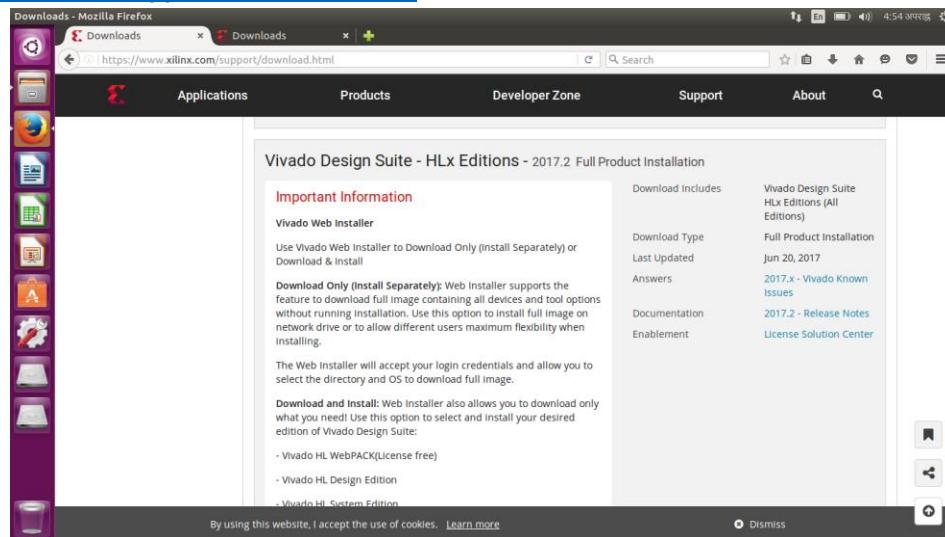


Download & Install VIVADO 2017.2 or Later Version on Linux [Ubuntu 16.04 LTS or 14.04 LTS]-Tutorial

Here are the Steps:

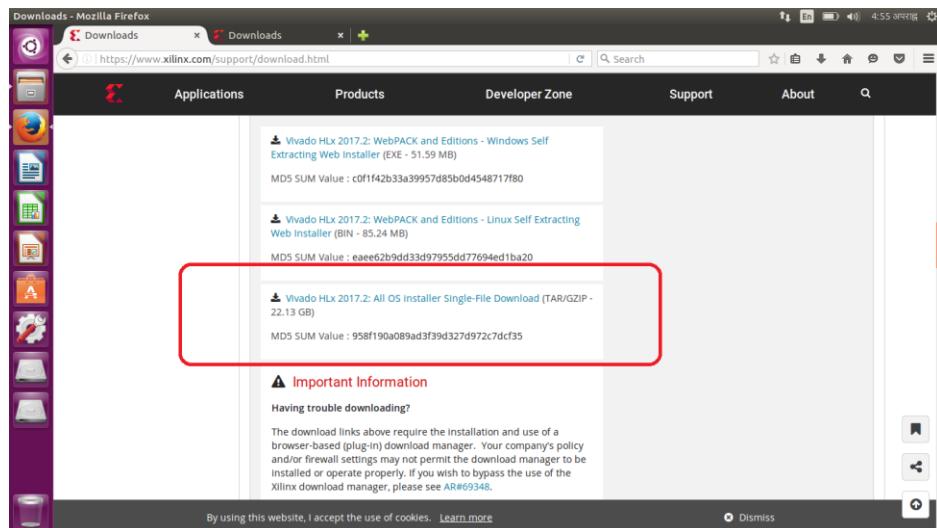
1. Goto [Xilinx.com/support/download.html](https://www.xilinx.com/support/download.html)



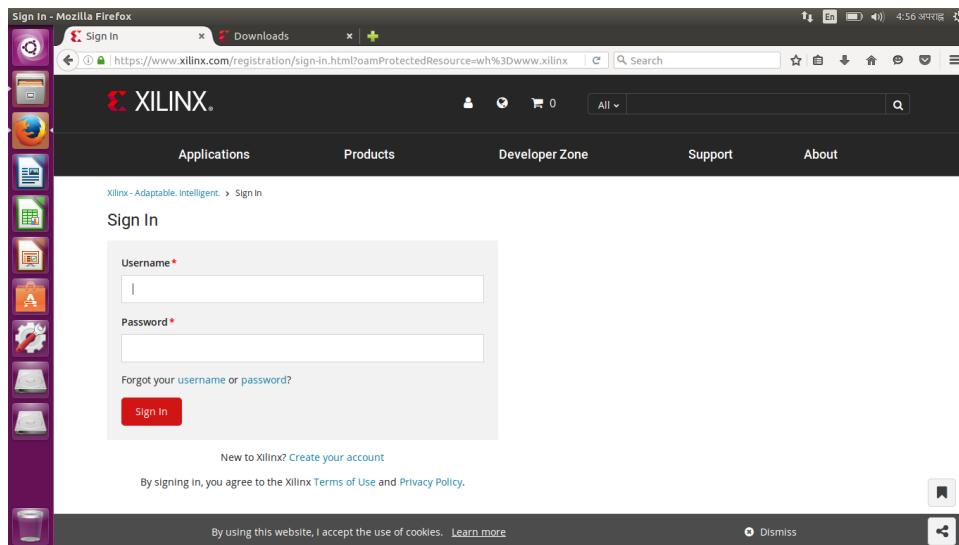
2. Select the appropriate version of Vivado.

- Goto your required version of Vivado or select latest one.
- Find the section “Vivado Design Suite - HLx Editions - 2017.2 Full Product Installation”
- And find “ [Vivado HLx 201x.x: All OS installer Single-File Download](#)”

As example we are having this: “ [Vivado HLx 2017.2: All OS installer Single-File Download](#) (TAR/GZIP - 22.13 GB)

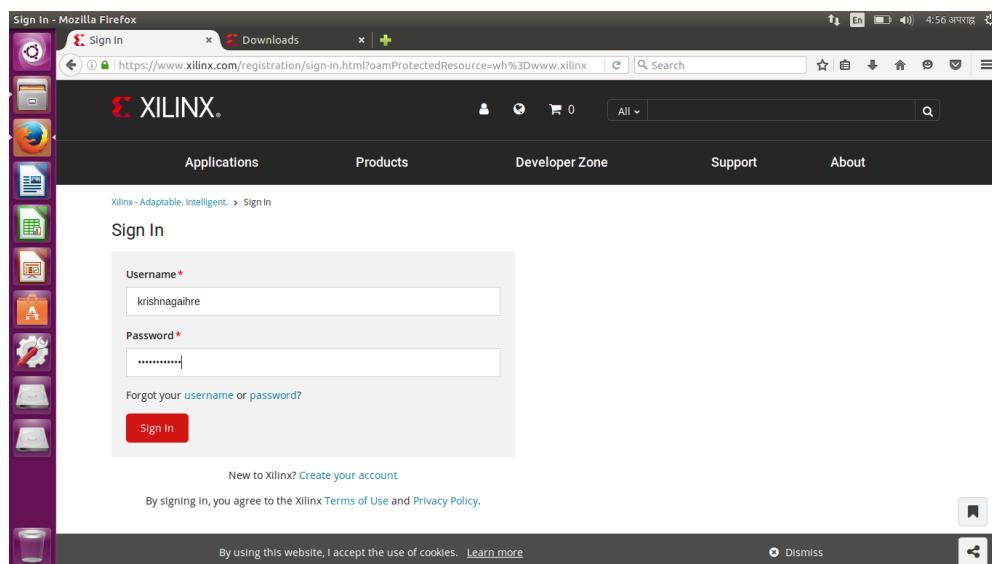


- Now click on the Vivado version link as shown on the above figure. It will redirect you to user login page as shown below:

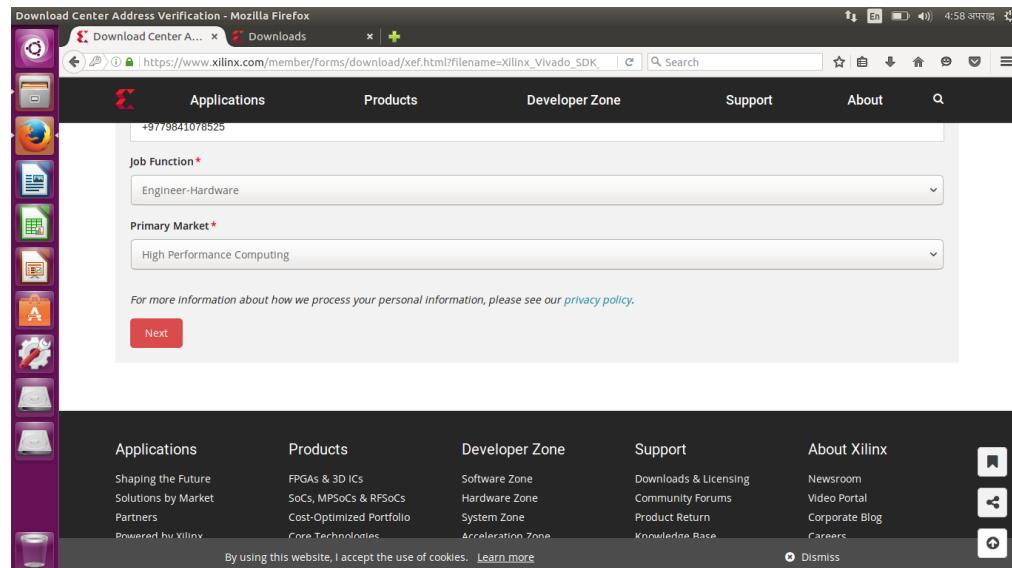


- e. If you already have user name on Xilinx.com then place the details on the sign in form.

If you don't have user name on Xilinx.com then **right click on Create Your Account section and open in new tab**, you just need an email [any email address] and some details for creating username. Make a username, verify it by clicking verification link on email and then again went to previous link and sign in.

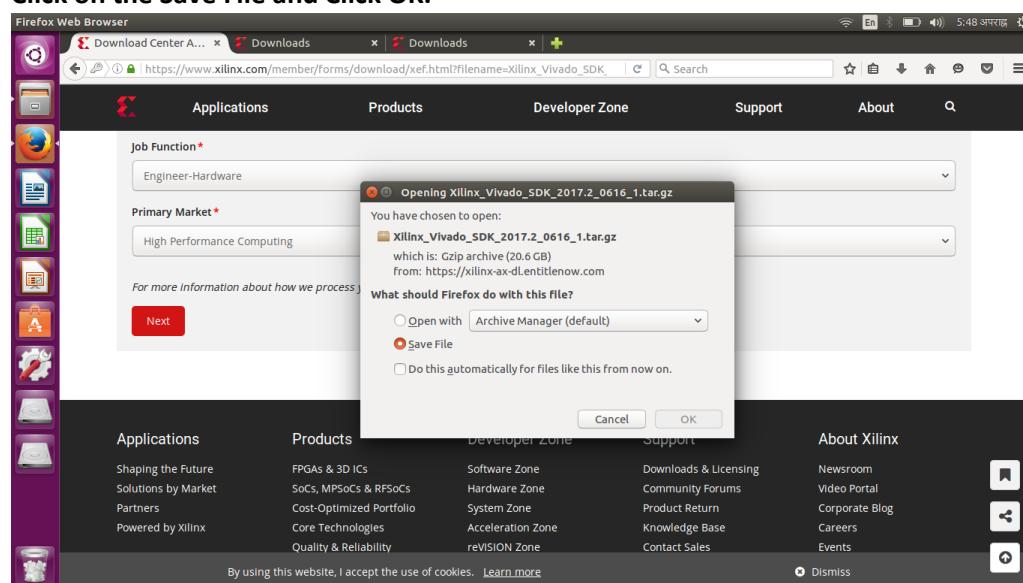


- f. After click “sign in” on the above form, Fill the necessary details on the form which have * sign on side [necessary]. And Click Next



- g. Now you will get the download Option of the VIVADO as:

Click on the Save File and Click OK.



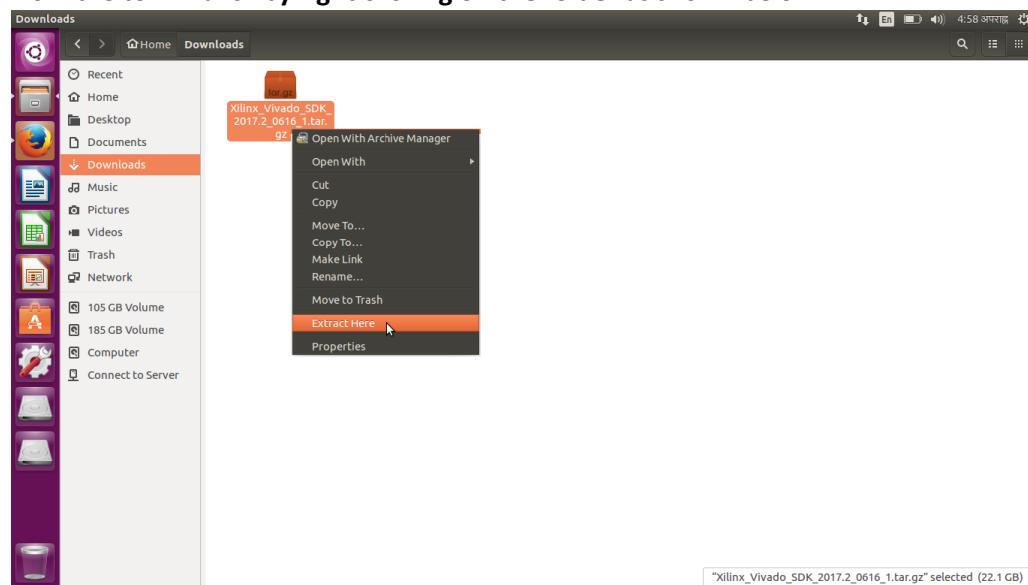
It will take little time to download this 20.06 GB file as your network speed.

- h. After Download you will get the download file [.tar.gz file] at download [on your download directory of browser].

If download on other place, please copy it to “**Downloads**” folder [because we will insert some command on another section assuming you have tar.gz file on download].



- i. Now let's extract that ".tar.gz" file on same place "**Downloads**". Extraction can be done from the terminal or **by right clicking on the folder** as shown below:



- j. After Extraction you will get the file as below:



3. Now we are ready for the installation of VIVADO 2017.2 on Ubuntu 2016.04 LTS

See the Section below: **“Install VIVADO 2017.2 or Later Version on Linux [Ubuntu 16.04 LTS or 14.04 LTS]-Tutorial”**

Install VIVADO 2017.2 or Later Version on Linux [Ubuntu 16.04 LTS or 14.04 LTS]-Tutorial

This installation Steps can be detailed as follows:

Note: this tutorial is made up with the Ubuntu 16.04 LTS and VIVADO 2017.2, however this steps will works on most of Linux Distro's and any version of VIVADO [having Full OS Download Installer].

1. Open the Terminal and Go to Downloads



```
ubuntu@ubuntu-Presario-CQ43-Notebook-PC: ~/Downloads/Xilinx_Vivado_SDK_2017.2_0616_1
ubuntu@ubuntu-Presario-CQ43-Notebook-PC:~$ cd Downloads
ubuntu@ubuntu-Presario-CQ43-Notebook-PC:~/Downloads$ ls
Xilinx_Vivado_SDK_2017.2_0616_1 Xilinx_Vivado_SDK_2017.2_0616_1.tar.gz
```

Copy command from here:

```
$cd Downloads
```

2. Make a directory on the /opt/ and make it read writeable,



```
ubuntu@ubuntu-Presario-CQ43-Notebook-PC:~/Downloads$ sudo mkdir /opt/Xilinx
[sudo] password for ubuntu:
ubuntu@ubuntu-Presario-CQ43-Notebook-PC:~/Downloads$ sudo chmod -R 777 /opt/Xilinx
```

Copy command from here:

```
$sudo mkdir /opt/Xilinx
$sudo chmod -R 777 /opt/Xilinx
```

3. Now Go to the Extracted folder inside the Downloads,



```
ubuntu@ubuntu-Presario-CQ43-Notebook-PC:~/Downloads$ cd Xilinx_Vivado_SDK_2017.2_0616_1
```

Copy command from here:

```
$cd Xilinx_Vivado_SDK_2017.2_0616_1
```

4. Now run the installation file for starting the installer

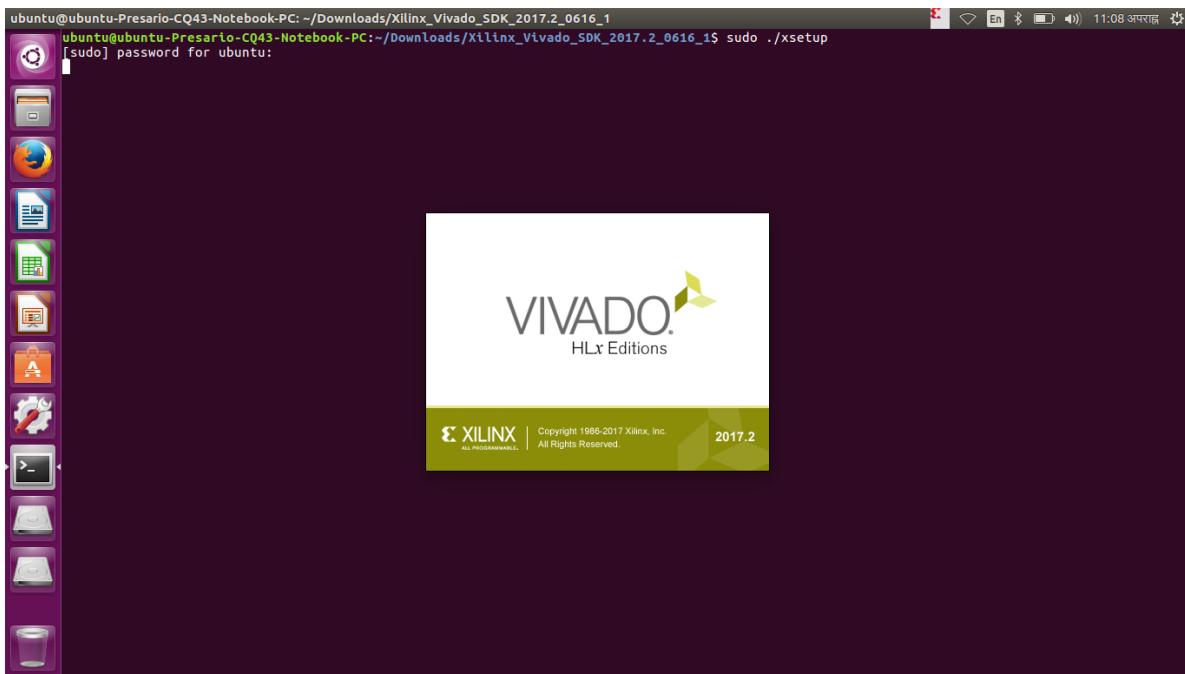


```
ubuntu@ubuntu-Presario-CQ43-Notebook-PC:~/Downloads/Xilinx_Vivado_SDK_2017.2_0616_1$ sudo ./xsetup
INFO : Log file location - /root/.Xilinx/xinstall/xinstall_1530351537605.log
```

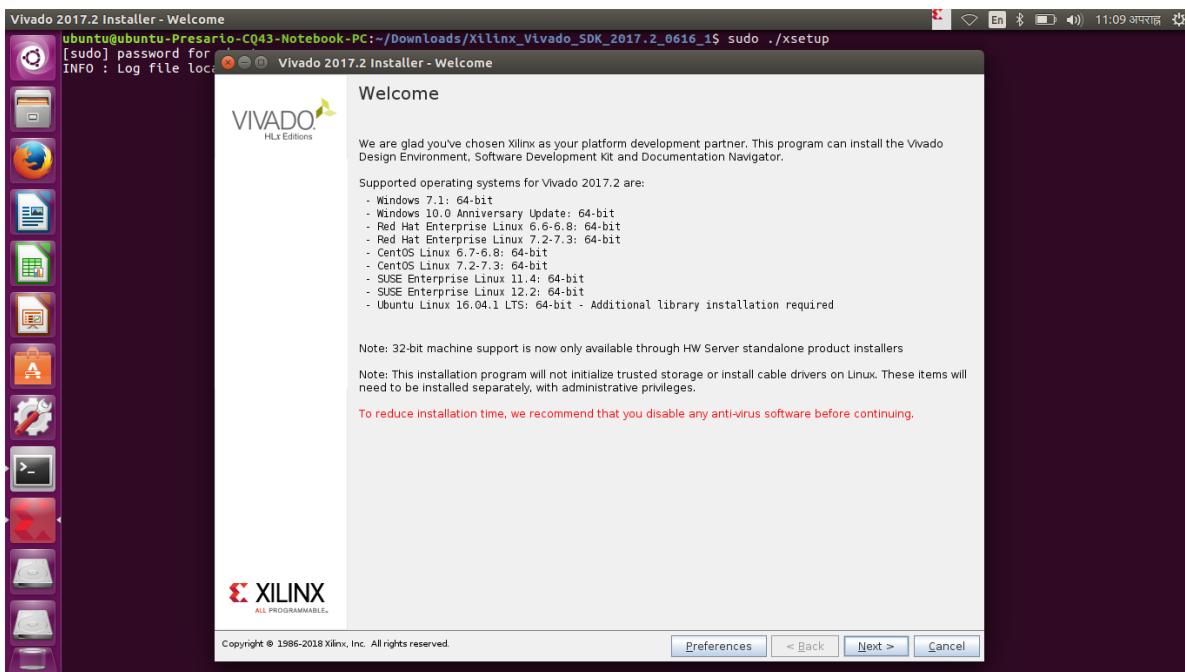
Copy command from here:

```
$sudo ./xsetup
```

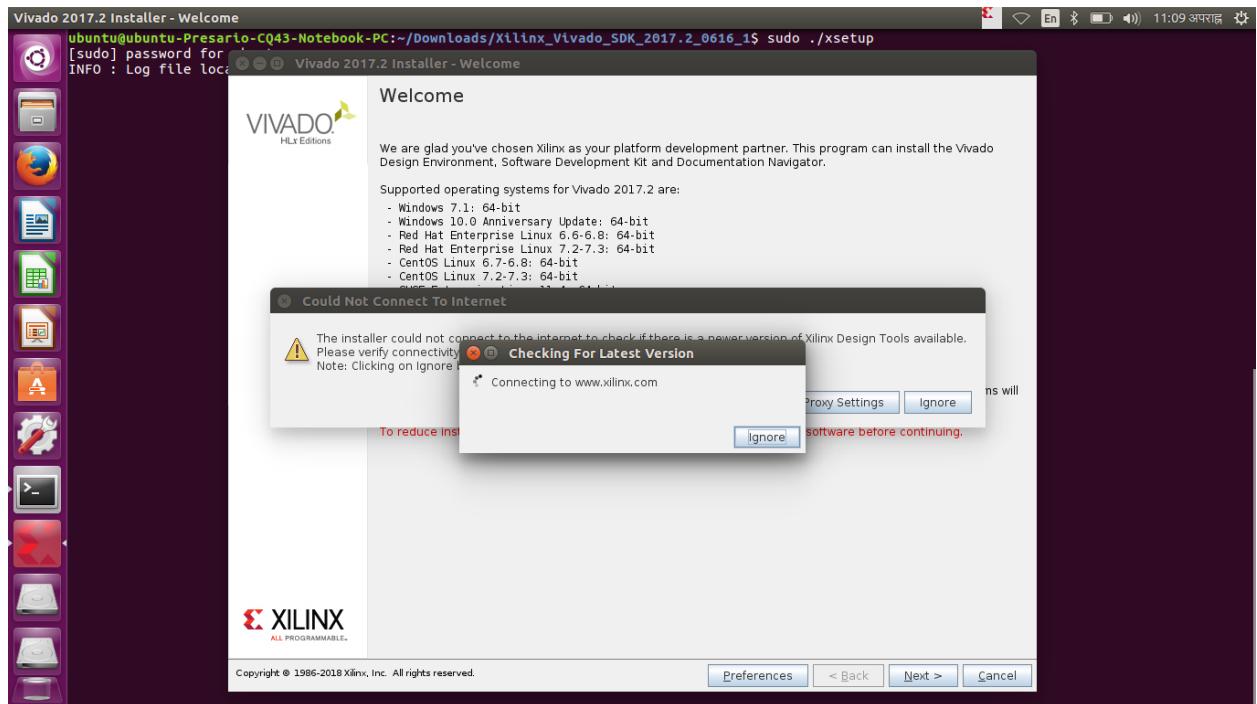
Now the installer will open.



Then you will get welcome window:

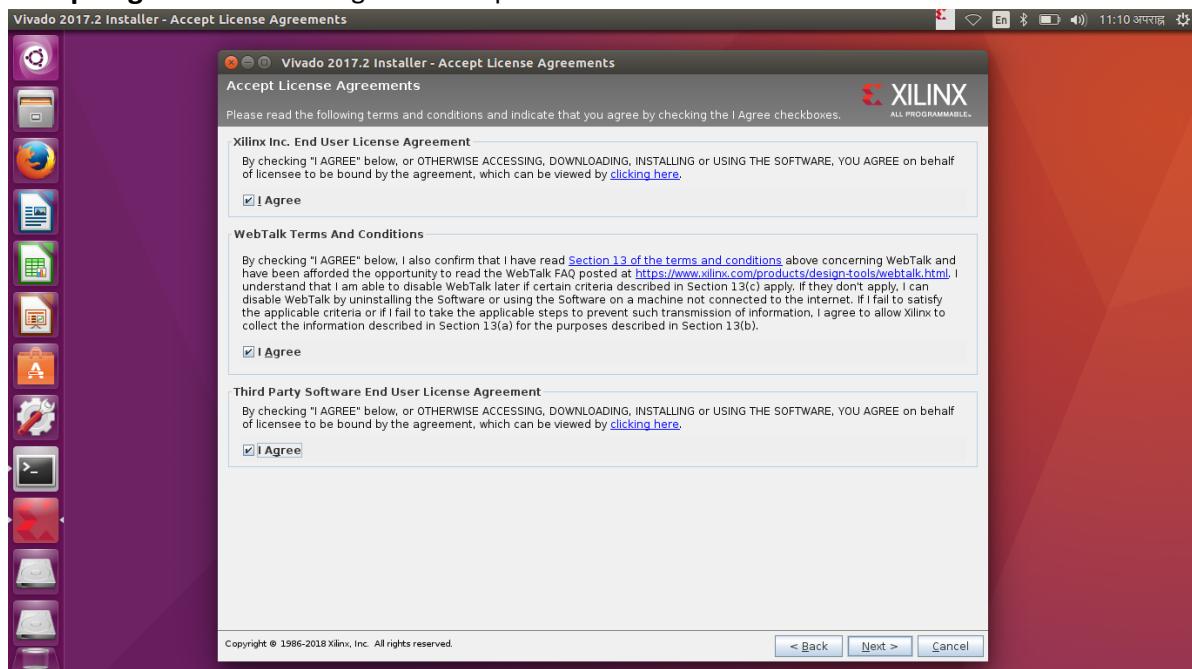


When you get the Latest Version option, click on ignore:

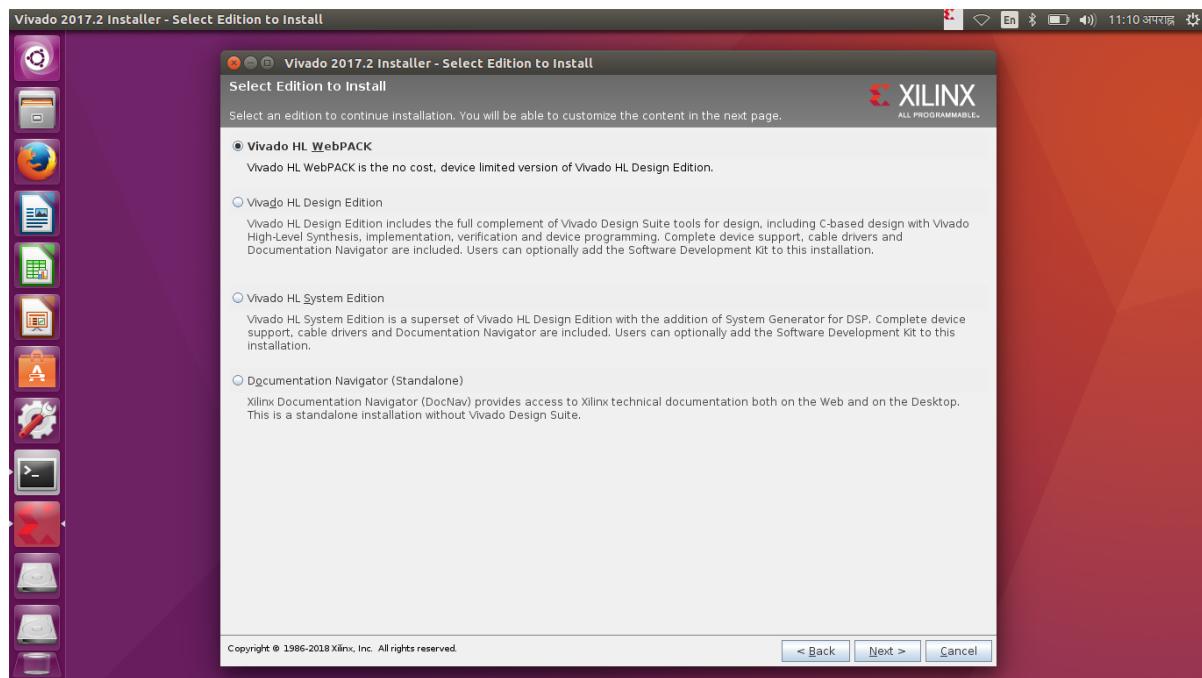


Now do Next.

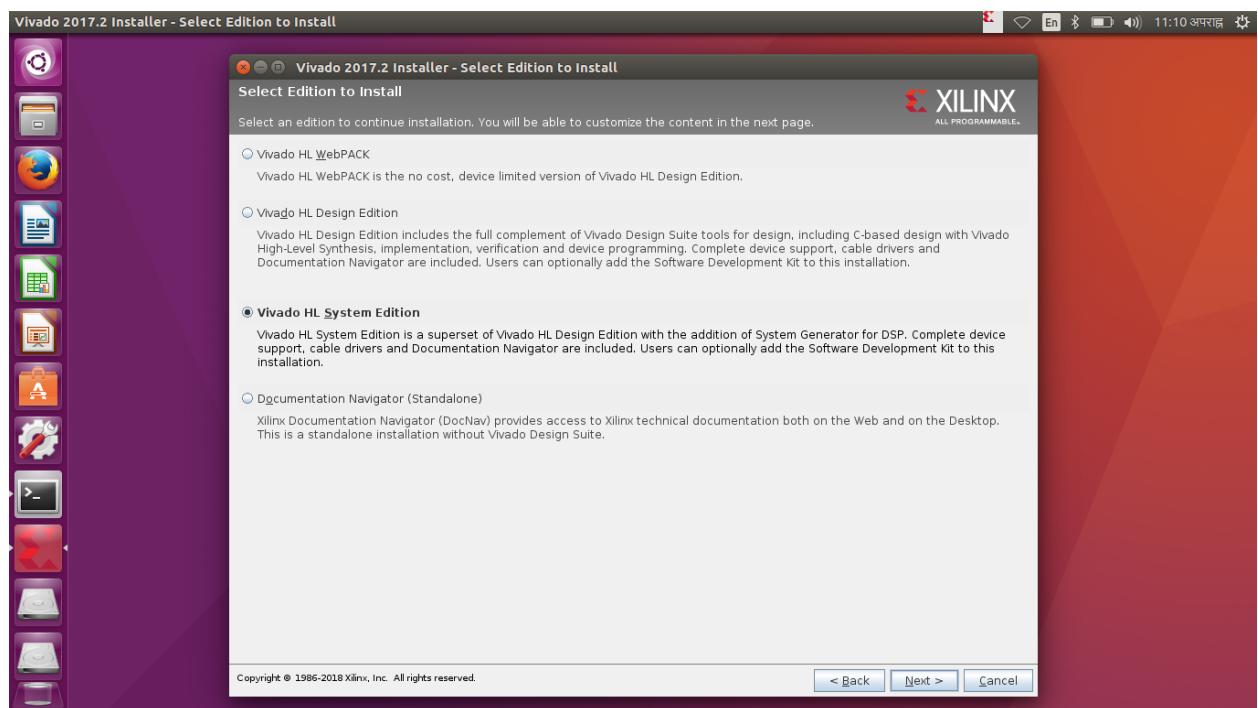
5. Accept-Agree the License Agreement Option and Do Next



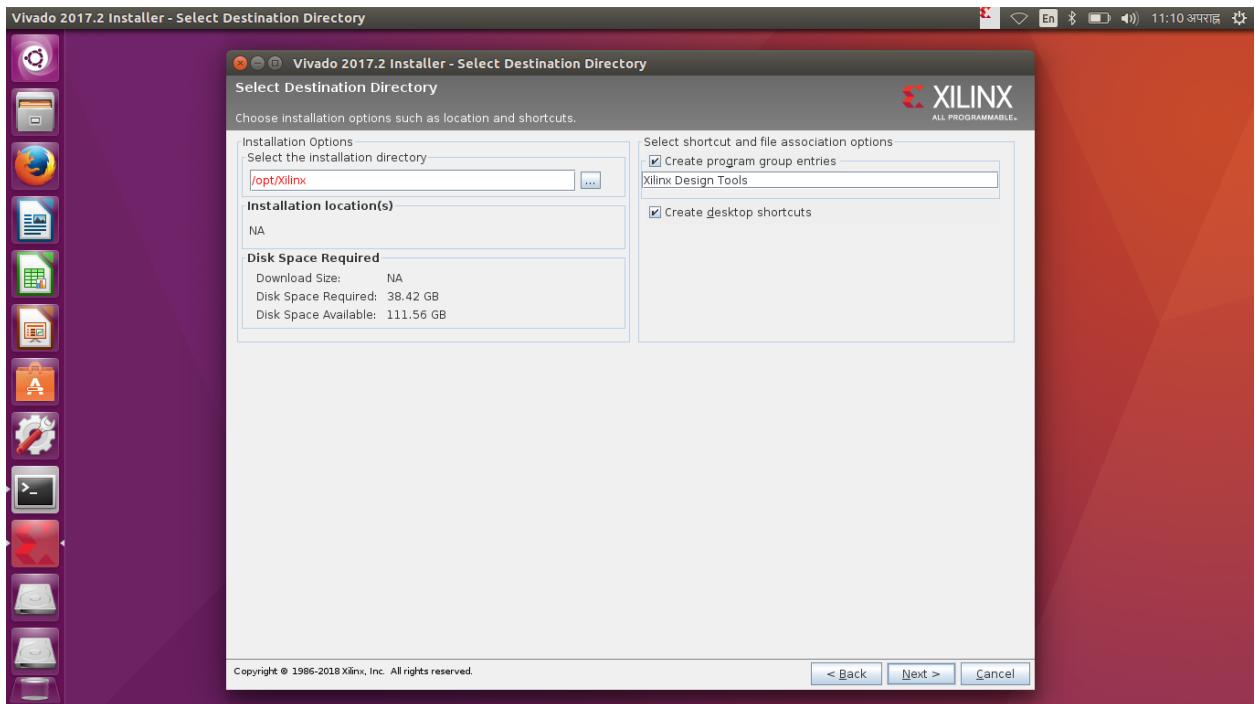
- Now if you want to install very limited feature of VIVADO then **Select VIVADO_HL_Webpack**. If you want to have many features [and also have some ~40 GB memory space on Ubuntu] then select the System Edition of Vivado. **We will show you about how to get free 30 day evaluation of VIVADO for System Edition.**



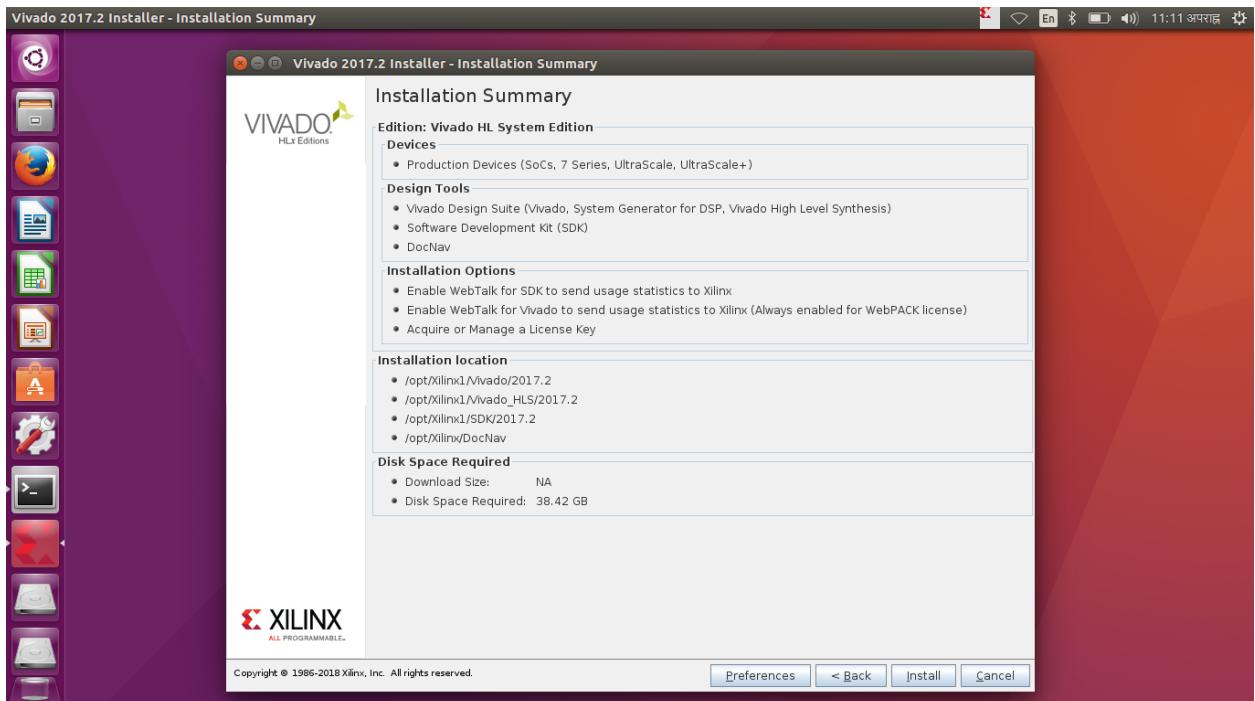
Or



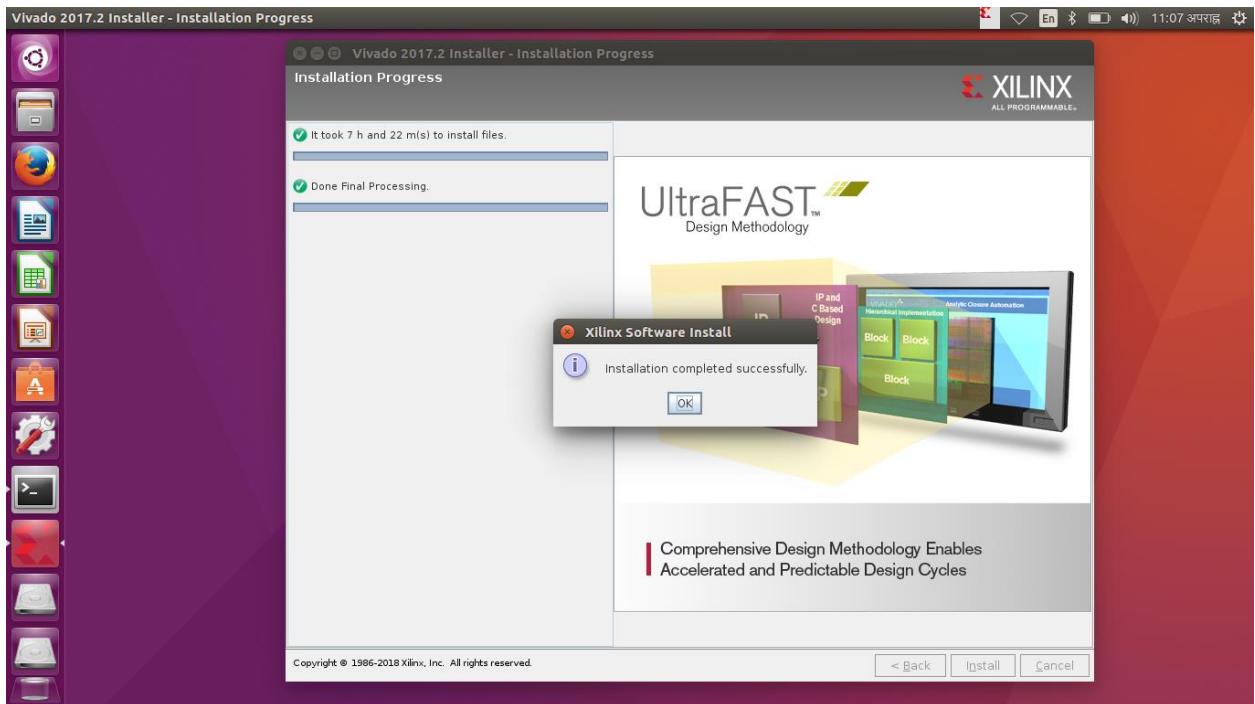
7. Now select “Next”



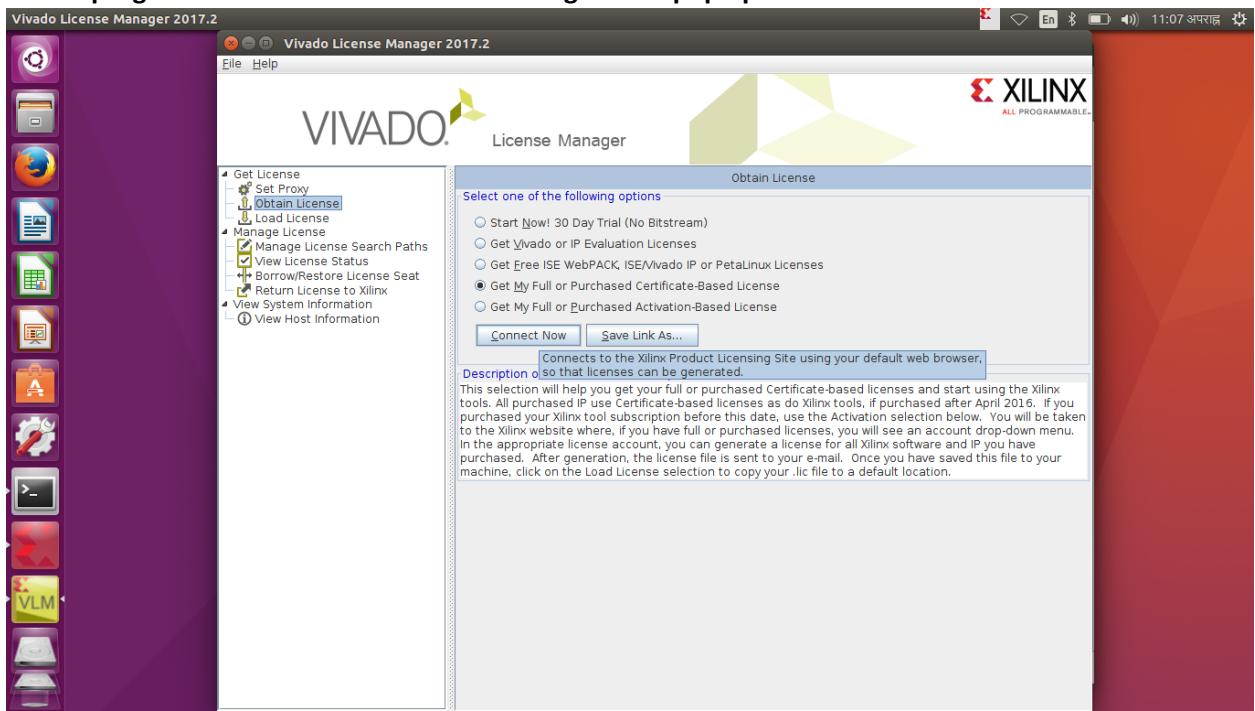
8. Now Summary will be shown. Click “Install” and wait for some 15-20 minutes.



9. After Installed successfully you will get following message:



10. Now a program called “VIVADO License Manager” will pop up.



11. Just close this “Vivado License Manager” for now, we will have “How to get 30 day evaluation license tutorial on later section”.

How to Get 30 Day evaluation License of VIVADO from Xilinx.com, Follow this Digitronix Nepal’s Tutorial [See after slide number 6] : [Link](#)

12. Now for opening VIVADO on the Ubuntu, we need to source the VIVADO “settings64.sh” file.

Now open the Terminal (Ctrl+Alt+t), and write this command:

```
$cd /opt/Xilinx  
$source /opt/Xilinx/Vivado/2017.2/settings64.sh  
$ vivado &
```

For opening VIVADO each time [on later], you have to **open the terminal** and write this command “**vivado &**”. However there may have VIVADO icon the left hand bar or Ubuntu which also works for opening VIVADO.

End of this Tutorial!

So Guys,

Thank you!

for following this tutorial

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www.logictronix.com or www.digitronixnepal.com

For Tutorials on FPGA, direct Link: https://logictronix.com/tutorials/

For Ultra Low Cost Online Course on FPGA : https://logictronix.com/online-courses/

13. References for Similar Tutorial:

For Similar Reference Tutorial Please Visit: Xilinx Tutorial for VIVADO 2014.4 with Ubuntu 2014.04 LTS Syfer Tutorial or UG973 from Xilinx or Zachpfeffer or Github

Or Follow this Links:

- a. Web Installer Download for Linux, Tutorial: Install Vivado HLx 2017.1 WebPACK on Ubuntu 16.04 | Koheron
- b. Installing/Uninstalling Vivado 2017.4 in Ubuntu 16.04 – TechMuse
- c. Installing Vivado on Ubuntu VirtualBox – DLatch
- d. Running Vivado in Ubuntu | Zedboard
- e. Installing Vivado / SDK 2015.2 under Ubuntu 14.04 – allmyzynquits
- f. installing xilinx vivado on linux for linux newbies