

Setup for a SL5_x86_64_EPEL build environment

Requirements:

- Install SL5_x86_64
- All extension, such as DAG or ATrpms, must be removed or disabled ("**rm adobe.repo dag.repo atrpms.repo lemon.repo ...**")
- SL5 YUM repositories must be protected (if not already present, add **protect=1** to all the **sl-* .repo** files)
- Packages **yum-protectbase** and **yum-priorities** must be installed ("**yum -y install yum-protectbase yum-priorities**")
- Configure the access to VCS repositories according to the user's security model adopted

Packages and environment

- Install GPG keys:

```
wget http://glite.web.cern.ch/glite/glite_key_gd.asc -O /tmp/glite_key_gd.asc
rpm --import /tmp/glite_key_gd.asc
wget http://emisoft.web.cern.ch/emisoft/dist/EMI/1/RPM-GPG-KEY-emi -O /tmp/RPM-GPG-KEY-emi.asc
rpm --import /tmp/RPM-GPG-KEY-emi.asc
```

- Install the EPEL extension:

```
rpm -Uvh http://download.fedora.redhat.com/pub/epel/5/i386/epel-release-5-4.noarch.rpm
```

(Please consider the mirrors listed [here](#) if the fedora website is not accesible).

- Install the EMI third-party repositories:

```
wget http://emisoft.web.cern.ch/emisoft/dist/EMI/1/sl5/repos/emil-third-party.repo -O /etc/yum.repos.d/emil-third-party.repo
wget http://devel12.cnaf.infn.it:7444/pub/repofiles/emi-build-environment.repo -O /etc/yum.repos.d/emi-build-environment.repo
```

- Install the basic build environment:

```
yum install emi-build-environment
```

ETICS setup

- Install the ETICS client:

```
cd /opt && wget "http://eticssoft.web.cern.ch/eticssoft/repository/etics-client-setup.py" -O etics-client-setup.py
python etics-client-setup
```

- See HOWTO [the](#) for ETICS client setup

Checkout and build

- Build the WMS (see the table below for specific values):

```
mkdir wms && cd wms
etics-workspace-setup
etics-get-project emi
(required before checkout: execute as root this command 'yum -y install gsoap2.7-devel')
etics-checkout --noask --platform sl5_x86_64_gcc412EPEL --continueonerror --project-config <ProjectConfig>
etics-build --platform sl5_x86_64_gcc412EPEL --continueonerror emi.wms
```

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	Project configuration	Subsystem configuration
EMI-1	emi_R_1_rc	emi-wms_B_3_3
EMI-2	emi_B_2_dev	emi-wms_B_3_4

- Build the WMS UI (see the table below for specific values):

```
mkdir wms-ui && cd wms-ui
etics-workspace-setup
etics-get-project emi
etics-checkout --noask --platform sl5_x86_64_gcc412EPEL --continueonerror --project-config <ProjectConfig
etics-build --platform sl5_x86_64_gcc412EPEL --continueonerror emi.wms-ui
```

	Project configuration	Subsystem configuration
EMI-1	emi_R_1_rc	emi-wms-ui_B_3_3
EMI-2	emi_B_2_dev	emi-wms-ui_B_3_4

Tips and trick

- The basic build environment could not install all the external dependencies required, especially for configuration under development such as EMI-2. The checkout operation notifies all the missing dependencies; these dependencies must be installed by hand.

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