INFO: Executing function: config_info_service_cream_ce_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_info_service_cream
INFO: Executing function: config_info_service_cemon_check
INFO: Executing function: config_cream_cemon_check
INFO: Executing function: config_cream_gliteservices_check
INFO: Executing function: config_cream_locallogger_check
INFO: Executing function: config_glite_locallogger_check
INFO: Executing function: config_torque_server_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_torque_server
INFO: Executing function: config_maui_cfg_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_maui_cfg
INFO: Executing function: config_apel_pbs_check
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_apel_pbs
INFO: Executing function: config_gip_sched_plugin_pbs_check
INFO: Executing function: config_torque_submitter_ssh_check
INFO: Executing function: config_bdii_only_check
INFO: Executing function: config_ntp_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ntp
INFO: Executing function: config_ntp
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ntp
INFO: Storing old ntp settings in /etc/ntp.conf.yaimold.20101228_111925
INFO: Executing function: config_mpi_ce
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_mpi_ce
INFO: Executing function: config_cream_stop_setenv
INFO: Executing function: config_cream_stop
INFO: blah not running
INFO: tomcat not running
INFO: blah not running
INFO: lb processes not running
INFO: Executing function: config_cream_clean_setenv
INFO: Executing function: config_cream_clean
INFO: Executing function: config_cream_db_setenv
INFO: Executing function: config_cream_db
```

The database version requested by cream service is 2.4

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
The version retrieved from the creamdb database is 2.4
The creamdb database is synchronized with the one requested by cream service
The database version requested by cream service is 2.4
The version retrieved from the delegationdb database is 2.4
The delegationdb database is synchronized with the one requested by cream service
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_ldconf
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_ldconf
INFO: Executing function: config_sysconfig_edg
INFO: Executing function: config_host_certs
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...
WARNING: /opt/glite/libexec/fetch-crl.sh didn't finish succesfully
WARNING: CRLs may not be updated, please have a look !
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
INFO: Executing function: config_vomses
INFO: Executing function: config_users
INFO: Executing function: config_edgusers
INFO: Executing function: config_cream_glexec_user_setenv
INFO: Executing function: config_cream_glexec_user
INFO: CONFIG_USERS is set to yes
INFO: Executing function: config_cream_clean_sudoers_setenv
INFO: Executing function: config_cream_clean_sudoers
INFO: /etc/sudoers file already clean. Probably installation from scratch
INFO: Executing function: config_cream_sudoers_setenv
INFO: Executing function: config_cream_sudoers
INFO: Installed sudo version: 1.7.2
INFO: Executing function: config_secure_tomcat_setenv
INFO: Executing function: config_secure_tomcat
INFO: Check that java is installed
INFO: Check that tomcat is installed
INFO: Stop tomcat in case it's running
Stopping tomcat5: INFO: Copying hostcert to /etc/grid-security/tomcat-cert.pem for tomcat:root...
INFO: Copying hostkey to /etc/grid-security/tomcat-key.pem for tomcat:root...
INFO: Configuring /etc/tomcat5/server.xml...
INFO: Copying trustmanager deps to tomcat server lib directory..
INFO: Defining JAVA_HOME in the Tomcat configuration file
INFO: Starting Tomcat
Starting tomcat5: /usr/bin/rebuild-jar-repository: error: Could not find xml-commons-apis Java ex
/usr/bin/rebuild-jar-repository: error: Some detected jars were not found for this jvm
[ OK ]
INFO: Executing function: config_vomsmap_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_vomsmap
INFO: Executing function: config_vomsmap
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_vomsmap
INFO: Creating grid-map directory in /etc/grid-security/gridmapdir
INFO: Creating voms grid-map file in /etc/grid-security/voms-grid-mapfile
INFO: Creating voms groupmap file in /etc/grid-security/groupmapfile
INFO: Copying the /etc/grid-security/voms-grid-mapfile in the standard location /etc/grid-secu
INFO: Executing function: config_globus_clients_setenv
INFO: Executing function: config_globus_clients
INFO: Configure the globus service
setup-tmpdirs: creating ./config.status
config.status: creating globus-script-initializer
config.status: creating Paths.pm
creating globus-sh-tools-vars.sh
creating globus-script-initializer
creating Globus::Core::Paths
checking globus-hostname
Done
INFO: Executing function: config_rgma_client_setenv
INFO: Executing function: config_rgma_client
INFO: YAIM has detected the OS is SL5. The rgma client is no longer configured in SL5.
INFO: Executing function: config_lcas_lcmmaps_gt4_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_lcas_lcmmaps_gt4
```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
INFO: Executing function: config_lcas_lcmaps_gt4
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_lcas_lcmaps_gt4
INFO: Creating LCAS_DB_FILE in /opt/glite/etc/lcas/lcas.db
INFO: Creating LCMAPS_DB_FILE in /opt/glite/etc/lcmaps/lcmaps.db
INFO: Executing function: config_globus_gridftp_setenv
INFO: Executing function: config_globus_gridftp
INFO: Starting gridftp service :
Shutting down globus-gridftp-server: [FAILED]
Starting globus-gridftp-server [ OK ]
INFO: Executing function: config_cream_glexec_setenv
INFO: Executing function: config_cream_glexec
INFO: Executing function: config_cream_blah_setenv
INFO: Executing function: config_cream_blah
INFO: Executing function: config_cream_ce_setenv
INFO: Executing function: config_cream_ce
Stopping tomcat5: [ OK ]
Starting tomcat5: /usr/bin/rebuild-jar-repository: error: Could not find xml-commons-apis Java ex
/usr/bin/rebuild-jar-repository: error: Some detected jars were not found for this jvm
[ OK ]
INFO: Executing function: config_cream_logrotation_setenv
INFO: Executing function: config_cream_logrotation
INFO: Executing function: config_nfs_sw_dir_server
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_nfs_sw_dir_server
WARNING: Please ensure that the VO software area has the correct permissions.
WARNING: If you have single sgm account : chmod -R u+rw,go-w
WARNING: If you have multiple sgm accounts : chmod -R ug+rw,o-w
WARNING: YAIM's proposal:
WARNING: Execute the following commands only once:
WARNING: Execute the following manually: chown -R sgmteam001:sgmteam /opt/exp_soft/dteam
WARNING: Execute the following manually: chmod -R ug+rw,o-w /opt/exp_soft/dteam
WARNING: Execute the following manually: chown -R sgmops001:sgmops /opt/exp_soft/ops
WARNING: Execute the following manually: chmod -R ug+rw,o-w /opt/exp_soft/ops
WARNING: Execute the following manually: chown -R sgmeumed001:sgmeumed /opt/exp_soft/eumed
WARNING: Execute the following manually: chmod -R ug+rw,o-w /opt/exp_soft/eumed
WARNING: Execute the following manually: chown -R sgminfigrid001:sgminfigrid /opt/exp_soft/infigrid
WARNING: Execute the following manually: chmod -R ug+rw,o-w /opt/exp_soft/infigrid
Stopping portmap: [ OK ]
Starting portmap: [ OK ]
Shutting down NFS mountd: [FAILED]
Shutting down NFS daemon: [FAILED]
Shutting down NFS quotas: [FAILED]
Shutting down NFS services: [FAILED]
Starting NFS services: [ OK ]
Starting NFS quotas: [ OK ]
Starting NFS daemon: [ OK ]
Starting NFS mountd: [ OK ]
Stopping NFS locking: [ OK ]
Stopping NFS statd: [ OK ]
Starting NFS statd: [ OK ]
INFO: Executing function: config_dgas_ce_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_dgas_ce
INFO: No environment variables to set.
INFO: Executing function: config_dgas_ce
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_dgas_ce
INFO: config_dgas_ce: Create configuration file.
INFO: config_dgas_ce: Creating /opt/glite/etc/dgas_sensors.conf ...
cat: /opt/glite/var/lock/dgas_urcollector.lock: No such file or directory
INFO: config_dgas_ce: Successfully created /opt/glite/etc/dgas_sensors.conf !
INFO: config_dgas_ce: Creating /etc/logrotate.d/dgas ...
INFO: config_dgas_ce: Successfully created /etc/logrotate.d/dgas !
INFO: config_dgas_ce: Adding system user 'dgas'.
INFO: config_dgas_ce: Restart services.
Stopping glite-dgas-pushd.pl: already stopped [FAILED]
Stopping urCollector HAD... already stopped [FAILED]
Stopping glite-urcollector.pl: [FAILED]
Starting glite-urcollector.pl: [ OK ]
Starting urCollector HAD... [ OK ]
```

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
Starting glite-dgas-pushd.pl: [ OK ]
INFO: Executing function: config_gip_only
INFO: Executing function: config_cream_gip_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_cream_gip
INFO: Executing function: config_cream_gip
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_cream_gip
INFO: Executing function: config_gip_scheduler_plugin_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_gip_scheduler_plug
INFO: Executing function: config_gip_scheduler_plugin
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_gip_scheduler_plug
INFO: Executing function: config_cream_gip_software_plugin
INFO: Executing function: config_gip_vo_tag
INFO: Executing function: config_gip_service_release
INFO: Executing function: config_info_service_cream_ce_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_info_service_cream
glite-lb-interlogd: no process killed
[11996] Initializing...
[11996] Parse messages for correctness... [yes]
[11996] Send messages also to inter-logger... [yes]
[11996] Messages will be stored with the filename prefix "/var/glite/log/dglogd.log".
[11996] Server running with certificate: /C=IT/O=INFN/OU=Host/L=INFNCT/CN=vm01.ct.infn.it
[11996] Listening on port 9002
[11996] Running as daemon... [yes]
INFO: Executing function: config_info_service_cream_ce
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_info_service_cream
INFO: Executing function: config_info_service_cemon_setenv
INFO: Executing function: config_info_service_cemon
INFO: Executing function: config_cream_cemon_setenv
INFO: Executing function: config_cream_cemon
INFO: Executing function: config_cream_gliteservices_setenv
INFO: Executing function: config_cream_gliteservices
INFO: Executing function: config_cream_locallogger_setenv
INFO: Executing function: config_cream_locallogger
INFO: Executing function: config_glite_locallogger_setenv
INFO: Executing function: config_glite_locallogger
INFO: Applying the workaround for bug 22389...
Stopping glite-lb-logd ... not running
Stopping glite-lb-interlogd ... not running
Starting glite-lb-logd ...This is LocalLogger, part of Workload Management System in EU DataGrid
done
Starting glite-lb-interlogd ... done
INFO: Executing function: config_glite_initd
INFO: Executing function: config_torque_server_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_torque_server
INFO: Currently this function doesn't set any environment variables.
INFO: Executing function: config_torque_server
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_torque_server
INFO: Re-starting the torque server
Shutting down TORQUE Server: [FAILED]
Starting TORQUE Server: [ OK ]
Max open servers: 4
Max open servers: 4
Max open servers: 4
Max open servers: 4
Max open servers: 4
Max open servers: 4
Max open servers: 4
Shutting down TORQUE Server: [ OK ]
Starting TORQUE Server: [ OK ]
INFO: Executing function: config_maui_cfg_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_maui_cfg
INFO: Executing function: config_maui_cfg
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_maui_cfg
INFO: configuring maui ...
creamCE_torque
MAUI is already stopped: [ OK ]
Starting MAUI Scheduler: [ OK ]
```

Start the configuration with `ig_yaim`

InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

```
INFO: Executing function: config_apel_pbs_setenv
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_apel_pbs
INFO: Executing function: config_apel_pbs
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_apel_pbs
INFO: Executing function: config_gip_sched_plugin_pbs_setenv
INFO: Executing function: config_gip_sched_plugin_pbs
INFO: Executing function: config_torque_submitter_ssh
Reloading sshd: [ OK ]
INFO: Executing function: config_pbs_ssh_hostbased_auth
INFO: Using locally defined function /opt/glite/yaim/functions/local/config_pbs_ssh_hostbased_
Stopping sshd: [ OK ]
Starting sshd: [ OK ]
INFO: Executing function: config_bdii_only
Stopping BDII: BDII Already stopped
Starting SLAPD: [ OK ]

Starting update process: [ OK ]

INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.
```

Disable YUM update

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

Ports Check

Use the netstat command to see what services are listening on which ports.

```
$ netstat -tnlp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address           Foreign Address         State       PID/Program name
tcp        0      0 127.0.0.1:32000         0.0.0.0:*                LISTEN      2241/wrapd
tcp        0      0 0.0.0.0:6881          0.0.0.0:*                LISTEN      14220/mba
tcp        0      0 0.0.0.0:6882          0.0.0.0:*                LISTEN      14098/sba
tcp        0      0 0.0.0.0:42115         0.0.0.0:*                LISTEN      14096/res
tcp        0      0 0.0.0.0:54628         0.0.0.0:*                LISTEN      14152/pim
tcp        0      0 0.0.0.0:740           0.0.0.0:*                LISTEN      2680/rpc.
tcp        0      0 0.0.0.0:773           0.0.0.0:*                LISTEN      2714/rpc.
tcp        0      0 0.0.0.0:937           0.0.0.0:*                LISTEN      2451/rpc.
tcp        0      0 0.0.0.0:3306          0.0.0.0:*                LISTEN      17140/mys
tcp        0      0 0.0.0.0:9002          0.0.0.0:*                LISTEN      22858/gli
tcp        0      0 0.0.0.0:111           0.0.0.0:*                LISTEN      2410/port
tcp        0      0 212.189.144.120:2170  0.0.0.0:*                LISTEN      12936/sla
tcp        0      0 0.0.0.0:7869          0.0.0.0:*                LISTEN      14094/lim
tcp        0      0 0.0.0.0:6878          0.0.0.0:*                LISTEN      14096/res
tcp        0      0 :::9091               :::*                    LISTEN      14901/jav
tcp        0      0 :::56554              :::*                    LISTEN      14086/BN
tcp        0      0 :::2811               :::*                    LISTEN      3621/glob
```

Firewall

The following ports have to be opened:

- CREAM and CEMonitor: port 8443/tcp,udp
- Admin Tomcat: port 8005-8009/tcp,udp
- Job status change: port 9091/tcp
- CREAM job sensor plugin: port 9099/tcp
- LB local logger glite-lb-logd: port 9002/tcp
- GridFTP Server: 2811/tcp and data ports 20000-25000/tcp (or any range specified by BLOBUS_TCP_P
- Local Site-BDII: port 2170/tcp
- mysql: port 3306/tcp
- ntpd: port 123/udp

TESTING

```
Check if tomcat is running...
```

```
$ /etc/init.d/tomcat5 status
/etc/init.d/tomcat5 is already running (7693)
```

If the daemon is stopped try this solution:

```
$ rm -rf /var/lib/tomcat5/common/lib/jakarta*
$ /etc/init.d/tomcat5 start
```

```
Run the CheckCreamConf script, which checks part of the CREAM CE
configuration
```

```
$ /opt/glite/yaim/libexec/CheckCreamConf.pl
```

```
This is CheckCreamConf v. 1.0.8
This is vm01.ct.infn.it
Checking versions of relevant RPMs ...
Checking if some needed environment variables are defined ...
Checking the installed CREAM war ...
Checking if there are old jar arrounds ...
Checking glxec executable ...
Checking BLAH configuration ...
Checking some info published in the resource BDII ...
Checking CREAM conf file ...
```

Done: please check CheckCreamConf.log

```
$ cat CheckCreamConf.log
```

```
This is CheckCreamConf v. 1.0.8
This is the latest available version of CheckCreamConf
```

```
This is vm01.ct.infn.it
Linux vm01.ct.infn.it 2.6.18-194.26.1.el5xen #1 SMP Tue Nov 9 13:08:55 EST 2010 x86_64 x86_64
```

```
Checking versions of relevant RPMs ...
glite-ce-cream-utils-1.0.2-1.s15.x86_64
glite-ce-monitor-1.12.3-1.noarch
glite-ce-cream-1.12.4-2.noarch
glite-ce-ce-plugin-1.12.2-1.noarch
glite-ce-job-plugin-1.12.2-1.noarch
glite-ce-blahp-1.14.4-3.s15.x86_64
glite-yaim-cream-ce-4.1.1-3.noarch
glite-CREAM-3.2.8-2.s15.x86_64
```

```
Checking if some needed environment variables are defined ...
Error: CATALINA_HOME is not defined
```

```
Checking the installed CREAM war ...
Error: can't find /webapps/ce-cream.war
```

```
Checking if there are old jar arrounds ...
ok
```

```
Checking glxec executable ...
-r-sr-sr-x 1 root glxec 103461 Mar  2  2010 /opt/glite/sbin/glxec
```

```
Checking BLAH configuration ...
supported_lrms=pbs
You are using the new BLAH Blparser
BNotifier (pid 10563) is running...
BUpdaterPBS (pid 10569) is running...
```

```
Checking some info published in the resource BDII ...
```


InstallationAndConfigurationOfACREAMCE < SiteAdminCorner < TWiki

The following CEIDs are published in the resource BDII:
GlueCEUniqueID: vm01.ct.infn.it:8443/cream-pbs-ops
GlueCEUniqueID: vm01.ct.infn.it:8443/cream-pbs-eumed
GlueCEUniqueID: vm01.ct.infn.it:8443/cream-pbs-dteam
GlueCEUniqueID: vm01.ct.infn.it:8443/cream-pbs-infigrid

Checking CREAM conf file ...

The value set for BLAH_JOBID_PREFIX is cream_

Warning: if there are more CREAM CEs using the same farm, use different values for BLAH_J

Check web service

Open your browser (where a valid certificate must be installed) to <https://:8443/ce-cream/service>
A page with link to the CREAM WSDL should be shown

Check in the CREAM log file (/opt/glite/var/log/glite-ce-cream.log) for the following strings

```
org.glite.ce.cream.ws.StartupManager - CREAM started!
```

```
org.glite.ce.cream.jobmanagement.cmdexecutor.blah.BLParseClient - Connection with BLPars
```

(Replace xxx with the name of your management system: lsf or pbs)

If they are not there, it means that CREAM has not started properly

Try a gsiftp (e.g. using globus-url-copy or uberftp) towards that CREAM CE

```
$ uberftp vm01.ct.infn.it
220 vm01.ct.infn.it GridFTP Server 2.8 (gcc64dbg, 1217607445-63) [VDT patched 4.0.8] read
230 User infngrid010 logged in.
uberftp> quit
221 Goodbye.
kthxbye
```

Try the following command from a UI

```
$ glite-ce-allowed-submission vm01.ct.infn.it:8443
Job Submission to this CREAM CE is enabled
```

Try a submission to that CE using the qsub command

```
$ pbsnodes -q
vm02.ct.infn.it
state = free
np = 4
properties = lcgpro
ntype = cluster
status = opsys=linux,uname=Linux vm02.ct.infn.it 2.6.18-194.26.1.el5xen #1 SMP Tue Nov 9 13:
```

```
$ qstat -q
```

```
server: vm01.ct.infn.it
```

Queue	Memory	CPU	Time	Walltime	Node	Run	Que	Lm	State
eumed	--	48:00:00	72:00:00	72:00:00	--	0	0	--	E R
infngrid	--	48:00:00	72:00:00	72:00:00	--	0	0	--	E R
ops	--	48:00:00	72:00:00	72:00:00	--	0	0	--	E R
dteam	--	48:00:00	72:00:00	72:00:00	--	0	0	--	E R
						0	0		

```
$ su - infngrid001
$ cat test.sh
#!/bin/sh
hostname -f
sleep 5
```

```
$ qsub test.sh -q infngrid
1.vm01.ct.infn.it
```

```
$ qstat
Job id          Name          User          Time Use S Queue
-----
1.vm01         test.sh       infngrid001   0 R infngrid
```

Try a submission to that CE using the `glite-ce-job-submit` command

```
$ glite-ce-job-submit -r vm01.ct.infn.it:8443/cream-pbs-infngrid -a hostname_cream.jdl
2010-12-28 13:02:12,250 WARN - No configuration file suitable for loading. Using built-in configuration
https://vm01.ct.infn.it:8443/CREAM953866855
```

```
$ glite-ce-job-status https://vm01.ct.infn.it:8443/CREAM953866855
2010-12-28 13:02:32,789 WARN - No configuration file suitable for loading. Using built-in configuration
```

```
***** JobID=[https://vm01.ct.infn.it:8443/CREAM953866855]
        Status      = [REALLY-RUNNING]
```

```
$ glite-ce-job-status https://vm01.ct.infn.it:8443/CREAM953866855
2010-12-28 13:04:41,727 WARN - No configuration file suitable for loading. Using built-in configuration
```

```
***** JobID=[https://vm01.ct.infn.it:8443/CREAM953866855]
        Status      = [DONE-OK]
        ExitCode     = [0]
```

LOG Files

/var/log/messages
/opt/glite/var/log/dgas_pushd.log
/opt/glite/var/log/dgas_urcollector.log
/opt/glite/var/log/glite-ce-bnotifier.log
/opt/glite/var/log/glite-ce-bupdater.log
/opt/glite/var/log/glite-ce-cream.log
/var/log/globus-gatekeeper.log

External links

<http://grid.pd.infn.it/cream/field.php?n=Main.HomePage>

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

-- GiuseppeLaRocca - 2011-01-17

This topic: SiteAdminCorner > InstallationAndConfigurationOfACREAMCE
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