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# How to Install CMSSW on Ubuntu

**No support provided. Use at your own risk!**

## System

- Laptop: Dell Latitude E6500
- OS: Kubuntu 8.04 (64 bit)
- Shell: BASH
- Memory: 4 Gb
- CPU: Intel Core2 Duo T9400 @ 2.53GHz

## One time initialization of the software area (LCG style)

- Choose and create installation directory, for example

```
mkdir -p $HOME/local/cmssoft/cms
```

- Set environment variables:

```
export VO_CMS_SW_DIR=$HOME/local/cmssoft/cms
```

```
export SCRAM_ARCH=slc4_ia32_gcc345
```

```
export LANG="C"
```

- Download the `bootstrap.sh` script which is used to setup and initialize a CMS software area:

```
wget -O $VO_CMS_SW_DIR/bootstrap.sh http://cmsrep.cern.ch/cmssoft/cms/bootstrap.sh
```

- This set depends on a directory `/tmp/$USER` being already present. If not

```
mkdir /tmp/$USER
```

- Initialize software area:

```
bash -x $VO_CMS_SW_DIR/bootstrap.sh setup -path $VO_CMS_SW_DIR -arch $SCRAM_ARCH -unsupport
```

```
source $VO_CMS_SW_DIR/$SCRAM_ARCH/external/apt/*/etc/profile.d/init.sh
```

```
apt-get update
```

## Links

- CMS TWiki: Installing software using apt
- Andre Holzner Notes on running CMSSW on ubuntu hardy heron

-- YuriyPakhotin - 24 Nov 2008

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This topic: Main > CMSSWUbuntuInstallation

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