**Steps to Install Xilinx ISE Webpack 11.1 on Ubuntu 9.10**

Download and Install Xilinx ISE WebPACK 11.1 from Xilinx Website:  
http://www.xilinx.com/support/download/

(Careful: download ISE WebPACK, not ISE Design Suite)

```
cd ~/Downloads

tar xvf Xilinx_11.1_WebPack_SFD.tar

cd Xilinx_11.1_Webpack_SFD/bin/lin

sudo ./xsetup
```

Follow the Installation Wizard.

Install the software in `/opt/Xilinx/11.1`

Make sure to do not install the Xilinx's Drivers. They are proprietary and support only Linux RedHat and Suse

Once you are done installing and Updating Xilinx ISE WebPack 11.1 do the following steps to get the drivers:

```
sudo apt-get install gitk git-gui libusb-dev build-essential libc6-dev fxload
cd /opt/Xilinx

sudo git clone git://git.zerfleddert.de/usb-driver

cd usb-driver/

If you have a 64 bit cpu:
sudo make lib32

If you have a 32 bit cpu:
sudo make

export LD_PRELOAD=/opt/Xilinx/usb-driver/libusb-driver.so

sudo cp /opt/Xilinx/11.1/ISE/bin/lin/xusbdfwu.rules
/etc/udev/rules.d/xusbdfwu.rules

If you are using Ubuntu 9.10 open the file
/etc/udev/rules.d/xusbdfwu.rules
and change all upper case TEMPNODE to lower case tempnode

sudo cp /opt/Xilinx/11.1/ISE/bin/lin/xusb*.hex /usr/share/

sudo /etc/init.d/udev restart

echo "PATH=\$PATH:/opt/Xilinx/11.1/ISE/bin/lin" >> ~/.bashrc

source ~/.bashrc
```

Finally, everything should be up and running. To invoke Xilinx WebPack just type:  ise &