

# Table of Contents

Notes about Installation and Configuration of a WMS.....	1
Service Installation.....	1
O.S. and Repos.....	1

# Notes about Installation and Configuration of a WMS

- 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 Top BDII based on EMI/UMD middleware.

## 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)
```

- Remove DAG repository
- Install the additional repositories: EPEL, Certification Authority, EMI

```
cd /etc/yum.repos.d/
wget http://repository.egi.eu/sw/production/cas/1/current/repo-files/egi-trustanchors.repo -O /et
wget http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi -O /tmp/emi-key_gd.asc
rpm --import /tmp/emi-key_gd.asc
rpm -Uvh http://repo-pd.italiangrid.it/mrepo/EMI/1/sl5/x86_64/updates/emi-release-1.0.1-1.sl5.noa
rpm -Uvh http://dl.fedoraproject.org/pub/epel/5/i386/epel-release-5-4.noarch.rpm
yum clean all
yum install yum-protectbase.noarch
cd
wget http://forge.cnaf.infn.it/frs/download.php/101/disable_yum.sh
./disable_yum.sh
```

- Be sure that SELINUX is disabled (or permissive). Details on how to disable SELINUX are here : [http://www.selinuxproject.org/view/SLIWiki:FAQ.DisablingSELinux](#)
- 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/
emil-base.repo emil-updates.repo epel-testing.repo emil-third-party.repo
sl-contrib.repo sl-fastbugs.repo sl-security.repo sl-testing.repo sl-debuginfo.repo sl.repo sl-
egi-trustanchors.repo
epel.repo
```

**IMPORTANT:** Make sure you have ntpd installed, running and that your machine clock is correctly synchronized:

```
yum install ntp
service ntpd restart
chkconfig ntpd on
```

### CAs Installation ▾ CAs Installation ▾ Install CAs:

```
[root@prod-wms-02 yum.repos.d]# yum install ca-policy-egi-core
Loaded plugins: kernel-module, protectbase
```

67 packages excluded due to repository protections

Setting up Install Process

Resolving Dependencies

--> Running transaction check

----> Package ca-policy-egi-core.noarch 0:1.43-1 set to be updated

- > Processing Dependency: ca\_SDG = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CNIC = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UNLPGGrid = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_DFN-GridGermany-Root = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_DZeScience = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_NECTEC = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_IGCA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_TERENA-eScience-SSL-CA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_PolishGrid = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_TERENAESciencePersonalCA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UGRID = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CNRS2 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_TACC-Root = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_NIKHEF = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CNRS2-Projets = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_ESnet = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CESNET-CA-3 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_QuoVadis-Root-CA1 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_LIPCA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_JUnet-CA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_HIAST = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_AddTrust-External-CA-Root = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_Grid-Ireland = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_IUCC = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_INFN-CA-2006 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_HellasGrid-Root = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_BEGrid2008 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_NICS-MyProxy = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UTN-USERFirst-Hardware = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UKeScienceCA-2007 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_BalticGrid = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_HKU = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_FNAL-SLCS = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_SEE-GRID = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UNAMgrid-ca = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_GermanGrid = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CERN-TCA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_NCSA-slcs = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_PRAGMA-UCSD = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_ULAGrid-CA-2008 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_IRAN-GRID = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_ncsa-gridshib-ca = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_APAC = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_TACC-MICS = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_HellasGrid-CA-2006 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_NCSA-mics = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_pkIRISGrid = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_SiGNET-CA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_BYGCA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UKeScienceCA-2A = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_DFN-SLCS = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_GridCanada = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CESNET = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_PK-Grid-2007 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_DOEGrids = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_UKeScienceRoot-2007 = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_SWITCH-QuoVadis-Grid-ICA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_NERSC-SLCS = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_PSC-Myproxy-CA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_MREN-CA = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_CyGrid = 1.43 for package: ca-policy-egi-core
- > Processing Dependency: ca\_TRGrid = 1.43 for package: ca-policy-egi-core

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
--> Processing Dependency: ca_cilogon-silver = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_IHEP = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_CERN-Root = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_SRCE = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_MaGrid = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_REUNA-ca = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_SWITCHgrid-Root = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_CALG = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_NIIF = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_ArmeSFo = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_UKeScienceCA-2B = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_AAACertificateServices = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_BG-ACAD-CA = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_NorduGrid = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_UTNAAclient = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_MARGI = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_ASGCCA-2007 = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_BrGrid = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_CESNET-CA-Root = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_KEK = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_RomanianGRID = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_MD-Grid = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_NCHC = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_CNRS2-Grid-FR = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_AIST = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_LACGridCA = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_AEGIS = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_RDIG = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_KISTI-2007 = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_SlovakGrid = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_AustrianGrid = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_TACC-Classic = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_SWITCHslcs2011 = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_NAREGI = 1.43 for package: ca-policy-egi-core
--> Processing Dependency: ca_UniandesCA = 1.43 for package: ca-policy-egi-core
--> Running transaction check
---> Package ca_AAACertificateServices.noarch 0:1.43-1 set to be updated
---> Package ca_AEGIS.noarch 0:1.43-1 set to be updated
---> Package ca_AIST.noarch 0:1.43-1 set to be updated
---> Package ca_APAC.noarch 0:1.43-1 set to be updated
---> Package ca_ASGCCA-2007.noarch 0:1.43-1 set to be updated
---> Package ca_AddTrust-External-CA-Root.noarch 0:1.43-1 set to be updated
---> Package ca_ArmeSFo.noarch 0:1.43-1 set to be updated
---> Package ca_AustrianGrid.noarch 0:1.43-1 set to be updated
---> Package ca_BEGrid2008.noarch 0:1.43-1 set to be updated
---> Package ca_BG-ACAD-CA.noarch 0:1.43-1 set to be updated
---> Package ca_BYGCA.noarch 0:1.43-1 set to be updated
---> Package ca_BalticGrid.noarch 0:1.43-1 set to be updated
---> Package ca_BrGrid.noarch 0:1.43-1 set to be updated
---> Package ca_CALG.noarch 0:1.43-1 set to be updated
---> Package ca_CERN-Root.noarch 0:1.43-1 set to be updated
---> Package ca_CERN-TCA.noarch 0:1.43-1 set to be updated
---> Package ca_CESNET.noarch 0:1.43-1 set to be updated
---> Package ca_CESNET-CA-3.noarch 0:1.43-1 set to be updated
---> Package ca_CESNET-CA-Root.noarch 0:1.43-1 set to be updated
---> Package ca_CNIC.noarch 0:1.43-1 set to be updated
---> Package ca_CNRS2.noarch 0:1.43-1 set to be updated
---> Package ca_CNRS2-Grid-FR.noarch 0:1.43-1 set to be updated
---> Package ca_CNRS2-Projets.noarch 0:1.43-1 set to be updated
---> Package ca_CyGrid.noarch 0:1.43-1 set to be updated
---> Package ca_DFN-GridGermany-Root.noarch 0:1.43-1 set to be updated
---> Package ca_DFN-SLCS.noarch 0:1.43-1 set to be updated
---> Package ca_DOEGrids.noarch 0:1.43-1 set to be updated
---> Package ca_DZeScience.noarch 0:1.43-1 set to be updated
---> Package ca_ESnet.noarch 0:1.43-1 set to be updated
---> Package ca_FNAL-SLCS.noarch 0:1.43-1 set to be updated
---> Package ca_GermanGrid.noarch 0:1.43-1 set to be updated
```

```

---> Package ca_Grid-Ireland.noarch 0:1.43-1 set to be updated
---> Package ca_GridCanada.noarch 0:1.43-1 set to be updated
---> Package ca_HIAST.noarch 0:1.43-1 set to be updated
---> Package ca_HKU.noarch 0:1.43-1 set to be updated
---> Package ca_HellasGrid-CA-2006.noarch 0:1.43-1 set to be updated
---> Package ca_HellasGrid-Root.noarch 0:1.43-1 set to be updated
---> Package ca_IGCA.noarch 0:1.43-1 set to be updated
---> Package ca_IHEP.noarch 0:1.43-1 set to be updated
---> Package ca_INFN-CA-2006.noarch 0:1.43-1 set to be updated
---> Package ca_IRAN-GRID.noarch 0:1.43-1 set to be updated
---> Package ca_IUCC.noarch 0:1.43-1 set to be updated
---> Package ca_JUnet-CA.noarch 0:1.43-1 set to be updated
---> Package ca_KEK.noarch 0:1.43-1 set to be updated
---> Package ca_KISTI-2007.noarch 0:1.43-1 set to be updated
---> Package ca_LACGridCA.noarch 0:1.43-1 set to be updated
---> Package ca_LIPCA.noarch 0:1.43-1 set to be updated
---> Package ca_MARGI.noarch 0:1.43-1 set to be updated
---> Package ca_MD-Grid.noarch 0:1.43-1 set to be updated
---> Package ca_MREN-CA.noarch 0:1.43-1 set to be updated
---> Package ca_MaGrid.noarch 0:1.43-1 set to be updated
---> Package ca_NAREGI.noarch 0:1.43-1 set to be updated
---> Package ca_NCHC.noarch 0:1.43-1 set to be updated
---> Package ca_NCSA-mics.noarch 0:1.43-1 set to be updated
---> Package ca_NCSA-slcs.noarch 0:1.43-1 set to be updated
---> Package ca_NECTEC.noarch 0:1.43-1 set to be updated
---> Package ca_NERSC-SLCS.noarch 0:1.43-1 set to be updated
---> Package ca_NICS-MyProxy.noarch 0:1.43-1 set to be updated
---> Package ca_NIIF.noarch 0:1.43-1 set to be updated
---> Package ca_NIKHEF.noarch 0:1.43-1 set to be updated
---> Package ca_NorduGrid.noarch 0:1.43-1 set to be updated
---> Package ca_PK-Grid-2007.noarch 0:1.43-1 set to be updated
---> Package ca_PRAGMA-UCSD.noarch 0:1.43-1 set to be updated
---> Package ca_PSC-Myproxy-CA.noarch 0:1.43-1 set to be updated
---> Package ca_PolishGrid.noarch 0:1.43-1 set to be updated
---> Package ca_QuoVadis-Root-CA1.noarch 0:1.43-1 set to be updated
---> Package ca_RDIG.noarch 0:1.43-1 set to be updated
---> Package ca_REUNA-ca.noarch 0:1.43-1 set to be updated
---> Package ca_RomanianGRID.noarch 0:1.43-1 set to be updated
---> Package ca_SDG.noarch 0:1.43-1 set to be updated
---> Package ca_SEE-GRID.noarch 0:1.43-1 set to be updated
---> Package ca_SRCE.noarch 0:1.43-1 set to be updated
---> Package ca_SWITCH-QuoVadis-Grid-ICA.noarch 0:1.43-1 set to be updated
---> Package ca_SWITCHgrid-Root.noarch 0:1.43-1 set to be updated
---> Package ca_SWITCHslcs2011.noarch 0:1.43-1 set to be updated
---> Package ca_SiGNET-CA.noarch 0:1.43-1 set to be updated
---> Package ca_SlovakGrid.noarch 0:1.43-1 set to be updated
---> Package ca_TACC-Classic.noarch 0:1.43-1 set to be updated
---> Package ca_TACC-MICS.noarch 0:1.43-1 set to be updated
---> Package ca_TACC-Root.noarch 0:1.43-1 set to be updated
---> Package ca_TERENA-eScience-SSL-CA.noarch 0:1.43-1 set to be updated
---> Package ca_TERENAeSciencePersonalCA.noarch 0:1.43-1 set to be updated
---> Package ca_TRGrid.noarch 0:1.43-1 set to be updated
---> Package ca_UGRID.noarch 0:1.43-1 set to be updated
---> Package ca_UKeScienceCA-2007.noarch 0:1.43-1 set to be updated
---> Package ca_UKeScienceCA-2A.noarch 0:1.43-1 set to be updated
---> Package ca_UKeScienceCA-2B.noarch 0:1.43-1 set to be updated
---> Package ca_UKeScienceRoot-2007.noarch 0:1.43-1 set to be updated
---> Package ca_ULAGrid-CA-2008.noarch 0:1.43-1 set to be updated
---> Package ca_UNAMgrid-ca.noarch 0:1.43-1 set to be updated
---> Package ca_UNLPGrid.noarch 0:1.43-1 set to be updated
---> Package ca_UTN-USERFirst-Hardware.noarch 0:1.43-1 set to be updated
---> Package ca_UTNAAAClient.noarch 0:1.43-1 set to be updated
---> Package ca_UniandesCA.noarch 0:1.43-1 set to be updated
---> Package ca_cilogon-silver.noarch 0:1.43-1 set to be updated
---> Package ca_ncsa-gridshib-ca.noarch 0:1.43-1 set to be updated
---> Package ca_pkIRISGrid.noarch 0:1.43-1 set to be updated
--> Finished Dependency Resolution

```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

Beginning Kernel Module Plugin

Finished Kernel Module Plugin

Dependencies Resolved

Package	Arch	Version
Installing:		
ca-policy-egi-core	noarch	1.43-1
Installing for dependencies:		
ca_AAACertificateServices	noarch	1.43-1
ca_AEGIS	noarch	1.43-1
ca_AIST	noarch	1.43-1
ca_APAC	noarch	1.43-1
ca_ASGCCA-2007	noarch	1.43-1
ca_AddTrust-External-CA-Root	noarch	1.43-1
ca_ArmeSfo	noarch	1.43-1
ca_AustrianGrid	noarch	1.43-1
ca_BEGrid2008	noarch	1.43-1
ca_BG-ACAD-CA	noarch	1.43-1
ca_BYGCA	noarch	1.43-1
ca_BalticGrid	noarch	1.43-1
ca_BrGrid	noarch	1.43-1
ca_CALG	noarch	1.43-1
ca_CERN-Root	noarch	1.43-1
ca_CERN-TCA	noarch	1.43-1
ca_CESNET	noarch	1.43-1
ca_CESNET-CA-3	noarch	1.43-1
ca_CESNET-CA-Root	noarch	1.43-1
ca_CNIC	noarch	1.43-1
ca_CNRS2	noarch	1.43-1
ca_CNRS2-Grid-FR	noarch	1.43-1
ca_CNRS2-Projets	noarch	1.43-1
ca_CyGrid	noarch	1.43-1
ca_DFN-GridGermany-Root	noarch	1.43-1
ca_DFN-SLCS	noarch	1.43-1
ca_DOEGrids	noarch	1.43-1
ca_DZeScience	noarch	1.43-1
ca_ESnet	noarch	1.43-1
ca_FNAL-SLCS	noarch	1.43-1
ca_GermanGrid	noarch	1.43-1
ca_Grid-Ireland	noarch	1.43-1
ca_GridCanada	noarch	1.43-1
ca_HIAST	noarch	1.43-1
ca_HKU	noarch	1.43-1
ca_HellasGrid-CA-2006	noarch	1.43-1
ca_HellasGrid-Root	noarch	1.43-1
ca_IGCA	noarch	1.43-1
ca_IHEP	noarch	1.43-1
ca_INFN-CA-2006	noarch	1.43-1
ca_IRAN-GRID	noarch	1.43-1
ca_IUCC	noarch	1.43-1
ca_JUnet-CA	noarch	1.43-1
ca_KEK	noarch	1.43-1
ca_KISTI-2007	noarch	1.43-1
ca_LACGridCA	noarch	1.43-1
ca_LIPCA	noarch	1.43-1
ca_MARGI	noarch	1.43-1
ca_MD-Grid	noarch	1.43-1
ca_MREN-CA	noarch	1.43-1
ca_MaGrid	noarch	1.43-1
ca_NAREGI	noarch	1.43-1
ca_NCHC	noarch	1.43-1
ca_NCSA-mics	noarch	1.43-1
ca_NCSA-slcs	noarch	1.43-1
ca_NECTEC	noarch	1.43-1

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

ca_NERSC-SLCS	noarch	1.43-1
ca_NICS-MyProxy	noarch	1.43-1
ca_NIIF	noarch	1.43-1
ca_NIKHEF	noarch	1.43-1
ca_NorduGrid	noarch	1.43-1
ca_PK-Grid-2007	noarch	1.43-1
ca_PRAGMA-UCSD	noarch	1.43-1
ca_PSC-Myproxy-CA	noarch	1.43-1
ca_PolishGrid	noarch	1.43-1
ca_QuoVadis-Root-CA1	noarch	1.43-1
ca_RDIG	noarch	1.43-1
ca_REUNA-ca	noarch	1.43-1
ca_RomanianGRID	noarch	1.43-1
ca_SDG	noarch	1.43-1
ca_SEE-GRID	noarch	1.43-1
ca_SRCE	noarch	1.43-1
ca_SWITCH-QuoVadis-Grid-ICA	noarch	1.43-1
ca_SWITCHgrid-Root	noarch	1.43-1
ca_SWITCHslcs2011	noarch	1.43-1
ca_SiGNET-CA	noarch	1.43-1
ca_SlovakGrid	noarch	1.43-1
ca_TACC-Classic	noarch	1.43-1
ca_TACC-MICS	noarch	1.43-1
ca_TACC-Root	noarch	1.43-1
ca_TERENA-eScience-SSL-CA	noarch	1.43-1
ca_TERENAeSciencePersonalCA	noarch	1.43-1
ca_TRGrid	noarch	1.43-1
ca_UGRID	noarch	1.43-1
ca_UKeScienceCA-2007	noarch	1.43-1
ca_UKeScienceCA-2A	noarch	1.43-1
ca_UKeScienceCA-2B	noarch	1.43-1
ca_UKeScienceRoot-2007	noarch	1.43-1
ca_ULAGrid-CA-2008	noarch	1.43-1
ca_UNAMgrid-ca	noarch	1.43-1
ca_UNLPGrid	noarch	1.43-1
ca_UTN-USERFirst-Hardware	noarch	1.43-1
ca_UTNAAAClient	noarch	1.43-1
ca_UniandesCA	noarch	1.43-1
ca_cilogon-silver	noarch	1.43-1
ca_ncsa-gridshib-ca	noarch	1.43-1
ca_pkIRISGrid	noarch	1.43-1

### Transaction Summary

```

=====
Install      98 Package(s)
Upgrade      0 Package(s)

```

Total download size: 524 k

Is this ok [y/N]: y

Downloading Packages:

```

(1/98): ca_CESNET-CA-3-1.43-1.noarch.rpm
(2/98): ca_UKeScienceCA-2007-1.43-1.noarch.rpm
(3/98): ca_SWITCHslcs2011-1.43-1.noarch.rpm
(4/98): ca_UKeScienceCA-2A-1.43-1.noarch.rpm
(5/98): ca_UKeScienceCA-2B-1.43-1.noarch.rpm
(6/98): ca_SRCE-1.43-1.noarch.rpm
(7/98): ca_HKU-1.43-1.noarch.rpm
(8/98): ca_LIPCA-1.43-1.noarch.rpm
(9/98): ca_CNRS2-1.43-1.noarch.rpm
(10/98): ca_ArmeSFO-1.43-1.noarch.rpm
(11/98): ca_HellasGrid-CA-2006-1.43-1.noarch.rpm
(12/98): ca_NorduGrid-1.43-1.noarch.rpm
(13/98): ca_MREN-CA-1.43-1.noarch.rpm
(14/98): ca_MARGI-1.43-1.noarch.rpm
(15/98): ca_DFN-SLCS-1.43-1.noarch.rpm
(16/98): ca_IGCA-1.43-1.noarch.rpm
(17/98): ca_UGRID-1.43-1.noarch.rpm

```

(18/98): ca\_CyGrid-1.43-1.noarch.rpm  
(19/98): ca\_NCHC-1.43-1.noarch.rpm  
(20/98): ca\_cilogon-silver-1.43-1.noarch.rpm  
(21/98): ca\_BEGrid2008-1.43-1.noarch.rpm  
(22/98): ca\_UTNAAAClient-1.43-1.noarch.rpm  
(23/98): ca\_INFNA-CA-2006-1.43-1.noarch.rpm  
(24/98): ca\_SWITCH-QuoVadis-Grid-ICA-1.43-1.noarch.rpm  
(25/98): ca\_TRGrid-1.43-1.noarch.rpm  
(26/98): ca\_CERN-TCA-1.43-1.noarch.rpm  
(27/98): ca\_BG-ACAD-CA-1.43-1.noarch.rpm  
(28/98): ca-policy-egi-core-1.43-1.noarch.rpm  
(29/98): ca\_IRAN-GRID-1.43-1.noarch.rpm  
(30/98): ca\_JUnet-CA-1.43-1.noarch.rpm  
(31/98): ca\_CERN-Root-1.43-1.noarch.rpm  
(32/98): ca\_NIIF-1.43-1.noarch.rpm  
(33/98): ca\_KISTI-2007-1.43-1.noarch.rpm  
(34/98): ca\_CESNET-CA-Root-1.43-1.noarch.rpm  
(35/98): ca\_Grid-Ireland-1.43-1.noarch.rpm  
(36/98): ca\_PolishGrid-1.43-1.noarch.rpm  
(37/98): ca\_TACC-Root-1.43-1.noarch.rpm  
(38/98): ca\_TERENAeSciencePersonalCA-1.43-1.noarch.rpm  
(39/98): ca\_BYGCA-1.43-1.noarch.rpm  
(40/98): ca\_TACC-MICS-1.43-1.noarch.rpm  
(41/98): ca\_MaGrid-1.43-1.noarch.rpm  
(42/98): ca\_NCSA-slcs-1.43-1.noarch.rpm  
(43/98): ca\_NCSA-mics-1.43-1.noarch.rpm  
(44/98): ca\_GridCanada-1.43-1.noarch.rpm  
(45/98): ca\_SlovakGrid-1.43-1.noarch.rpm  
(46/98): ca\_IHEP-1.43-1.noarch.rpm  
(47/98): ca\_CNRS2-Projets-1.43-1.noarch.rpm  
(48/98): ca\_CALG-1.43-1.noarch.rpm  
(49/98): ca\_NICS-MyProxy-1.43-1.noarch.rpm  
(50/98): ca\_ASGCCA-2007-1.43-1.noarch.rpm  
(51/98): ca\_AustrianGrid-1.43-1.noarch.rpm  
(52/98): ca\_BalticGrid-1.43-1.noarch.rpm  
(53/98): ca\_SDG-1.43-1.noarch.rpm  
(54/98): ca\_FNAL-SLCS-1.43-1.noarch.rpm  
(55/98): ca\_TACC-Classic-1.43-1.noarch.rpm  
(56/98): ca\_RomanianGRID-1.43-1.noarch.rpm  
(57/98): ca\_CNIC-1.43-1.noarch.rpm  
(58/98): ca\_SWITCHgrid-Root-1.43-1.noarch.rpm  
(59/98): ca\_REUNA-ca-1.43-1.noarch.rpm  
(60/98): ca\_UNLPGrid-1.43-1.noarch.rpm  
(61/98): ca\_AEGIS-1.43-1.noarch.rpm  
(62/98): ca\_PSC-Myproxy-CA-1.43-1.noarch.rpm  
(63/98): ca\_CNRS2-Grid-FR-1.43-1.noarch.rpm  
(64/98): ca\_UniandesCA-1.43-1.noarch.rpm  
(65/98): ca\_LACGridCA-1.43-1.noarch.rpm  
(66/98): ca\_CESNET-1.43-1.noarch.rpm  
(67/98): ca\_HellasGrid-Root-1.43-1.noarch.rpm  
(68/98): ca\_NIKHEF-1.43-1.noarch.rpm  
(69/98): ca\_SiGNET-CA-1.43-1.noarch.rpm  
(70/98): ca\_UKeScienceRoot-2007-1.43-1.noarch.rpm  
(71/98): ca\_ncsa-gridshib-ca-1.43-1.noarch.rpm  
(72/98): ca\_ULAGrid-CA-2008-1.43-1.noarch.rpm  
(73/98): ca\_IUCC-1.43-1.noarch.rpm  
(74/98): ca\_GermanGrid-1.43-1.noarch.rpm  
(75/98): ca\_SEE-GRID-1.43-1.noarch.rpm  
(76/98): ca\_KEK-1.43-1.noarch.rpm  
(77/98): ca\_BrGrid-1.43-1.noarch.rpm  
(78/98): ca\_NAREGI-1.43-1.noarch.rpm  
(79/98): ca\_NECTEC-1.43-1.noarch.rpm  
(80/98): ca\_pkIRISGrid-1.43-1.noarch.rpm  
(81/98): ca\_MD-Grid-1.43-1.noarch.rpm  
(82/98): ca\_UNAMgrid-ca-1.43-1.noarch.rpm  
(83/98): ca\_RDIG-1.43-1.noarch.rpm  
(84/98): ca\_PRAGMA-UCSD-1.43-1.noarch.rpm



## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
(85/98): ca_AIST-1.43-1.noarch.rpm
(86/98): ca_QuoVadis-Root-CA1-1.43-1.noarch.rpm
(87/98): ca_UTN-USERFirst-Hardware-1.43-1.noarch.rpm
(88/98): ca_DFN-GridGermany-Root-1.43-1.noarch.rpm
(89/98): ca_AAACertificateServices-1.43-1.noarch.rpm
(90/98): ca_PK-Grid-2007-1.43-1.noarch.rpm
(91/98): ca_TERENA-eScience-SSL-CA-1.43-1.noarch.rpm
(92/98): ca_NERSC-SLCS-1.43-1.noarch.rpm
(93/98): ca_AddTrust-External-CA-Root-1.43-1.noarch.rpm
(94/98): ca_APAC-1.43-1.noarch.rpm
(95/98): ca_ESnet-1.43-1.noarch.rpm
(96/98): ca_DOEGrids-1.43-1.noarch.rpm
(97/98): ca_HIAST-1.43-1.noarch.rpm
(98/98): ca_DZeScience-1.43-1.noarch.rpm
```

-----  
Total

warning: rpmts\_HdrFromFdno: Header V3 DSA signature: NOKEY, key ID 3cdbbc71

EGI-trustanchors/gpgkey

Importing GPG key 0x3CDBBC71 "EUGridPMA Distribution Signing Key 3 <info@eugridpma.org>" from htt

Is this ok [y/N]: y

Running rpm\_check\_debug

Running Transaction Test

Finished Transaction Test

Transaction Test Succeeded

Running Transaction

```
Installing      : ca_UKeScienceRoot-2007
Installing      : ca_TACC-Root
Installing      : ca_AAACertificateServices
Installing      : ca_UTNAAAClient
Installing      : ca_CNRS2
Installing      : ca_CNRS2-Projets
Installing      : ca_CERN-Root
Installing      : ca_QuoVadis-Root-CA1
Installing      : ca_CESNET-CA-Root
Installing      : ca_AddTrust-External-CA-Root
Installing      : ca_UTN-USERFirst-Hardware
Installing      : ca_SWITCHgrid-Root
Installing      : ca_HellasGrid-Root
Installing      : ca_ESnet
Installing      : ca_DOEGrids
Installing      : ca_HellasGrid-CA-2006
Installing      : ca_SWITCHslcs2011
Installing      : ca_TERENA-eScience-SSL-CA
Installing      : ca_CESNET-CA-3
Installing      : ca_SWITCH-QuoVadis-Grid-ICA
Installing      : ca_CERN-TCA
Installing      : ca_CNRS2-Grid-FR
Installing      : ca_TERENAEsciencePersonalCA
Installing      : ca_TACC-MICS
Installing      : ca_TACC-Classic
Installing      : ca_UKeScienceCA-2007
Installing      : ca_UKeScienceCA-2B
Installing      : ca_UKeScienceCA-2A
Installing      : ca_ncsa-gridshib-ca
Installing      : ca_UniandesCA
Installing      : ca_NICS-MyProxy
Installing      : ca_NCHC
Installing      : ca_ArmeSFo
Installing      : ca_BYGCA
Installing      : ca_Grid-Ireland
Installing      : ca_AustrianGrid
Installing      : ca_FNAL-SLCS
Installing      : ca_APAC
Installing      : ca_BrGrid
Installing      : ca_PolishGrid
Installing      : ca_NIKHEF
Installing      : ca_RomanianGRID
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
Installing      : ca_LIPCA
Installing      : ca_UNAMgrid-ca
Installing      : ca_RDIG
Installing      : ca_cilogon-silver
Installing      : ca_MaGrid
Installing      : ca_CyGrid
Installing      : ca_UNLPGrid
Installing      : ca_BG-ACAD-CA
Installing      : ca_SEE-GRID
Installing      : ca_IHEP
Installing      : ca_NERSC-SLCS
Installing      : ca_SDG
Installing      : ca_SRCE
Installing      : ca_NCSA-mics
Installing      : ca_PRAGMA-UCSD
Installing      : ca_NCSA-slcs
Installing      : ca_DZeScience
Installing      : ca_PK-Grid-2007
Installing      : ca_HKU
Installing      : ca_DFN-GridGermany-Root
Installing      : ca_BEGrid2008
Installing      : ca_AEGIS
Installing      : ca_JUnet-CA
Installing      : ca_INFN-CA-2006
Installing      : ca_CNIC
Installing      : ca_KISTI-2007
Installing      : ca_AIST
Installing      : ca_GermanGrid
Installing      : ca_DFN-SLCS
Installing      : ca_NIIF
Installing      : ca_HIAST
Installing      : ca_PSC-Myproxy-CA
Installing      : ca_REUNA-ca
Installing      : ca_KEK
Installing      : ca_SiGNET-CA
Installing      : ca_NECTEC
Installing      : ca_TRGrid
Installing      : ca_CALG
Installing      : ca_IRAN-GRID
Installing      : ca_SlovakGrid
Installing      : ca_UGRID
Installing      : ca_MARGI
Installing      : ca_GridCanada
Installing      : ca_NorduGrid
Installing      : ca_LACGridCA
Installing      : ca_CESNET
Installing      : ca_pkIRISGrid
Installing      : ca_ASGCCA-2007
Installing      : ca_MREN-CA
Installing      : ca_MD-Grid
Installing      : ca_NAREGI
Installing      : ca_IUCC
Installing      : ca_ULAGrid-CA-2008
Installing      : ca_IGCA
Installing      : ca_BalticGrid
Installing      : ca-policy-egi-core
```

Installed:

```
ca-policy-egi-core.noarch 0:1.43-1
```

Dependency Installed:

```
ca_AAACertificateServices.noarch 0:1.43-1
ca_APAC.noarch 0:1.43-1
ca_ArmeSFo.noarch 0:1.43-1
ca_BG-ACAD-CA.noarch 0:1.43-1
ca_BrGrid.noarch 0:1.43-1
ca_CERN-TCA.noarch 0:1.43-1
```

```
ca_AEGIS.noarch 0:1.43-1
ca_ASGCCA-2007.noarch 0:1.43-1
ca_AustrianGrid.noarch 0:1.43-1
ca_BYGCA.noarch 0:1.43-1
ca_CALG.noarch 0:1.43-1
ca_CESNET.noarch 0:1.43-1
```

```

ca_CESNET-CA-Root.noarch 0:1.43-1
ca_CNRS2-Grid-FR.noarch 0:1.43-1
ca_DFN-GridGermany-Root.noarch 0:1.43-1
ca_DZeScience.noarch 0:1.43-1
ca_GermanGrid.noarch 0:1.43-1
ca_HIAST.noarch 0:1.43-1
ca_HellasGrid-Root.noarch 0:1.43-1
ca_INFNO-CA-2006.noarch 0:1.43-1
ca_JUNet-CA.noarch 0:1.43-1
ca_LACGridCA.noarch 0:1.43-1
ca_MD-Grid.noarch 0:1.43-1
ca_NAREGI.noarch 0:1.43-1
ca_NCSA-slcs.noarch 0:1.43-1
ca_NICS-MyProxy.noarch 0:1.43-1
ca_NorduGrid.noarch 0:1.43-1
ca_PSC-Myproxy-CA.noarch 0:1.43-1
ca_RDIG.noarch 0:1.43-1
ca_SDG.noarch 0:1.43-1
ca_SWITCH-QuoVadis-Grid-ICA.noarch 0:1.43-1
ca_SiGNET-CA.noarch 0:1.43-1
ca_TACC-MICS.noarch 0:1.43-1
ca_TERENAeSciencePersonalCA.noarch 0:1.43-1
ca_UKeScienceCA-2007.noarch 0:1.43-1
ca_UKeScienceRoot-2007.noarch 0:1.43-1
ca_UNLPGGrid.noarch 0:1.43-1
ca_UniandesCA.noarch 0:1.43-1
ca_pkIRISGrid.noarch 0:1.43-1
ca_CNIC.noarch 0:1.43-1
ca_CNRS2-Projets.noarch 0:1.43-1
ca_DFN-SLCS.noarch 0:1.43-1
ca_ESnet.noarch 0:1.43-1
ca_Grid-Ireland.noarch 0:1.43-1
ca_HKU.noarch 0:1.43-1
ca_IGCA.noarch 0:1.43-1
ca_IRAN-GRID.noarch 0:1.43-1
ca_KEK.noarch 0:1.43-1
ca_LIPCA.noarch 0:1.43-1
ca_MREN-CA.noarch 0:1.43-1
ca_NCHC.noarch 0:1.43-1
ca_NECTEC.noarch 0:1.43-1
ca_NIIF.noarch 0:1.43-1
ca_PK-Grid-2007.noarch 0:1.43-1
ca_PolishGrid.noarch 0:1.43-1
ca_REUNA-ca.noarch 0:1.43-1
ca_SEE-GRID.noarch 0:1.43-1
ca_SWITCHgrid-Root.noarch 0:1.43-1
ca_SlovakGrid.noarch 0:1.43-1
ca_TACC-Root.noarch 0:1.43-1
ca_TRGrid.noarch 0:1.43-1
ca_UKeScienceCA-2A.noarch 0:1.43-1
ca_ULAGrid-CA-2008.noarch 0:1.43-1
ca_UTN-USERFirst-Hardware.noarch 0:1.43-1
ca_cilogon-silver.noarch 0:1.43-1

```

Complete!

## WMS Installation WMS Installation

Install the WMS packages:

```

[root@prod-wms-02 yum.repos.d]# yum install emi-wms condor-emi
Loaded plugins: kernel-module, protectbase
EGI-trustanchors
EGI-trustanchors/primary
EGI-trustanchors
EMI-1-base
EMI-1-base/primary_db
EMI-1-third-party
EMI-1-third-party/primary_db
EMI-1-updates
EMI-1-updates/primary_db
epel
epel/primary_db
sl-base
sl-base/primary_db
sl-security
sl-security/primary_db
57 packages excluded due to repository protections
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package emi-wms.x86_64 0:1.0.2-0.sl5 set to be updated
--> Processing Dependency: globus-proxy-utils for package: emi-wms
--> Processing Dependency: glite-info-provider-service for package: emi-wms
--> Processing Dependency: lcmaps-plugins-voms for package: emi-wms
--> Processing Dependency: emi-version for package: emi-wms
--> Processing Dependency: glite-wms-jobsubmission for package: emi-wms
--> Processing Dependency: lcas-plugins-voms for package: emi-wms
--> Processing Dependency: globus-gridftp-server-progs for package: emi-wms
--> Processing Dependency: glue-schema for package: emi-wms
--> Processing Dependency: glite-yaim-wms for package: emi-wms
--> Processing Dependency: glite-wms-wmproxy for package: emi-wms
--> Processing Dependency: glite-wms-manager for package: emi-wms

```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
--> Processing Dependency: fetch-crl for package: emi-wms
--> Processing Dependency: glite-wms-ice for package: emi-wms
--> Processing Dependency: jemalloc for package: emi-wms
--> Processing Dependency: bdii for package: emi-wms
--> Processing Dependency: mysql-server for package: emi-wms
--> Processing Dependency: condor-lcg for package: emi-wms
--> Processing Dependency: lcas-plugins-basic for package: emi-wms
--> Processing Dependency: emi-lb for package: emi-wms
--> Processing Dependency: lcg-expiregridmapdir for package: emi-wms
--> Processing Dependency: lcas-lcmapi-gt4-interface for package: emi-wms
--> Processing Dependency: glite-initscript-globus-gridftp for package: emi-wms
--> Running transaction check
---> Package bdii.noarch 0:5.2.5-2.el5 set to be updated
--> Processing Dependency: openldap-servers for package: bdii
--> Processing Dependency: expect for package: bdii
--> Processing Dependency: openldap-clients for package: bdii
---> Package condor-lcg.i386 0:1.2.0-1 set to be updated
---> Package emi-lb.x86_64 0:1.0.0-1.sl5 set to be updated
--> Processing Dependency: glite-lb-server for package: emi-lb
--> Processing Dependency: glite-lb-doc for package: emi-lb
--> Processing Dependency: glite-lb-logger-msg for package: emi-lb
--> Processing Dependency: glite-lb-harvester for package: emi-lb
--> Processing Dependency: glite-lb-logger for package: emi-lb
--> Processing Dependency: glite-lb-yaim for package: emi-lb
--> Processing Dependency: glite-lb-ws-test for package: emi-lb
--> Processing Dependency: glite-lb-utils for package: emi-lb
--> Processing Dependency: glite-lb-client-java for package: emi-lb
---> Package emi-version.x86_64 0:1.8.0-1.sl5 set to be updated
---> Package fetch-crl.noarch 0:2.8.5-1.el5 set to be updated
---> Package glite-info-provider-service.noarch 0:1.7.0-1.el5 set to be updated
---> Package glite-initscript-globus-gridftp.noarch 0:1.0.4-1.sl5 set to be updated
---> Package glite-wms-ice.x86_64 0:3.3.4-1.sl5 set to be updated
--> Processing Dependency: glite-px-proxyrenewal for package: glite-wms-ice
--> Processing Dependency: log4cpp for package: glite-wms-ice
--> Processing Dependency: glite-wms-configuration for package: glite-wms-ice
--> Processing Dependency: glite-wms-purger for package: glite-wms-ice
--> Processing Dependency: glite-ce-monitor-client-api-c for package: glite-wms-ice
--> Processing Dependency: glite-ce-cream-client-api-c for package: glite-wms-ice
--> Processing Dependency: gridsite-shared for package: glite-wms-ice
--> Processing Dependency: classads for package: glite-wms-ice
--> Processing Dependency: boost for package: glite-wms-ice
--> Processing Dependency: glite-wms-common for package: glite-wms-ice
--> Processing Dependency: libglobus_ftp_control.so.1()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_ftp_client.so.2()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_ce_cream_client_soap.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libmyproxy.so.5()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_security_proxyrenewal.so.1()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_proxy_ssl.so.1()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_security_gss.so.9()(64bit) for package: glite-wms-ice
--> Processing Dependency: liblog4cpp.so.4()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gsi_callback.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libgridsite_globus.so.1.7()(64bit) for package: glite-wms-ice
--> Processing Dependency: libboost_filesystem.so.2()(64bit) for package: glite-wms-ice
--> Processing Dependency: libcares.so.2()(64bit) for package: glite-wms-ice
--> Processing Dependency: libboost_thread.so.2()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gssapi_error.so.2()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_usage.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gsi_cert_utils.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_lb_client.so.11()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_wms_conf.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libclassad_ns.so.1()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_xio.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_lb_clientpp.so.11()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_oldgaa.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_wmsutils_classads.so.0()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gssapi_gsi.so.4()(64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_security_gsoap_plugin_276b.so.9()(64bit) for package: glite-wms-ice
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
--> Processing Dependency: libglobus_callout.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gsi_credential.so.1() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_wms_purger.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gsi_sysconfig.so.1() (64bit) for package: glite-wms-ice
--> Processing Dependency: libboost_regex.so.2() (64bit) for package: glite-wms-ice
--> Processing Dependency: libltdl.so.3() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_openssl.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_wmsutils_exception.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_wms_logger.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_io.so.3() (64bit) for package: glite-wms-ice
--> Processing Dependency: libclassad.so.1() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_lb_common.so.13() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_jobid.so.2() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_lbu_trio.so.2() (64bit) for package: glite-wms-ice
--> Processing Dependency: libboost_program_options.so.2() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_wms_util.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libboost_serialization.so.2() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gsi_proxy_core.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_openssl_error.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_security_proxyrenewal_core.so.1() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglite_ce_cream_client_util.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_common.so.0() (64bit) for package: glite-wms-ice
--> Processing Dependency: libboost_date_time.so.2() (64bit) for package: glite-wms-ice
--> Processing Dependency: libvomsapi.so.1() (64bit) for package: glite-wms-ice
--> Processing Dependency: libglobus_gss_assist.so.3() (64bit) for package: glite-wms-ice
---> Package glite-wms-jobsubmission.x86_64 0:3.3.2-1.sl5 set to be updated
--> Processing Dependency: condor for package: glite-wms-jobsubmission
--> Processing Dependency: glite-jdl-api-cpp for package: glite-wms-jobsubmission
--> Processing Dependency: libglite_jdl_api_cpp.so.0() (64bit) for package: glite-wms-jobsubmission
--> Processing Dependency: libcondorapi.so() (64bit) for package: glite-wms-jobsubmission
---> Package glite-wms-manager.x86_64 0:3.3.1-3.sl5 set to be updated
--> Processing Dependency: glite-wms-helper for package: glite-wms-manager
--> Processing Dependency: glite-wms-ism for package: glite-wms-manager
--> Processing Dependency: libglite_wms_ism.so.0() (64bit) for package: glite-wms-manager
--> Processing Dependency: libglite_wms_classad_plugin.so.0() (64bit) for package: glite-wms-manager
--> Processing Dependency: libglite_wms_helper.so.0() (64bit) for package: glite-wms-manager
--> Processing Dependency: libglite_wms_classad_plugin_loader.so.0() (64bit) for package: glite-wms-manager
--> Processing Dependency: libglite_sd_c.so.2() (64bit) for package: glite-wms-manager
--> Processing Dependency: libglite_wms_helper_jobadapter.so.0() (64bit) for package: glite-wms-manager
---> Package glite-wms-wmproxy.x86_64 0:3.3.4-2.sl5 set to be updated
--> Processing Dependency: lcmaps-without-gsi for package: glite-wms-wmproxy
--> Processing Dependency: fcgi for package: glite-wms-wmproxy
--> Processing Dependency: lcmaps-plugins-basic for package: glite-wms-wmproxy
--> Processing Dependency: libtar for package: glite-wms-wmproxy
--> Processing Dependency: glite-jobid-api-cpp for package: glite-wms-wmproxy
--> Processing Dependency: gridsite-apache for package: glite-wms-wmproxy
--> Processing Dependency: httpd for package: glite-wms-wmproxy
--> Processing Dependency: mod_fcgid for package: glite-wms-wmproxy
--> Processing Dependency: mod_ssl for package: glite-wms-wmproxy
--> Processing Dependency: libfcgi.so.0() (64bit) for package: glite-wms-wmproxy
--> Processing Dependency: libfcgi++.so.0() (64bit) for package: glite-wms-wmproxy
--> Processing Dependency: libtar.so.1() (64bit) for package: glite-wms-wmproxy
--> Processing Dependency: liblcmaps_return_poolindex_without_gsi.so.0() (64bit) for package: glite-wms-wmproxy
--> Processing Dependency: liblcmaps_without_gsi.so.0() (64bit) for package: glite-wms-wmproxy
---> Package glite-yaim-wms.noarch 0:4.1.4-3.sl5 set to be updated
--> Processing Dependency: glite-yaim-core for package: glite-yaim-wms
---> Package globus-gridftp-server-progs.x86_64 0:3.33-2.el5 set to be updated
--> Processing Dependency: globus-gridftp-server = 3.33-2.el5 for package: globus-gridftp-server-progs
--> Processing Dependency: globus-xio-gsi-driver for package: globus-gridftp-server-progs
--> Processing Dependency: libglobus_authz.so.0() (64bit) for package: globus-gridftp-server-progs
--> Processing Dependency: libglobus_gridftp_server.so.0() (64bit) for package: globus-gridftp-server-progs
--> Processing Dependency: libglobus_gfork.so.0() (64bit) for package: globus-gridftp-server-progs
--> Processing Dependency: libglobus_gridftp_server_control.so.0() (64bit) for package: globus-gridftp-server-progs
--> Processing Dependency: libglobus_gsi_authz_callout_error.so.0() (64bit) for package: globus-gridftp-server-progs
---> Package globus-proxy-utils.x86_64 0:3.10-1.el5 set to be updated
--> Processing Dependency: globus-openssl >= 1 for package: globus-proxy-utils
---> Package glue-schema.noarch 0:2.0.8-1.el5 set to be updated
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
---> Package jemalloc.x86_64 0:2.1.3-2.el5 set to be updated
---> Package lcas-lcmaps-gt4-interface.x86_64 0:0.1.4-1.s15 set to be updated
--> Processing Dependency: lcas for package: lcas-lcmaps-gt4-interface
--> Processing Dependency: lcmaps for package: lcas-lcmaps-gt4-interface
--> Processing Dependency: libglobus_gridmap_callout_error.so.0() (64bit) for package: lcas-lcmaps-gt4-interface
---> Package lcas-plugins-basic.x86_64 0:1.3.4-1.s15 set to be updated
---> Package lcas-plugins-voms.x86_64 0:1.3.7-1.s15 set to be updated
---> Package lcg-expiregridmapdir.noarch 0:3.0.1-1 set to be updated
---> Package lcmaps-plugins-voms.x86_64 0:1.4.3-1.s15 set to be updated
---> Package mysql-server.x86_64 0:5.0.77-4.el5_5.4 set to be updated
--> Processing Dependency: mysql = 5.0.77-4.el5_5.4 for package: mysql-server
--> Processing Dependency: perl-DBD-MySQL 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
--> Running transaction check
---> Package boost.x86_64 0:1.33.1-10.el5 set to be updated
--> Processing Dependency: libicuuc.so.36() (64bit) for package: boost
--> Processing Dependency: libicui18n.so.36() (64bit) for package: boost
---> 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 condor.x86_64 0:7.4.2-1 set to be updated
---> Package expect.x86_64 0:5.43.0-5.1 set to be updated
---> Package fcgi.x86_64 0:2.4.0-12.el5 set to be updated
---> 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
---> 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-client-java.x86_64 0:1.1.6-1.s15 set to be updated
--> Processing Dependency: jakarta-commons-lang for package: glite-lb-client-java
--> Processing Dependency: emi-trustmanager for package: glite-lb-client-java
--> Processing Dependency: emi-trustmanager-axis for package: glite-lb-client-java
--> Processing Dependency: glite-jobid-api-java for package: glite-lb-client-java
---> Package glite-lb-common.x86_64 0:8.0.6-1.s15 set to be updated
---> Package glite-lb-doc.noarch 0:1.2.9-1.s15 set to be updated
---> Package glite-lb-harvester.x86_64 0:1.1.6-3.s15 set to be updated
--> Processing Dependency: glite-lbjp-common-log for package: glite-lb-harvester
--> Processing Dependency: glite-lbjp-common-db for package: glite-lb-harvester
--> Processing Dependency: libglite_lbu_log.so.1() (64bit) for package: glite-lb-harvester
--> Processing Dependency: libglite_lbu_db.so.3() (64bit) for package: glite-lb-harvester
---> Package glite-lb-logger.x86_64 0:2.2.6-1.s15 set to be updated
---> Package glite-lb-logger-msg.x86_64 0:1.0.6-1.s15 set to be updated
--> Processing Dependency: perl(Net::LDAP) for package: glite-lb-logger-msg
--> Processing Dependency: activemq-cpp-library for package: glite-lb-logger-msg
--> Processing Dependency: libactivemq-cpp.so.12() (64bit) for package: glite-lb-logger-msg
---> Package glite-lb-server.x86_64 0:2.2.9-1.s15 set to be updated
--> Processing Dependency: glite-lbjp-common-server-bones for package: glite-lb-server
--> Processing Dependency: glite-lbjp-common-maildir for package: glite-lb-server
--> Processing Dependency: glite-lb-state-machine for package: glite-lb-server
--> Processing Dependency: glite-lb-ws-interface for package: glite-lb-server
--> Processing Dependency: libglite_lbu_server_bones.so.2() (64bit) for package: glite-lb-server
--> Processing Dependency: libglite_lbu_maildir.so.2() (64bit) for package: glite-lb-server
--> Processing Dependency: libgsoap.so.0() (64bit) for package: glite-lb-server
---> Package glite-lb-utils.x86_64 0:2.1.4-1.s15 set to be updated
--> Processing Dependency: glite-lbjp-common-jp-interface for package: glite-lb-utils
--> Processing Dependency: libglite_jp_common.so.2() (64bit) for package: glite-lb-utils
---> Package glite-lb-ws-test.x86_64 0:1.2.3-1.s15 set to be updated
---> Package glite-lb-yaim.noarch 0:4.3.9-1.s15 set to be updated
--> Processing Dependency: glite-yaim-bdii for package: glite-lb-yaim
---> 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
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---> Package glite-px-proxyrenewal.x86_64 0:1.3.21-1.sl5 set to be updated
---> Package glite-service-discovery-api-c.x86_64 0:2.2.3-1.sl5 set to be updated
---> Package glite-wms-classad_plugin.x86_64 0:3.3.1-3.sl5 set to be updated
---> Package glite-wms-common.x86_64 0:3.3.2-0.sl5 set to be updated
---> Package glite-wms-configuration.x86_64 0:3.3.2-1.sl5 set to be updated
---> Package glite-wms-helper.x86_64 0:3.3.2-0.sl5 set to be updated
--> Processing Dependency: glite-wms-broker for package: glite-wms-helper
--> Processing Dependency: glite-wms-matchmaking for package: glite-wms-helper
--> Processing Dependency: glite-wms-brokerinfo for package: glite-wms-helper
--> Processing Dependency: libglite_wms_broker.so.0() (64bit) for package: glite-wms-helper
--> Processing Dependency: libglite_wms_matchmaking.so.0() (64bit) for package: glite-wms-helper
--> Processing Dependency: libglite_wms_brokerinfo.so.0() (64bit) for package: glite-wms-helper
--> Processing Dependency: libglite_wms_dli.so.0() (64bit) for package: glite-wms-helper
---> Package glite-wms-ism.x86_64 0:3.3.2-1.sl5 set to be updated
---> Package glite-wms-purger.x86_64 0:3.3.2-1.sl5 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 glite-yaim-core.noarch 0:5.0.2-1.sl5 set to be updated
---> Package globus-authz.x86_64 0:0.7-4.el5 set to be updated
---> Package globus-authz-callout-error.x86_64 0:0.5-3.el5 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-gfork.x86_64 0:0.2-6.el5 set to be updated
---> Package globus-gridftp-server.x86_64 0:3.33-2.el5 set to be updated
---> Package globus-gridftp-server-control.x86_64 0:0.46-1.el5 set to be updated
--> Processing Dependency: globus-xio-pipe-driver for package: globus-gridftp-server-control
---> Package globus-gridmap-callout-error.x86_64 0:0.3-2.el5 set to be updated
---> Package globus-gsi-callback.x86_64 0:2.8-2.el5 set to be updated
---> 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
---> Package globus-openssl.x86_64 0:5.1-2.el5 set to be updated
---> Package globus-openssl-module.x86_64 0:1.3-3.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 globus-xio-gsi-driver.x86_64 0:0.6-7.el5 set to be updated
---> Package gridsite-apache.x86_64 0:1.7.15-2.sl5 set to be updated
---> Package gridsite-shared.x86_64 0:1.7.15-2.sl5 set to be updated
---> Package httpd.x86_64 0:2.2.3-53.sl5.3 set to be updated
EGI-trustanchors/filelists
EMI-1-base/filelists_db
EMI-1-third-party/filelists_db
EMI-1-updates/filelists_db
epel/filelists_db
sl-base/filelists_db
sl-security/filelists_db
---> Package lcas.x86_64 0:1.3.13-1.sl5 set to be updated
---> Package lcmaps.x86_64 0:1.4.29-1.sl5 set to be updated
---> Package lcmaps-plugins-basic.x86_64 0:1.4.5-1.sl5 set to be updated
---> Package lcmaps-without-gsi.x86_64 0:1.4.29-1.sl5 set to be updated
---> 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 log4cpp.x86_64 0:1.0-9.el5 set to be updated
---> Package mod_fcgid.x86_64 0:2.2-11.el5 set to be updated
---> Package mod_ssl.x86_64 1:2.2.3-53.sl5.3 set to be updated
--> Processing Dependency: libdistcache.so.1() (64bit) for package: mod_ssl

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--> Processing Dependency: libnal.so.1()(64bit) for package: mod_ssl
--> Package myproxy-libs.x86_64 0:5.5-1.e15 set to be updated
--> Package mysql.x86_64 0:5.0.77-4.e15_5.4 set to be updated
--> Package openldap-clients.x86_64 0:2.3.43-12.e15_6.7 set to be updated
--> Package openldap-servers.x86_64 0:2.3.43-12.e15_6.7 set to be updated
--> Package perl-DBD-MySQL.x86_64 0:3.0007-2.e15 set to be updated
--> Package perl-DBI.x86_64 0:1.52-2.e15 set to be updated
--> Package voms.x86_64 0:2.0.2-1.s15 set to be updated
--> Running transaction check
--> Package activemq-cpp-library.x86_64 0:3.2.5-1.s15 set to be updated
--> Package distcache.x86_64 0:1.4.5-14.1 set to be updated
--> Package emi-trustmanager.noarch 0:3.0.5-1.s15 set to be updated
--> Package emi-trustmanager-axis.noarch 0:1.0.1-1.s15 set to be updated
--> Processing Dependency: axis for package: emi-trustmanager-axis
--> Package glite-jobid-api-java.noarch 0:1.1.3-6.s15 set to be updated
--> Processing Dependency: jakarta-commons-codec for package: glite-jobid-api-java
--> Package glite-lb-state-machine.x86_64 0:1.2.2-5.s15 set to be updated
--> Package glite-lb-ws-interface.noarch 0:3.2.4-1.s15 set to be updated
--> Package glite-lbjp-common-db.x86_64 0:3.0.3-2.s15 set to be updated
--> Package glite-lbjp-common-jp-interface.x86_64 0:2.1.2-7.s15 set to be updated
--> Package glite-lbjp-common-log.x86_64 0:1.1.2-6.s15 set to be updated
--> Processing Dependency: log4c for package: glite-lbjp-common-log
--> Processing Dependency: liblog4c.so.3()(64bit) for package: glite-lbjp-common-log
--> Package glite-lbjp-common-maildir.x86_64 0:2.1.2-7.s15 set to be updated
--> Package glite-lbjp-common-server-bones.x86_64 0:2.1.3-1.s15 set to be updated
--> Package glite-wms-broker.x86_64 0:3.3.1-3.s15 set to be updated
--> Package glite-wms-brokerinfo.x86_64 0:3.3.2-1.s15 set to be updated
--> Package glite-wms-matchmaking.x86_64 0:3.3.2-1.s15 set to be updated
--> Package glite-yaim-bdii.noarch 0:4.3.4-1.e15 set to be updated
--> Package globus-libtool.x86_64 0:1.2-4.e15 set to be updated
--> Package globus-xio-pipe-driver.x86_64 0:0.1-3.e15 set to be updated
--> Package globus-xio-popen-driver.x86_64 0:0.9-3.e15 set to be updated
--> Package gsoap.x86_64 0:2.7.13-4.e15 set to be updated
--> Package jakarta-commons-lang.x86_64 0:2.1-5jpp.1 set to be updated
--> Processing Dependency: java-gcj-compat for package: jakarta-commons-lang
--> Processing Dependency: libgcj_bc.so.1()(64bit) for package: jakarta-commons-lang
--> Package libicu.x86_64 0:3.6-5.16.1 set to be updated
--> Package perl-LDAP.noarch 1:0.33-3.fc6 set to be updated
--> Processing Dependency: perl(Convert::ASN1) for package: perl-LDAP
--> Processing Dependency: perl(XML::SAX::Base) for package: perl-LDAP
--> Processing Dependency: perl(IO::Socket::SSL) for package: perl-LDAP
--> Running transaction check
--> Package axis.x86_64 0:1.2.1-2jpp.6 set to be updated
--> Processing Dependency: jpackage-utils >= 1.5 for package: axis
--> Processing Dependency: jakarta-commons-discovery for package: axis
--> Processing Dependency: log4j 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 jakarta-commons-codec.x86_64 0:1.3-7jpp.2 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: gjdoc for package: java-1.4.2-gcj-compat
--> Package libgcj.x86_64 0:4.1.2-50.e15 set to be updated
--> Package log4c.x86_64 0:1.2.1-7.e15 set to be updated
--> Package perl-Convert-ASN1.noarch 0:0.20-1.1 set to be updated
--> Package perl-IO-Socket-SSL.noarch 0:1.01-1.fc6 set to be updated
--> Processing Dependency: perl(Net::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
--> Running transaction check
--> 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.e15 set to be updated
--> Processing Dependency: antlr for package: gjdoc
--> Package jakarta-commons-discovery.x86_64 1:0.3-4jpp.1 set to be updated

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## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

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---> 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 jpackage-utils.noarch 0:1.7.3-1jpp.2.e15 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 perl-Net-SSLeay.x86_64 0:1.1.30-4.fc6 set to be updated
---> Package perl-XML-NamespacesSupport.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
--> Running transaction check
---> Package antlr.x86_64 0:2.7.6-4jpp.2 set to be updated
---> Package jdk.x86_64 2000:1.6.0_29-fcs set to be updated
--> Finished Dependency Resolution
Beginning Kernel Module Plugin
Finished Kernel Module Plugin

```

Dependencies Resolved

Package	Arch	Version
Installing:		
emi-wms	x86_64	1.0.2-0.s15
Installing for dependencies:		
activemq-cpp-library	x86_64	3.2.5-1.s15
antlr	x86_64	2.7.6-4jpp.2
axis	x86_64	1.2.1-2jpp.6
bdi	noarch	5.2.5-2.e15
boost	x86_64	1.33.1-10.e15
c-ares	x86_64	1.6.0-5.e15
classads	x86_64	1.0.8-1.e15
classpathx-jaf	x86_64	1.0-9jpp.1
classpathx-mail	x86_64	1.1.1-4jpp.2
condor	x86_64	7.4.2-1
condor-lcg	i386	1.2.0-1
distcache	x86_64	1.4.5-14.1
emi-lb	x86_64	1.0.0-1.s15
emi-trustmanager	noarch	3.0.5-1.s15
emi-trustmanager-axis	noarch	1.0.1-1.s15
emi-version	x86_64	1.8.0-1.s15
expect	x86_64	5.43.0-5.1
fcgi	x86_64	2.4.0-12.e15
fetch-curl	noarch	2.8.5-1.e15
gjd	x86_64	0.7.7-12.e15
glite-ce-cream-client-api-c	x86_64	1.13.2-3.s15
glite-ce-monitor-client-api-c	x86_64	1.13.2-2.s15
glite-info-provider-service	noarch	1.7.0-1.e15
glite-initscript-globus-gridftp	noarch	1.0.4-1.s15
glite-jdl-api-cpp	x86_64	3.2.6-1.s15
glite-jobid-api-c	x86_64	2.0.3-1.s15
glite-jobid-api-cpp	x86_64	1.1.3-1.s15
glite-jobid-api-java	noarch	1.1.3-6.s15
glite-lb-client	x86_64	5.0.8-1.s15
glite-lb-client-java	x86_64	1.1.6-1.s15
glite-lb-common	x86_64	8.0.6-1.s15
glite-lb-doc	noarch	1.2.9-1.s15
glite-lb-harvester	x86_64	1.1.6-3.s15
glite-lb-logger	x86_64	2.2.6-1.s15
glite-lb-logger-msg	x86_64	1.0.6-1.s15
glite-lb-server	x86_64	2.2.9-1.s15
glite-lb-state-machine	x86_64	1.2.2-5.s15
glite-lb-utils	x86_64	2.1.4-1.s15
glite-lb-ws-interface	noarch	3.2.4-1.s15
glite-lb-ws-test	x86_64	1.2.3-1.s15
glite-lb-yaim	noarch	4.3.9-1.s15
glite-lbjp-common-db	x86_64	3.0.3-2.s15
glite-lbjp-common-gsoap-plugin	x86_64	3.0.2-7.s15
glite-lbjp-common-gss	x86_64	3.0.4-1.s15

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

glite-lbjp-common-jp-interface	x86_64	2.1.2-7.s15
glite-lbjp-common-log	x86_64	1.1.2-6.s15
glite-lbjp-common-maildir	x86_64	2.1.2-7.s15
glite-lbjp-common-server-bones	x86_64	2.1.3-1.s15
glite-lbjp-common-trio	x86_64	2.1.2-7.s15
glite-px-proxyrenewal	x86_64	1.3.21-1.s15
glite-service-discovery-api-c	x86_64	2.2.3-1.s15
glite-wms-broker	x86_64	3.3.1-3.s15
glite-wms-brokerinfo	x86_64	3.3.2-1.s15
glite-wms-classad_plugin	x86_64	3.3.1-3.s15
glite-wms-common	x86_64	3.3.2-0.s15
glite-wms-configuration	x86_64	3.3.2-1.s15
glite-wms-helper	x86_64	3.3.2-0.s15
glite-wms-ice	x86_64	3.3.4-1.s15
glite-wms-ism	x86_64	3.3.2-1.s15
glite-wms-jobsubmission	x86_64	3.3.2-1.s15
glite-wms-manager	x86_64	3.3.1-3.s15
glite-wms-matchmaking	x86_64	3.3.2-1.s15
glite-wms-purger	x86_64	3.3.2-1.s15
glite-wms-utils-classad	x86_64	3.2.2-2.s15
glite-wms-utils-exception	x86_64	3.2.2-2.s15
glite-wms-wmproxy	x86_64	3.3.4-2.s15
glite-yaim-bdii	noarch	4.3.4-1.e15
glite-yaim-core	noarch	5.0.2-1.s15
glite-yaim-wms	noarch	4.1.4-3.s15
globus-authz	x86_64	0.7-4.e15
globus-authz-callout-error	x86_64	0.5-3.e15
globus-callout	x86_64	0.7-8.e15
globus-common	x86_64	11.6-5.e15
globus-ftp-client	x86_64	6.0-2.e15
globus-ftp-control	x86_64	2.12-2.e15
globus-gfork	x86_64	0.2-6.e15
globus-gridftp-server	x86_64	3.33-2.e15
globus-gridftp-server-control	x86_64	0.46-1.e15
globus-gridftp-server-progs	x86_64	3.33-2.e15
globus-gridmap-callout-error	x86_64	0.3-2.e15
globus-gsi-callback	x86_64	2.8-2.e15
globus-gsi-cert-utils	x86_64	6.7-2.e15
globus-gsi-credential	x86_64	3.5-3.e15
globus-gsi-openssl-error	x86_64	0.14-8.e15
globus-gsi-proxy-core	x86_64	4.7-2.e15
globus-gsi-proxy-ssl	x86_64	2.3-3.e15
globus-gsi-sysconfig	x86_64	3.2-1.e15
globus-gss-assist	x86_64	5.10-1.e15
globus-gssapi-error	x86_64	2.5-8.e15
globus-gssapi-gsi	x86_64	7.8-1.e15
globus-io	x86_64	6.3-6.e15
globus-libtool	x86_64	1.2-4.e15
globus-openssl	x86_64	5.1-2.e15
globus-openssl-module	x86_64	1.3-3.e15
globus-proxy-utils	x86_64	3.10-1.e15
globus-usage	x86_64	1.4-2.e15
globus-xio	x86_64	2.8-4.e15
globus-xio-gsi-driver	x86_64	0.6-7.e15
globus-xio-pipe-driver	x86_64	0.1-3.e15
globus-xio-popen-driver	x86_64	0.9-3.e15
glue-schema	noarch	2.0.8-1.e15
gridsite-apache	x86_64	1.7.15-2.s15
gridsite-shared	x86_64	1.7.15-2.s15
gsoap	x86_64	2.7.13-4.e15
httpd	x86_64	2.2.3-53.s15.3
jakarta-commons-codec	x86_64	1.3-7jpp.2
jakarta-commons-discovery	x86_64	1:0.3-4jpp.1
jakarta-commons-httpclient	x86_64	1:3.0-7jpp.1
jakarta-commons-lang	x86_64	2.1-5jpp.1
jakarta-commons-logging	x86_64	1.0.4-6jpp.1
java-1.4.2-gcj-compat	x86_64	1.4.2.0-40jpp.115

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

jdk	x86_64	2000:1.6.0_29-fcs
jemalloc	x86_64	2.1.3-2.el5
jpackage-utils	noarch	1.7.3-1jpp.2.el5
lcas	x86_64	1.3.13-1.s15
lcas-lcmapi-gt4-interface	x86_64	0.1.4-1.s15
lcas-plugins-basic	x86_64	1.3.4-1.s15
lcas-plugins-voms	x86_64	1.3.7-1.s15
lcg-expiregridmapdir	noarch	3.0.1-1
lcmapi	x86_64	1.4.29-1.s15
lcmapi-plugins-basic	x86_64	1.4.5-1.s15
lcmapi-plugins-voms	x86_64	1.4.3-1.s15
lcmapi-without-gsi	x86_64	1.4.29-1.s15
libgcj	x86_64	4.1.2-50.el5
libcj	x86_64	3.6-5.16.1
libtar	x86_64	1.2.11-13.el5
libtool-ltdl	x86_64	1.5.22-7.el5_4
log4c	x86_64	1.2.1-7.el5
log4cpp	x86_64	1.0-9.el5
log4j	x86_64	1.2.13-3jpp.2
mod_fcgid	x86_64	2.2-11.el5
mod_ssl	x86_64	1:2.2.3-53.s15.3
myproxy-libs	x86_64	5.5-1.el5
mysql	x86_64	5.0.77-4.el5_5.4
mysql-server	x86_64	5.0.77-4.el5_5.4
openldap-clients	x86_64	2.3.43-12.el5_6.7
openldap-servers	x86_64	2.3.43-12.el5_6.7
perl-Convert-ASN1	noarch	0.20-1.1
perl-DBD-MySQL	x86_64	3.0007-2.el5
perl-DBI	x86_64	1.52-2.el5
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-XML-NamespaceSupport	noarch	1.09-1.2.1
perl-XML-SAX	noarch	0.14-8
voms	x86_64	2.0.2-1.s15
wSDL4j	x86_64	1.5.2-4jpp.1

### Transaction Summary

```

=====
Install      148 Package(s)
Upgrade      0 Package(s)

```

Total download size: 352 M

Is this ok [y/N]: y

Downloading Packages:

```

(1/148): emi-lb-1.0.0-1.s15.x86_64.rpm
(2/148): emi-wms-1.0.2-0.s15.x86_64.rpm
(3/148): emi-version-1.8.0-1.s15.x86_64.rpm
(4/148): glite-initscript-globus-gridftp-1.0.4-1.s15.noarch.rpm
(5/148): globus-libtool-1.2-4.el5.x86_64.rpm
(6/148): glite-jobid-api-cpp-1.1.3-1.s15.x86_64.rpm
(7/148): globus-openssl-5.1-2.el5.x86_64.rpm
(8/148): glite-jobid-api-java-1.1.3-6.s15.noarch.rpm
(9/148): lcg-expiregridmapdir-3.0.1-1.noarch.rpm
(10/148): glite-wms-configuration-3.3.2-1.s15.x86_64.rpm
(11/148): glite-yaim-bdii-4.3.4-1.el5.noarch.rpm
(12/148): globus-gridmap-callout-error-0.3-2.el5.x86_64.rpm
(13/148): globus-authz-callout-error-0.5-3.el5.x86_64.rpm
(14/148): glite-lb-yaim-4.3.9-1.s15.noarch.rpm
(15/148): glite-lbjp-common-log-1.1.2-6.s15.x86_64.rpm
(16/148): globus-openssl-module-1.3-3.el5.x86_64.rpm
(17/148): globus-authz-0.7-4.el5.x86_64.rpm
(18/148): globus-xio-pipe-driver-0.1-3.el5.x86_64.rpm
(19/148): globus-gssapi-error-2.5-8.el5.x86_64.rpm
(20/148): glite-lbjp-common-maildir-2.1.2-7.s15.x86_64.rpm
(21/148): globus-gsi-openssl-error-0.14-8.el5.x86_64.rpm
(22/148): perl-XML-NamespaceSupport-1.09-1.2.1.noarch.rpm

```

(23/148): globus-usage-1.4-2.el5.x86\_64.rpm  
(24/148): lcas-lcmaps-gt4-interface-0.1.4-1.s15.x86\_64.rpm  
(25/148): globus-callout-0.7-8.el5.x86\_64.rpm  
(26/148): globus-xio-popen-driver-0.9-3.el5.x86\_64.rpm  
(27/148): globus-gsi-proxy-ssl-2.3-3.el5.x86\_64.rpm  
(28/148): globus-gfork-0.2-6.el5.x86\_64.rpm  
(29/148): globus-gsi-cert-utils-6.7-2.el5.x86\_64.rpm  
(30/148): glite-jobid-api-c-2.0.3-1.s15.x86\_64.rpm  
(31/148): glite-yaim-wms-4.1.4-3.s15.noarch.rpm  
(32/148): glite-lb-ws-interface-3.2.4-1.s15.noarch.rpm  
(33/148): bdii-5.2.5-2.el5.noarch.rpm  
(34/148): lcas-plugins-basic-1.3.4-1.s15.x86\_64.rpm  
(35/148): fetch-curl-2.8.5-1.el5.noarch.rpm  
(36/148): glite-lbjp-common-server-bones-2.1.3-1.s15.x86\_64.rpm  
(37/148): glite-lbjp-common-jp-interface-2.1.2-7.s15.x86\_64.rpm  
(38/148): globus-gsi-sysconfig-3.2-1.el5.x86\_64.rpm  
(39/148): emi-trustmanager-axis-1.0.1-1.s15.noarch.rpm  
(40/148): globus-xio-gsi-driver-0.6-7.el5.x86\_64.rpm  
(41/148): java-1.4.2-gcj-compat-1.4.2.0-40jpp.115.x86\_64.rpm  
(42/148): glite-lb-logger-msg-1.0.6-1.s15.x86\_64.rpm  
(43/148): lcas-plugins-voms-1.3.7-1.s15.x86\_64.rpm  
(44/148): glite-wms-utils-classad-3.2.2-2.s15.x86\_64.rpm  
(45/148): libtar-1.2.11-13.el5.x86\_64.rpm  
(46/148): globus-gss-assist-5.10-1.el5.x86\_64.rpm  
(47/148): globus-gsi-credential-3.5-3.el5.x86\_64.rpm  
(48/148): glite-wms-utils-exception-3.2.2-2.s15.x86\_64.rpm  
(49/148): globus-gsi-proxy-core-4.7-2.el5.x86\_64.rpm  
(50/148): glue-schema-2.0.8-1.el5.noarch.rpm  
(51/148): lcas-1.3.13-1.s15.x86\_64.rpm  
(52/148): log4c-1.2.1-7.el5.x86\_64.rpm  
(53/148): libtool-ltdl-1.5.22-7.el5\_4.x86\_64.rpm  
(54/148): globus-gsi-callback-2.8-2.el5.x86\_64.rpm  
(55/148): lcmaps-plugins-voms-1.4.3-1.s15.x86\_64.rpm  
(56/148): globus-gridftp-server-progs-3.33-2.el5.x86\_64.rpm  
(57/148): perl-Convert-ASN1-0.20-1.1.noarch.rpm  
(58/148): glite-lbjp-common-gss-3.0.4-1.s15.x86\_64.rpm  
(59/148): globus-io-6.3-6.el5.x86\_64.rpm  
(60/148): fcgi-2.4.0-12.el5.x86\_64.rpm  
(61/148): globus-proxy-utils-3.10-1.el5.x86\_64.rpm  
(62/148): glite-lbjp-common-db-3.0.3-2.s15.x86\_64.rpm  
(63/148): glite-service-discovery-api-c-2.2.3-1.s15.x86\_64.rpm  
(64/148): lcmaps-plugins-basic-1.4.5-1.s15.x86\_64.rpm  
(65/148): perl-IO-Socket-SSL-1.01-1.fc6.noarch.rpm  
(66/148): c-ares-1.6.0-5.el5.x86\_64.rpm  
(67/148): glite-info-provider-service-1.7.0-1.el5.noarch.rpm  
(68/148): globus-gssapi-gsi-7.8-1.el5.x86\_64.rpm  
(69/148): mod\_fcgid-2.2-11.el5.x86\_64.rpm  
(70/148): globus-gridftp-server-control-0.46-1.el5.x86\_64.rpm  
(71/148): jpackage-utils-1.7.3-1jpp.2.el5.noarch.rpm  
(72/148): jemalloc-2.1.3-2.el5.x86\_64.rpm  
(73/148): glite-lb-utils-2.1.4-1.s15.x86\_64.rpm  
(74/148): globus-ftp-control-2.12-2.el5.x86\_64.rpm  
(75/148): glite-lb-harvester-1.1.6-3.s15.x86\_64.rpm  
(76/148): gridsite-apache-1.7.15-2.s15.x86\_64.rpm  
(77/148): glite-lbjp-common-trio-2.1.2-7.s15.x86\_64.rpm  
(78/148): perl-XML-SAX-0.14-8.noarch.rpm  
(79/148): lcmaps-without-gsi-1.4.29-1.s15.x86\_64.rpm  
(80/148): glite-px-proxyrenewal-1.3.21-1.s15.x86\_64.rpm  
(81/148): glite-lb-state-machine-1.2.2-5.s15.x86\_64.rpm  
(82/148): globus-ftp-client-6.0-2.el5.x86\_64.rpm  
(83/148): mod\_ssl-2.2.3-53.s15.3.x86\_64.rpm  
(84/148): glite-lb-logger-2.2.6-1.s15.x86\_64.rpm  
(85/148): lcmaps-1.4.29-1.s15.x86\_64.rpm  
(86/148): jakarta-commons-codec-1.3-7jpp.2.x86\_64.rpm  
(87/148): globus-common-11.6-5.el5.x86\_64.rpm  
(88/148): classpathx-jaf-1.0-9jpp.1.x86\_64.rpm  
(89/148): jakarta-commons-logging-1.0.4-6jpp.1.x86\_64.rpm

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(90/148): glite-yaim-core-5.0.2-1.s15.noarch.rpm
(91/148): globus-gridftp-server-3.33-2.el5.x86_64.rpm
(92/148): distcache-1.4.5-14.1.x86_64.rpm
(93/148): myproxy-libs-5.5-1.el5.x86_64.rpm
(94/148): globus-xio-2.8-4.el5.x86_64.rpm
(95/148): gridsite-shared-1.7.15-2.s15.x86_64.rpm
(96/148): perl-DBD-MySQL-3.0007-2.el5.x86_64.rpm
(97/148): jakarta-commons-discovery-0.3-4jpp.1.x86_64.rpm
(98/148): expect-5.43.0-5.1.x86_64.rpm
(99/148): glite-wms-classad_plugin-3.3.1-3.s15.x86_64.rpm
(100/148): voms-2.0.2-1.s15.x86_64.rpm
(101/148): glite-wms-broker-3.3.1-3.s15.x86_64.rpm
(102/148): perl-Net-SSLeay-1.30-4.fc6.x86_64.rpm
(103/148): log4cpp-1.0-9.el5.x86_64.rpm
(104/148): glite-wms-matchmaking-3.3.2-1.s15.x86_64.rpm
(105/148): openldap-clients-2.3.43-12.el5_6.7.x86_64.rpm
(106/148): emi-trustmanager-3.0.5-1.s15.noarch.rpm
(107/148): perl-LDAP-0.33-3.fc6.noarch.rpm
(108/148): glite-wms-purger-3.3.2-1.s15.x86_64.rpm
(109/148): glite-lb-common-8.0.6-1.s15.x86_64.rpm
(110/148): wsdl4j-1.5.2-4jpp.1.x86_64.rpm
(111/148): gsoap-2.7.13-4.el5.x86_64.rpm
(112/148): condor-lcg-1.2.0-1.i386.rpm
(113/148): classads-1.0.8-1.el5.x86_64.rpm
(114/148): jakarta-commons-lang-2.1-5jpp.1.x86_64.rpm
(115/148): glite-wms-brokerinfo-3.3.2-1.s15.x86_64.rpm
(116/148): glite-lb-client-java-1.1.6-1.s15.x86_64.rpm
(117/148): jakarta-commons-httpclient-3.0-7jpp.1.x86_64.rpm
(118/148): perl-DBI-1.52-2.el5.x86_64.rpm
(119/148): log4j-1.2.13-3jpp.2.x86_64.rpm
(120/148): boost-1.33.1-10.el5.x86_64.rpm
(121/148): glite-lb-ws-test-1.2.3-1.s15.x86_64.rpm
(122/148): gjdoc-0.7.7-12.el5.x86_64.rpm
(123/148): glite-lb-server-2.2.9-1.s15.x86_64.rpm
(124/148): glite-wms-manager-3.3.1-3.s15.x86_64.rpm
(125/148): glite-lb-doc-1.2.9-1.s15.noarch.rpm
(126/148): glite-lb-client-5.0.8-1.s15.x86_64.rpm
(127/148): glite-wms-helper-3.3.2-0.s15.x86_64.rpm
(128/148): antlr-2.7.6-4jpp.2.x86_64.rpm
(129/148): glite-ce-cream-client-api-c-1.13.2-3.s15.x86_64.rpm
(130/148): httpd-2.2.3-53.s15.3.x86_64.rpm
(131/148): classpathx-mail-1.1.1-4jpp.2.x86_64.rpm
(132/148): glite-lbjp-common-gsoap-plugin-3.0.2-7.s15.x86_64.rpm
(133/148): glite-wms-ism-3.3.2-1.s15.x86_64.rpm
(134/148): glite-jdl-api-cpp-3.2.6-1.s15.x86_64.rpm
(135/148): glite-wms-wmproxy-3.3.4-2.s15.x86_64.rpm
(136/148): openldap-servers-2.3.43-12.el5_6.7.x86_64.rpm
(137/148): glite-wms-common-3.3.2-0.s15.x86_64.rpm
(138/148): glite-ce-monitor-client-api-c-1.13.2-2.s15.x86_64.rpm
(139/148): glite-wms-jobsubmission-3.3.2-1.s15.x86_64.rpm
(140/148): axis-1.2.1-2jpp.6.x86_64.rpm
(141/148): mysql-5.0.77-4.el5_5.4.x86_64.rpm
(142/148): libicu-3.6-5.16.1.x86_64.rpm
(143/148): mysql-server-5.0.77-4.el5_5.4.x86_64.rpm
(144/148): glite-wms-ice-3.3.4-1.s15.x86_64.rpm
(145/148): libgcj-4.1.2-50.el5.x86_64.rpm
(146/148): activemq-cpp-library-3.2.5-1.s15.x86_64.rpm
(147/148): jdk-1.6.0_29-fcs.x86_64.rpm
(148/148): condor-7.4.2-linux-x86_64-rhel5-dynamic-1.x86_64.rpm

```

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Total

warning: rpmts\_HdrFromFdno: Header V3 DSA signature: NOKEY, key ID 217521f6

epel/gpgkey

Importing GPG key 0x217521F6 "Fedora EPEL <epel@fedoraproject.org>" from /etc/pki/rpm-gpg/RPM-GPG

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      : classads
Installing      : glite-jobid-api-c
Installing      : libgcj
Installing      : glite-wms-utils-classad
Installing      : glite-lbjp-common-trio
Installing      : glite-wms-utils-exception
Installing      : voms
Installing      : c-ares
Installing      : gridsite-shared
Installing      : gsoap
Installing      : httpd
Installing      : glite-service-discovery-api-c
Installing      : perl-DBI
Installing      : mysql
Installing      : glite-lbjp-common-maildir
Installing      : log4cpp
Installing      : perl-DBD-MySQL
Installing      : mysql-server
Installing      : mod_fcgid
Installing      : gridsite-apache
Installing      : openldap-servers
Installing      : expect
Installing      : distcache
Installing      : mod_ssl
Installing      : libtar
Installing      : openldap-clients
Installing      : fcgi
Installing      : jemalloc
Installing      : libicu
Installing      : boost
Installing      : glite-wms-common
Installing      : glite-wms-ism
Installing      : glite-ce-cream-client-api-c
Installing      : condor
```

Setting up Condor in /opt/condor-7.4.2

Unable to find a valid Java installation

Java Universe will not work properly until the JAVA

(and JAVA\_MAXHEAP\_ARGUMENT) parameters are set in the configuration file!

Condor has been installed into:

/opt/condor-7.4.2

Configured condor using these configuration files:

global: /opt/condor-7.4.2/etc/condor\_config

local: /opt/condor-7.4.2/local.prod-wms-02/condor\_config.local

In order for Condor to work properly you must set your CONDOR\_CONFIG

environment variable to point to your Condor configuration file:

/opt/condor-7.4.2/etc/condor\_config before running Condor commands/daemons.

Created scripts which can be sourced by users to setup their

Condor environment variables. These are:

sh: /opt/condor-7.4.2/condor.sh

csh: /opt/condor-7.4.2/condor.csh

```
Installing      : perl-Net-SSLeay
Installing      : lcmaps-without-gsi
Installing      : activemq-cpp-library
Installing      : log4c
Installing      : globus-openssl
Installing      : globus-gsi-proxy-ssl
Installing      : glite-lbjp-common-log
Installing      : glite-lbjp-common-db
Installing      : jpackage-utils
```

```

Installing      : glite-wms-configuration
Installing      : glue-schema
Installing      : glite-lbjp-common-jp-interface
Installing      : bdii
Installing      : glite-jobid-api-cpp
Installing      : glite-jdl-api-cpp
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      : glite-lbjp-common-gss
Installing      : globus-callout
Installing      : globus-gss-assist
Installing      : glite-lb-common
Installing      : globus-gssapi-error
Installing      : glite-lb-client
Installing      : globus-usage
Installing      : globus-xio-gsi-driver
Installing      : myproxy-libs
Installing      : glite-px-proxyrenewal
Installing      : glite-wms-purger
Installing      : glite-lbjp-common-gsoap-plugin
Installing      : lcas
Installing      : globus-io
Installing      : globus-ftp-control
Installing      : glite-wms-classad_plugin
Installing      : lcmaps
Installing      : glite-wms-matchmaking
Installing      : glite-wms-brokerinfo
Installing      : glite-wms-jobsubmission
Installing      : glite-lb-logger
Installing      : glite-lb-state-machine
Installing      : globus-gfork
Installing      : globus-authz-callout-error
Installing      : globus-authz
Installing      : glite-info-provider-service
Installing      : glite-lb-ws-interface
Installing      : emi-trustmanager
Installing      : glite-yaim-core
Installing      : emi-version
Installing      : fetch-crl
Installing      : glite-lb-ws-test
Installing      : glite-lb-utils
Installing      : glite-wms-broker
Installing      : glite-wms-helper
Installing      : glite-wms-manager
Installing      : lcmaps-plugins-voms
Installing      : lcmaps-plugins-basic
Installing      : glite-wms-wmproxy
Installing      : lcas-plugins-voms
Installing      : lcas-plugins-basic
Installing      : glite-lb-harvester
Installing      : globus-proxy-utils
Installing      : glite-ce-monitor-client-api-c
Installing      : globus-xio-popen-driver
Installing      : globus-ftp-client
Installing      : glite-wms-ice
Installing      : globus-xio-pipe-driver
Installing      : globus-gridftp-server-control
Installing      : globus-gridftp-server
    
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
Installing      : globus-gridftp-server-progs
Installing      : globus-gridmap-callout-error
Installing      : lcas-lcmaps-gt4-interface
Installing      : glite-lbjp-common-server-bones
Installing      : glite-lb-server
Installing      : glite-yaim-wms
Installing      : perl-IO-Socket-SSL
Installing      : glite-yaim-bdii
Installing      : jdk
Unpacking JAR files...
  rt.jar...
  jsse.jar...
  charsets.jar...
  tools.jar...
  localedata.jar...
  plugin.jar...
  javaws.jar...
  deploy.jar...
Installing      : perl-XML-NamespaceSupport
Installing      : perl-XML-SAX
Installing      : glite-lb-doc
Installing      : perl-Convert-ASN1
Installing      : perl-LDAP
Installing      : glite-lb-logger-msg
Installing      : glite-lb-yaim
Installing      : glite-initscript-globus-gridftp
Installing      : lcg-expiregridmapdir
Installing      : condor-lcg
Installing      : java-1.4.2-gcj-compat
Installing      : jakarta-commons-logging
Installing      : classpathx-jaf
Installing      : classpathx-mail
Installing      : jakarta-commons-httpclient
Installing      : jakarta-commons-discovery
Installing      : gjdoc
Installing      : jakarta-commons-codec
Installing      : log4j
Installing      : wsdl4j
Installing      : axis
Installing      : antlr
Installing      : jakarta-commons-lang
Installing      : emi-trustmanager-axis
Installing      : glite-jobid-api-java
Installing      : glite-lb-client-java
Installing      : emi-lb
Installing      : emi-wms
```

Installed:

```
emi-wms.x86_64 0:1.0.2-0.s15
```

Dependency Installed:

```
activemq-cpp-library.x86_64 0:3.2.5-1.s15
bdii.noarch 0:5.2.5-2.e15
classads.x86_64 0:1.0.8-1.e15
condor.x86_64 0:7.4.2-1
emi-lb.x86_64 0:1.0.0-1.s15
emi-version.x86_64 0:1.8.0-1.s15
fetch-curl.noarch 0:2.8.5-1.e15
glite-ce-monitor-client-api-c.x86_64 0:1.13.2-2.s15
glite-jdl-api-cpp.x86_64 0:3.2.6-1.s15
glite-jobid-api-java.noarch 0:1.1.3-6.s15
glite-lb-common.x86_64 0:8.0.6-1.s15
glite-lb-logger.x86_64 0:2.2.6-1.s15
glite-lb-state-machine.x86_64 0:1.2.2-5.s15
glite-lb-ws-test.x86_64 0:1.2.3-1.s15
glite-lbjp-common-gsoap-plugin.x86_64 0:3.0.2-7.s15
glite-lbjp-common-log.x86_64 0:1.1.2-6.s15
antlr.x86_64 0:2.7.6-4jpp.2
boost.x86_64 0:1.33.1-10.e15
classpathx-jaf.x86_64 0:1.0-9jpp.1
condor-lcg.i386 0:1.2.0-1
emi-trustmanager.noarch 0:3.0.5-1.s15
expect.x86_64 0:5.43.0-5.1
gjdoc.x86_64 0:0.7.7-12.e15
glite-info-provider-service.noarch 0:1.7.0-
glite-jobid-api-c.x86_64 0:2.0.3-1.s15
glite-lb-client.x86_64 0:5.0.8-1.s15
glite-lb-doc.noarch 0:1.2.9-1.s15
glite-lb-logger-msg.x86_64 0:1.0.6-1.s15
glite-lb-utils.x86_64 0:2.1.4-1.s15
glite-lb-yaim.noarch 0:4.3.9-1.s15
glite-lbjp-common-gss.x86_64 0:3.0.4-1.s15
glite-lbjp-common-maildir.x86_64 0:2.1.2-7.
```



## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
glite-lbjp-common-trio.x86_64 0:2.1.2-7.s15
glite-wms-broker.x86_64 0:3.3.1-3.s15
glite-wms-common.x86_64 0:3.3.2-0.s15
glite-wms-ice.x86_64 0:3.3.4-1.s15
glite-wms-manager.x86_64 0:3.3.1-3.s15
glite-wms-utils-classad.x86_64 0:3.2.2-2.s15
glite-yaim-bdii.noarch 0:4.3.4-1.e15
globus-authz.x86_64 0:0.7-4.e15
globus-common.x86_64 0:11.6-5.e15
globus-gfork.x86_64 0:0.2-6.e15
globus-gridftp-server-progs.x86_64 0:3.33-2.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-xio.x86_64 0:2.8-4.e15
globus-xio-popen-driver.x86_64 0:0.9-3.e15
gridsite-shared.x86_64 0:1.7.15-2.s15
jakarta-commons-codec.x86_64 0:1.3-7jpp.2
jakarta-commons-lang.x86_64 0:2.1-5jpp.1
jdk.x86_64 2000:1.6.0_29-fcs
lcas.x86_64 0:1.3.13-1.s15
lcas-plugins-voms.x86_64 0:1.3.7-1.s15
lcmapi-plugins-basic.x86_64 0:1.4.5-1.s15
libgcj.x86_64 0:4.1.2-50.e15
libtool-ltdl.x86_64 0:1.5.22-7.e15_4
log4j.x86_64 0:1.2.13-3jpp.2
myproxy-libs.x86_64 0:5.5-1.e15
openldap-clients.x86_64 0:2.3.43-12.e15_6.7
perl-DBD-MySQL.x86_64 0:3.0007-2.e15
perl-LDAP.noarch 1:0.33-3.fc6
perl-XML-SAX.noarch 0:0.14-8
glite-px-proxyrenewal.x86_64 0:1.3.21-1.s15
glite-wms-brokerinfo.x86_64 0:3.3.2-1.s15
glite-wms-configuration.x86_64 0:3.3.2-1.s15
glite-wms-ism.x86_64 0:3.3.2-1.s15
glite-wms-matchmaking.x86_64 0:3.3.2-1.s15
glite-wms-utils-exception.x86_64 0:3.2.2-2.
glite-yaim-core.noarch 0:5.0.2-1.s15
globus-authz-callout-error.x86_64 0:0.5-3.e
globus-ftp-client.x86_64 0:6.0-2.e15
globus-gridftp-server.x86_64 0:3.33-2.e15
globus-gridmap-callout-error.x86_64 0:0.3-2
globus-gsi-credential.x86_64 0:3.5-3.e15
globus-gsi-proxy-ssl.x86_64 0:2.3-3.e15
globus-gssapi-error.x86_64 0:2.5-8.e15
globus-libtool.x86_64 0:1.2-4.e15
globus-proxy-utils.x86_64 0:3.10-1.e15
globus-xio-gsi-driver.x86_64 0:0.6-7.e15
glue-schema.noarch 0:2.0.8-1.e15
gsoap.x86_64 0:2.7.13-4.e15
jakarta-commons-discovery.x86_64 1:0.3-4jpp
jakarta-commons-logging.x86_64 0:1.0.4-6jpp
jemalloc.x86_64 0:2.1.3-2.e15
lcas-lcmapi-gt4-interface.x86_64 0:0.1.4-1.
lcmapi-expiregridmapdir.noarch 0:3.0.1-1
lcmapi-plugins-voms.x86_64 0:1.4.3-1.s15
libicu.x86_64 0:3.6-5.16.1
log4c.x86_64 0:1.2.1-7.e15
mod_fcgid.x86_64 0:2.2-11.e15
mysql.x86_64 0:5.0.77-4.e15_5.4
openldap-servers.x86_64 0:2.3.43-12.e15_6.7
perl-DBI.x86_64 0:1.52-2.e15
perl-Net-SSLeay.x86_64 0:1.30-4.fc6
voms.x86_64 0:2.0.2-1.s15
```

Complete!

### MySQL configuration [MySQL configuration](#)

Add this MySQL configuration line on /etc/my.cnf

```
innodb_file_per_table
```

In [mysqld] section. This might be useful if the database does not shrink even if the jobs are already been purged (WMS best practices ).

### WMS configuration [WMS configuration](#)

Copy your certificates in /etc/grid-security/ with the following permissions:

```
-rw-r--r-- 1 root root 1440 Jan 24 13:36 hostcert.pem
-r----- 1 root root 891 Jan 24 13:36 hostkey.pem
```

Please enable only the VOs (variable VOS) that you need to support on your WMS. If more users/groups are needed they can be configured by copying the files:

```
/opt/glite/yaim/examples/groups.conf
/opt/glite/yaim/examples/users.conf
```

An example of groups and users is also give in the users and groups configuration of this guide: Users and Groups in the same directory of your siteinfo.def and modify it as needed.

The siteinfo.def itself should look similar to the following one (which is suitable for a WMS and LB co-hosted and that supports the VOs: cms, ops and dteam) For a cohosted WMS and LB your siteinfo.def should look similar to this:

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
# YAIM example site configuration file - adapt it to your site!
#ACTIVEMQ_TOPIC = /WMSMonitor

MY_DOMAIN=cnaf.infn.it

# Node names
# Note: - SE_HOST --> Removed, see CLASSIC_HOST, DCACHE_ADMIN, DPM_HOST below
#       - REG_HOST --> There is only 1 central registry for the time being.

GLITE_LB_WMS_DN="/C=IT/O=INFN/OU=Host/L=CNAF/CN=wms003.cnaf.infn.it"
GLITE_LB_SUPER_USERS="/C=IT/O=INFN/OU=Personal Certificate/L=CNAF/CN=Alessandro Paolini,/C=IT/O=INFN/OU=Host/L=CNAF/CN=wms003.cnaf.infn.it"
GLITE_LB_AUTHZ_REGISTER_JOBS=".*"

CE_HOST=my-ce.$MY_DOMAIN
RB_HOST=my-rb.$MY_DOMAIN

WMS_HOST=wms003.$MY_DOMAIN
LB_HOST=wms003.$MY_DOMAIN:9000
GLITE_LB_TYPE=both
PX_HOST=myproxy.$MY_DOMAIN
BDII_HOST=egee-bdii.$MY_DOMAIN
#BDII_HOST=certtbpri-bdii.cern.ch

MON_HOST=my-mon.$MY_DOMAIN

# debugging information.
# Possible values: NONE, ABORT, ERROR, WARNING, INFO, DEBUG
YAIM_LOGGING_LEVEL=INFO

# Set this to "yes" your site provides an X509toKERBEROS Authentication Server
# Only for sites with Experiment Software Area under AFS
GSSKLOG=no
GSSKLOG_SERVER=my-gssklog.$MY_DOMAIN

WN_LIST=/opt/glite/yaim/etc/wn-list.conf
#USERS_CONF=/root/users.conf
#GROUPS_CONF=/root/groups.conf
USERS_CONF=/opt/glite/yaim/examples/users.conf
GROUPS_CONF=/opt/glite/yaim/examples/groups.conf
FUNCTIONS_DIR=/opt/glite/yaim/functions

GLOBUS_TCP_PORT_RANGE="20000,25000"

# Choose a good password ! And be sure that this file cannot be read by
# any grid job !
MYSQL_PASSWORD=d3pass
APEL_DB_PASSWORD="APELDB_PWD"

# GRID_TRUSTED_BROKERS: DNs of services (RBs) allowed to renew/retrives
# credentials from/at the myproxy server. Put single quotes around each trusted DN !!!

GRID_TRUSTED_BROKERS="
'broker one'
'broker two'
"

# The RB now uses the DLI by default; set VOs here which should use RLS
RB_RLS="" # "atlas cms"

# GridIce server host name (usually run on the MON node).
GRIDICE_SERVER_HOST=$MON_HOST
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
# Site-wide settings
SITE_EMAIL=root@localhost
SITE_CRON_EMAIL=$SITE_EMAIL # not yet used will appear in a later release
SITE_SUPPORT_EMAIL=$SITE_EMAIL
SITE_NAME=INFN-CNAF
SITE_LOC="City, Country"
SITE_LAT=0.0 # -90 to 90 degrees
SITE_LONG=0.0 # -180 to 180 degrees
SITE_WEB="http://www.my-site.org"
SITE_TIER="TIER 2"
SITE_SUPPORT_SITE="my-bigger-site.their_domain"
#SITE_HTTP_PROXY="myproxy.my.domain"

# BDII/GIP specific settings
BDII_SITE_TIMEOUT=120
BDII_RESOURCE_TIMEOUT=`expr "$BDII_SITE_TIMEOUT" - 5`
GIP_RESPONSE=`expr "$BDII_RESOURCE_TIMEOUT" - 5`
GIP_FRESHNESS=60
GIP_CACHE_TTL=300
GIP_TIMEOUT=150

BDII_HTTP_URL="http://grid-deployment.web.cern.ch/grid-deployment/gis/lcg2-bdii/dteam/lcg2-all-si

# The Freedom of Choice of Resources service allows a top-level BDII
# to be instructed to remove VO-specific access control lines for
# resources that do not meet the VO requirements
BDII_FCR=http://lcg-fcr.cern.ch:8083/fcr-data/exclude.ldif

# Ex.: BDII_REGIONS="CE SE RB PX VOBOX"
BDII_REGIONS="CE SE" # list of the services provided by the site
BDII_CE_URL="ldap://$CE_HOST:2135/mds-vo-name=local,o=grid"
BDII_SE_URL="ldap://$CLASSIC_HOST:2135/mds-vo-name=local,o=grid"
BDII_RB_URL="ldap://$RB_HOST:2135/mds-vo-name=local,o=grid"
BDII_PX_URL="ldap://$PX_HOST:2135/mds-vo-name=local,o=grid"
BDII_LFC_URL="ldap://$LFC_HOST:2135/mds-vo-name=local,o=grid"
BDII_VOBOX_URL="ldap://$VOBOX_HOST:2135/mds-vo-name=local,o=grid"
BDII_FTS_URL="ldap://$FTS_HOST:2170/mds-vo-name=resource,o=grid"

# E2EMONIT specific settings
# This specifies the location to download the host specific configuration file
E2EMONIT_LOCATION=grid-deployment.web.cern.ch/grid-deployment/e2emonit/production

#
# Replace this with the siteid supplied by the person setting up the networking
# topology.
E2EMONIT_SITEID=my.siteid

# VOS="atlas alice gridit lhcb cms dteam biomed"
# Space separated list of supported VOs by your site

#VOS="ops dteam cms gridit glast.org superbvo.org t2k.org vo.londongrid.ac.uk testers.eu-emi.eu"
VOS="ops dteam cms"
QUEUES=${VOS}

# For each queue define a _GROUP_ENABLE variable which is a list
# of VO names and VOMS FQANs
# Ex.: MYQUEUE_GROUP_ENABLE="ops atlas cms /VO=cms/GROUP=/cms/Susy"
# In DNS like VO names dots and dashes should be replaced with underscore:
# Ex.: MYQUEUE_GROUP_ENABLE="my.test-queue"
# MY_TEST_QUEUE_GROUP_ENABLE="ops atlas"

OPS_GROUP_ENABLE="ops"
DTEAM_GROUP_ENABLE="dteam"
CMS_GROUP_ENABLE="cms"
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
VO_SW_DIR=/opt/exp_soft
```

```
# Set this if you want a scratch directory for jobs
EDG_WL_SCRATCH=""
```

```
# VO specific settings. For help see: https://lcg-sft.cern.ch/yaimtool/yaimtool.py
VO_ATLAS_SW_DIR=$VO_SW_DIR/atlas
VO_ATLAS_DEFAULT_SE=$CLASSIC_HOST
VO_ATLAS_STORAGE_DIR=$CLASSIC_STORAGE_DIR/atlas
```

```
VO_ATLAS_VOMS_POOL_PATH="/lcg1"
VO_ATLAS_VOMS_SERVERS='vomss://voms.cern.ch:8443/voms/atlas?/atlas/'
#VO_ATLAS_VOMS_EXTRA_MAPS="'Role=production production' 'usatlas .usatlas'"
VO_ATLAS_VOMSES="'atlas lcg-voms.cern.ch 15001 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch atlas'"
#VO_ATLAS_RBS="atlasrb1.cern.ch atlasrb2.cern.ch"
```

```
VO_ALICE_SW_DIR=$VO_SW_DIR/alice
VO_ALICE_DEFAULT_SE=$CLASSIC_HOST
VO_ALICE_STORAGE_DIR=$CLASSIC_STORAGE_DIR/alice
```

```
VO_ALICE_VOMS_SERVERS='vomss://voms.cern.ch:8443/voms/alice?/alice/'
VO_ALICE_VOMSES="'alice lcg-voms.cern.ch 15000 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch alice'"
```

```
VO_CMS_SW_DIR=$VO_SW_DIR/cms
VO_CMS_DEFAULT_SE=$CLASSIC_HOST
VO_CMS_STORAGE_DIR=$CLASSIC_STORAGE_DIR/cms
```

```
VO_CMS_VOMS_SERVERS='vomss://voms.cern.ch:8443/voms/cms?/cms/'
VO_CMS_VOMSES="'cms lcg-voms.cern.ch 15002 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch cms'"
VO_CMS_VOMS_CA_DN="'/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=CERN'"
```

```
VO_LHCB_SW_DIR=$VO_SW_DIR/lhcb
VO_LHCB_DEFAULT_SE=$CLASSIC_HOST
VO_LHCB_STORAGE_DIR=$CLASSIC_STORAGE_DIR/lhcb
```

```
VO_LHCB_VOMS_SERVERS='vomss://voms.cern.ch:8443/voms/lhcb?/lhcb/'
VO_LHCB_VOMS_EXTRA_MAPS="lcgprod lhcbprod"
VO_LHCB_VOMSES="'lhcb lcg-voms.cern.ch 15003 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch lhcb'"
```

```
VO_DTEAM_SW_DIR=$VO_SW_DIR/dteam
VO_DTEAM_DEFAULT_SE=$CLASSIC_HOST
VO_DTEAM_STORAGE_DIR=$CLASSIC_STORAGE_DIR/dteam
M_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 dteam'"
VO_DTEAM_VOMS_CA_DN="'/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=CERN'"
```

```
VO_BIOMED_SW_DIR=$VO_SW_DIR/biomed
VO_BIOMED_DEFAULT_SE=$CLASSIC_HOST
VO_BIOMED_STORAGE_DIR=$CLASSIC_STORAGE_DIR/biomed
```

```
VO_BIOMED_VOMS_SERVERS="vomss://cclcgvomsl101.in2p3.fr:8443/voms/biomed?/biomed/"
VO_BIOMED_VOMSES="biomed cclcgvomsl101.in2p3.fr 15000 /O=GRID-FR/C=FR/O=CNRS/OU=CC-LYON/CN=cclcgvomsl101.in2p3.fr"
```

```
VO_OPS_SW_DIR=$VO_SW_DIR/ops
VO_OPS_DEFAULT_SE=$CLASSIC_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'"
VO_OPS_VOMS_CA_DN="'/DC=ch/DC=cern/CN=CERN Trusted Certification Authority' '/DC=ch/DC=cern/CN=CERN'"
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
#VO_OPS_VOMSES="'ops lcg-voms.cern.ch 15009 /DC=ch/DC=cern/OU=computers/CN=lcg-voms.cern.ch ops'

#####
# gridit #
#####
VO_GRIDIT_SW_DIR=$VO_SW_DIR/gridit
VO_GRIDIT_DEFAULT_SE=$SE_HOST
VO_GRIDIT_STORAGE_DIR=$CLASSIC_STORAGE_DIR/gridit
VO_GRIDIT_VOMS_SERVERS="'vomss://voms.cnaf.infn.it:8443/voms/gridit?/gridit' 'vomss://voms-01.pd.
VO_GRIDIT_VOMSES="'gridit voms.cnaf.infn.it 15008 /C=IT/O=INFN/OU=Host/L=CNAF/CN=voms.cnaf.infn.i
VO_GRIDIT_VOMS_CA_DN="'/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"
```

```
#####
# EMI testbed #
#####
SW_DIR=$VO_SW_DIR/testers.eu-emi.eu
DEFAULT_SE=$SE_HOST
STORAGE_DIR=$CLASSIC_STORAGE_DIR/testers.eu-emi.eu
VOMS_SERVERS="'vomss://emitestbed07.cnaf.infn.it:8443/voms/testers.eu-emi.eu?/testers.eu-emi.eu'
VOMSES="'testers.eu-emi.eu emitestbed07.cnaf.infn.it 15002 /C=IT/O=INFN/OU=Host/L=CNAF/CN=emitest
VOMS_CA_DN="'/C=IT/O=INFN/CN=INFN CA' '/C=IT/O=INFN/CN=INFN CA'"
```

Once the configuration is ready issue the command:

```
[root@wms003 ~]# /opt/glite/yaim/bin/yaim -c -s /root/site-info_wms003.def -n WMS -n LB 2>&1 | te
INFO: Using site configuration file: /root/site-info_wms003.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 24 14:21 /root/site-info_wms003.def
yaim command: -c -s /root/site-info_wms003.def -n WMS -n LB
log file: /opt/glite/yaim/bin/./log/yaimlog
Tue Jan 24 14:22:19 CET 2012 : /opt/glite/yaim/bin/yaim

Installed YAIM versions:
glite-lb-yaim 4.3.9-1
glite-yaim-bdii 4.3.4-1
glite-yaim-core 5.0.2-1
glite-yaim-wms 4.1.4-3

#####
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_add_pool_env_check
INFO: Executing function: config_host_certs_check
INFO: Executing function: config_lcgenv_check
INFO: Executing function: config_edgusers_check
INFO: Executing function: config_users_check
INFO: Executing function: config_vomsmap_check
INFO: Executing function: config_vomsdir_check
INFO: Executing function: config_vomses_check
INFO: Executing function: config_gip_wms_check
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
INFO: Executing function: config_info_service_wms_check
INFO: Executing function: config_globus_gridftp_check
INFO: Executing function: config_lcas_lcmaps_gt4_check
INFO: Executing function: config_condor_wms_check
INFO: Executing function: config_glite_wms_check
INFO: Executing function: config_gliteservices_wms_check
INFO: Executing function: config_cron_wms_check
INFO: Executing function: config_glite_lb_check
INFO: Executing function: config_glite_locallogger_check
INFO: Executing function: config_bdii_5.2_check
INFO: Executing function: config_info_service_lb_check
INFO: Executing function: config_add_pool_env_setenv
INFO: Executing function: config_add_pool_env
INFO: Executing function: config_crl
INFO: Now updating the CRLs - this may take a few minutes...
Enabling periodic fetch-crl: [ OK ]
INFO: Executing function: config_host_certs
INFO: Executing function: config_lcgenv
INFO: Executing function: config_edgusers
INFO: Executing function: config_users
INFO: Executing function: config_vomsmmap_setenv
INFO: Executing function: config_vomsmmap
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-security
INFO: Executing function: config_vomsdir_setenv
INFO: Executing function: config_vomsdir
grep: /etc/grid-security/gridftp.conf: No such file or directory
INFO: Executing function: config_vomses
INFO: Executing function: config_gip_wms
INFO: Executing function: config_info_service_wms_setenv
INFO: Executing function: config_info_service_wms
INFO: Executing function: config_globus_gridftp_setenv
INFO: Executing function: config_globus_gridftp
INFO: Starting gridftp service :
Stopping globus-gridftp-server: [FAILED]
Starting globus-gridftp-server: [ OK ]
INFO: Executing function: config_lcas_lcmaps_gt4_setenv
INFO: Executing function: config_lcas_lcmaps_gt4
INFO: Creating LCAS_DB_FILE in /etc/lcas/lcas.db
INFO: Creating LCMAPS_DB_FILE in /etc/lcmaps/lcmaps.db.gridftp
INFO: Executing function: config_condor_wms_setenv
INFO: Executing function: config_condor_wms
INFO: Executing function: config_glite_wms_setenv
INFO: Executing function: config_glite_wms
INFO: config_glite_wms: Configuration file
INFO: config_glite_wms: Creating /etc/glite-wms/glite_wms.conf ...
WARNING: /usr/sbin/glite_wms_wmproxy_load_monitor found
Error: The proxy credential could not be written to the output file.
Use -debug for further information.
Your identity: /C=IT/O=INFN/OU=Host/L=CNAF/CN=wms003.cnaf.infn.it
Creating proxy ..... Done
INFO: Executing function: config_gliteservices_wms_setenv
INFO: Executing function: config_gliteservices_wms
Stopping globus-gridftp-server: [ OK ]
Starting globus-gridftp-server: [ OK ]
stopping workload manager... ok (was not running)
starting workload manager... Create jobdir queue object.
ok
Restarting JobController daemon(s)
Stopping JobController... JobController not running!
Stopping CondorG... CondorG not running!
Starting JobController... [ OK ]
Starting CondorG... [ OK ]
Stopping LogMonitor... LogMonitor not running!
Starting LogMonitor... [ OK ]
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
starting ICE... glite-proxy-renewd: no process killed
ok
Stopping ProxyRenewal Daemon: glite-proxy-renewd ... done
Starting ProxyRenewal Daemon: glite-proxy-renewd ... done
httpd not running, trying to start
httpd not running, trying to start
Starting Condor-C Launcher
Submitting job(s).
1 job(s) submitted to cluster 1.
Starting Condor-C Advertiser
Submitting job(s).
1 job(s) submitted to cluster 2.
Starting Condor-C Authorizer
Submitting job(s).
1 job(s) submitted to cluster 3.
Starting Condor-C VO Advertiser
Submitting job(s).
1 job(s) submitted to cluster 4.
    INFO: Executing function: config_cron_wms_setenv
    INFO: Executing function: config_cron_wms
    INFO: Executing function: config_glite_lb_setenv
    INFO: Executing function: config_glite_lb
    INFO: Configuring nodes [WMS LB], using L&B mode: both
Initializing MySQL database: Installing MySQL system tables...
OK
Filling help tables...
OK

To start mysqld at boot time you have to copy
support-files/mysql.server to the right place for your system

PLEASE REMEMBER TO SET A PASSWORD FOR THE MySQL root USER !
To do so, start the server, then issue the following commands:
/usr/bin/mysqladmin -u root password 'new-password'
/usr/bin/mysqladmin -u root -h wms003.cnaf.infn.it password 'new-password'

Alternatively you can run:
/usr/bin/mysql_secure_installation

which will also give you the option of removing the test
databases and anonymous user created by default. This is
strongly recommended for production servers.

See the manual for more instructions.

You can start the MySQL daemon with:
cd /usr ; /usr/bin/mysqld_safe &

You can test the MySQL daemon with mysql-test-run.pl
cd mysql-test ; perl mysql-test-run.pl

Please report any problems with the /usr/bin/mysqlbug script!

The latest information about MySQL is available on the web at
http://www.mysql.com
Support MySQL by buying support/licenses at http://shop.mysql.com
[ OK ]
Starting MySQL: [ OK ]
glite-lb-notif-interlogd not running
glite-lb-bkserverd not running
glite-jp-importer not running
glite-lb-interlogd not running
Starting glite-lb-bkserver ... done
Starting glite-lb-notif-interlogd ... done
Starting glite-lb-interlog for proxy ... done
    INFO: Executing function: config_glite_locallogger_setenv
    INFO: Executing function: config_glite_locallogger
```

## NotesAboutInstallationAndConfigurationOfAWMSAndLB < SiteAdminCorner < TWiki

```
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_bdii_5.2
Stopping BDII: BDII already stopped
Starting BDII slapd: [ OK ]
Starting BDII update process: [ OK ]
INFO: Executing function: config_glite_initd
INFO: Executing function: config_info_service_lb_setenv
INFO: Executing function: config_info_service_lb
INFO: Configuration Complete. [ OK ]
INFO: YAIM terminated succesfully.
```

After a successful configuration is advisable to comment the line:

```
* /5 * * * * root . /usr/libexec/grid-env.sh ; sh /usr/libexec/glite-wms-check-daemons.sh > /dev/n
```

in /etc/cron.d/glite-wms-check-daemons.cron Stop the services with:

```
[root@wms3 ~]# service gLite stop
*** glite-lb-bkserverd:
Stopping glite-lb-notif-interlogd (16109) ... done
Stopping glite-lb-bkserverd (16056) ... done
glite-jp-importer not running
Stopping glite-lb-interlogd (16146) ... done

*** glite-lb-locallogger:
Stopping glite-lb-logd ... done
Stopping glite-lb-interlogd ... done

*** glite-proxy-renewald:
Stopping ProxyRenewal Daemon: glite-proxy-renewd ... done

*** glite-wms-ice:
stopping ICE... ok

*** glite-wms-jc:
Stopping JobController daemon(s)
    Stopping JobController... [ OK ]
A stale lock file still exists, removing it.. [ OK ]
    Stopping CondorG... [ OK ]

*** glite-wms-lm:
Stopping LogMonitor... [ OK ]
A stale lock file still exists, removing it.. [ OK ]

*** glite-wms-wm:
stopping workload manager... ok

*** glite-wms-wmproxy:

*** globus-gridftp:
Stopping globus-gridftp-server: [ OK ]
```

Change the variable /etc/glite-wms/glite\_wms.conf

```
MaxOutputSandboxSize = -1;
```

with something like:

```
MaxOutputSandboxSize = 55000000;
```



to limit the maximum output sandbox size to about 50Mb. Restart the services:

```
[root@wms3 ~]# service gLite start
*** globus-gridftp:
Starting globus-gridftp-server:                [ OK ]

*** glite-wms-wmproxy:

*** glite-wms-wm:
starting workload manager... ok

*** glite-wms-lm:
Starting LogMonitor...                          [ OK ]

*** glite-wms-jc:
Starting JobController daemon(s)
    Starting JobController...Create jobdir queue object.
                                                    [ OK ]
    Starting CondorG...                          [ OK ]

*** glite-wms-ice:
starting ICE... ok

*** glite-proxy-renewald:
Starting ProxyRenewal Daemon: glite-proxy-renewd ... done

*** glite-lb-locallogger:
Starting glite-lb-logd ...This is LocalLogger, part of Workload Management System in EU DataGrid
done
Starting glite-lb-interlogd ... done

*** glite-lb-bkserverd:
Starting glite-lb-bkserver ... done
Starting glite-lb-notif-interlogd ... done
Starting glite-lb-interlog for proxy ... done
```

**VERY IMPORTANT:** before starting using the newly installed WMS execute the command:

```
chmod a+r /etc/nsswitch.conf
```

### WMSMon sensors installation and configuration ▾ WMSMon sensors installation and configuration ▾

For installation and configuration of WMSMon sensors and server please follow the official guide:  
WMSMonitor .

### Ban a User ▾ Ban a User ▾

The file "/etc/glite-wms/glite\_wms\_wmproxy.gacl" contains the identities (VO, user, etc) with distinct permissions (exec, read, write, ...) to use the WMS. If it is necessary to ban a user/group/VO the site admin must add his/her DN/FQAN and a deny tag, e.g.:

```
<entry>
  <person>
    <dn>/C=IT/O=INFN/OU=Personal Certificate/L=DATAMAT DSAGRD/CN=John Doe</dn>
  </person>
  <deny>
    <exec/>
  </deny>
</entry>
```

For more documentation please visit: [WMSSystemAdministratorGuide](#)

-- AndreaCristofori - 2012-01-23

This topic: SiteAdminCorner > NotesAboutInstallationAndConfigurationOfAWMSAndLB

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