



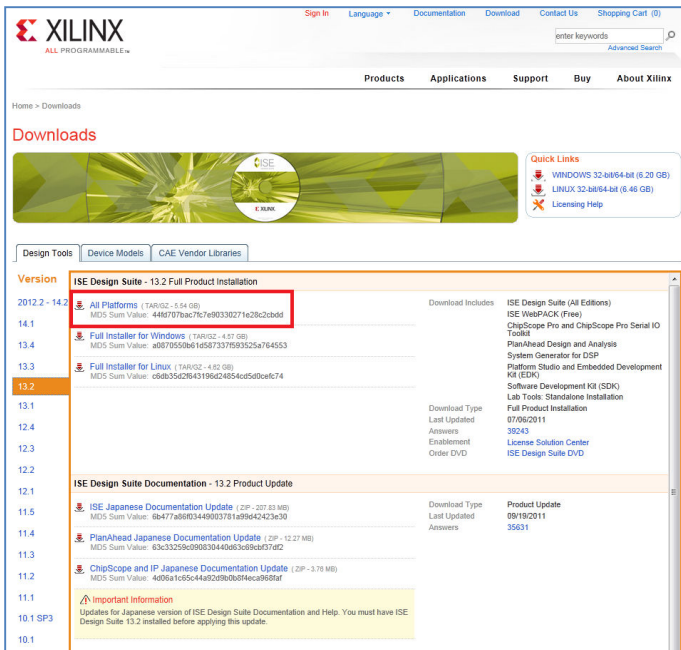
Department of Electrical and Computer Engineering

# **CG3207: COMPUTER ARCHITECTURE**

## **Xilinx ISE WebPACK 13.2 Download and Installation Procedures**

### **Synopsis:**

This manual describes how to obtain the Xilinx ISE WebPACK 13.2 software and license. Xilinx ISE WebPACK 13.2 will be used to write and test VHDL codes. The project for CG3207 involves writing the VHDL codes for the sequencer of an 80C51 processor. These VHDL codes will later be converted into a format that is implementable on an FPGA board.



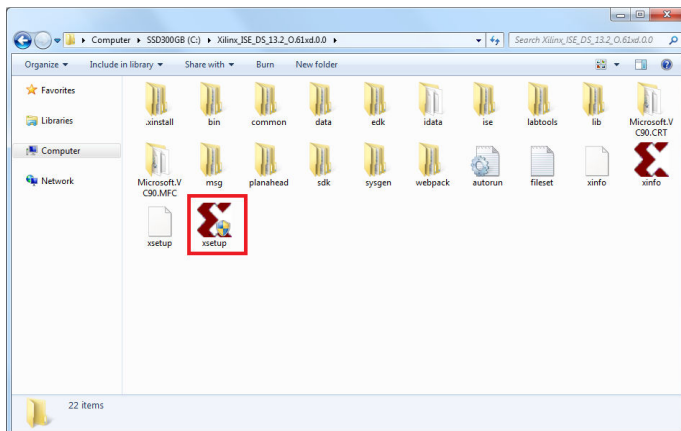
1. Xilinx ISE Design Suite 13.2 is downloadable at:  
**<http://www.xilinx.com/support/download/index.htm>**

The ISE Design Suite 13.2 includes the free ISE WebPACK.  
The download size is about 5.5 GB.  
The unzipped size is about 5.5 GB.  
The minimum installation size is about 12.3 GB.

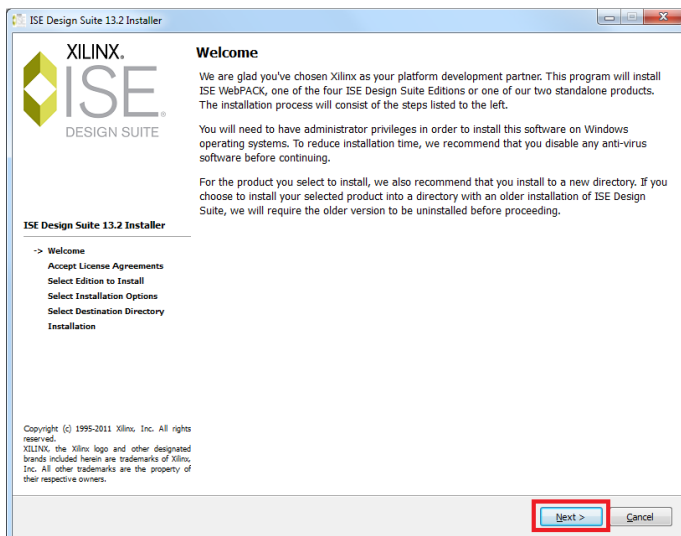
You will need to register online for free to be able to download the file. At least a valid email address is required to obtain a license later on.

The procedures in this document are based on the "All Platforms" download. Windows 7 Professional SP1 64 Bits is used and the screenshots and procedures will differ depending on hardware and operating system used.

The ISE Design Suite 13.2 will be available in the DSA lab if downloading the file is an issue. Bring a removable media to copy the file from the lab during your first lab session.

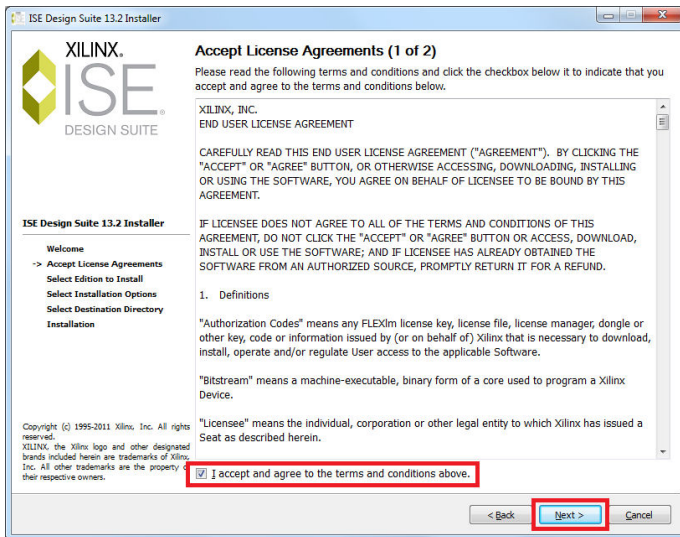


2. After the downloaded file has been unzipped, launch ***xsetup.exe***.

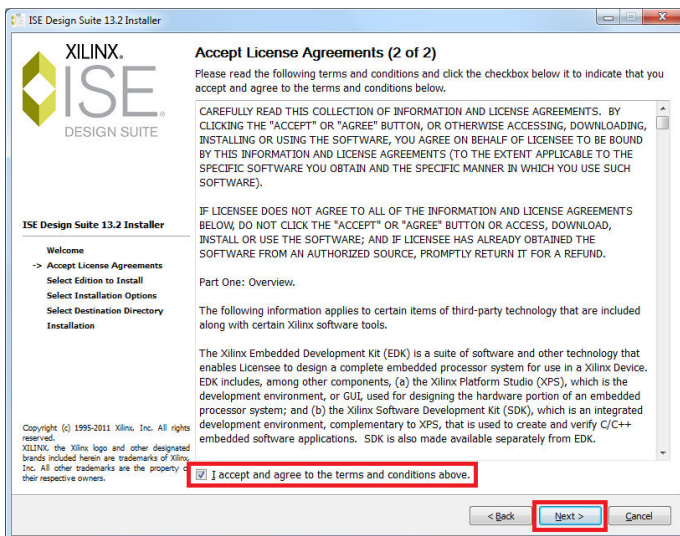


3. Click ***Next***.

4. Accept agreement (1 of 2) and click on **Next**.

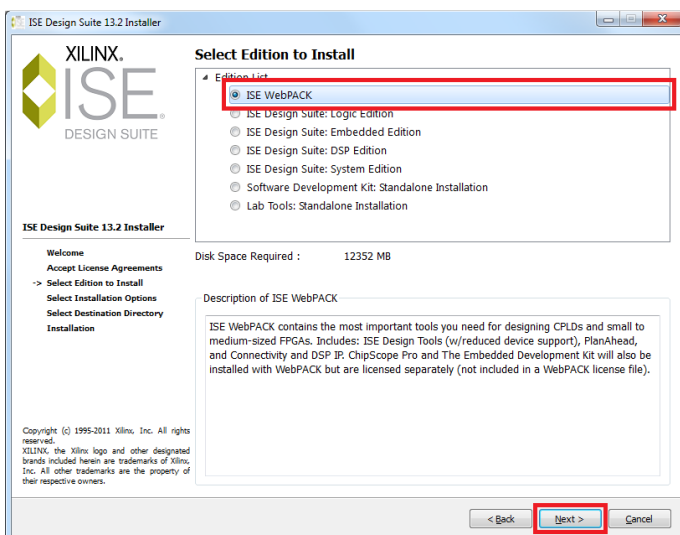


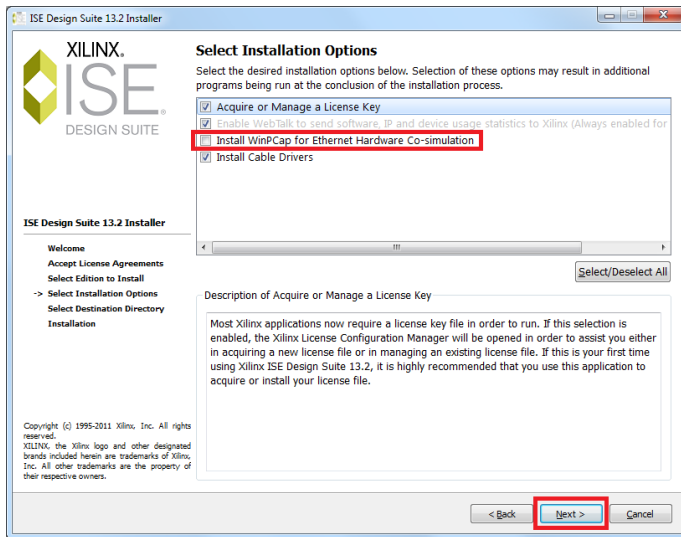
5. Accept agreement (2 of 2) and click on **Next**.



6. Select **ISE WebPACK** and click on **Next**.

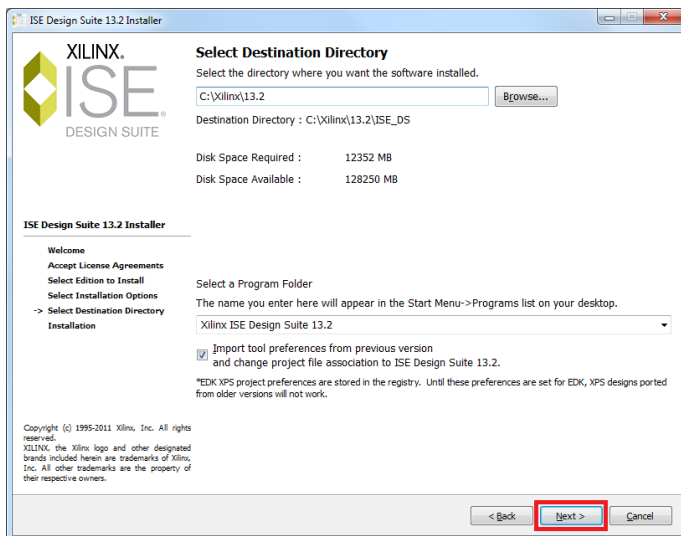
The ISE WebPACK license is free.  
The other options require license purchase.





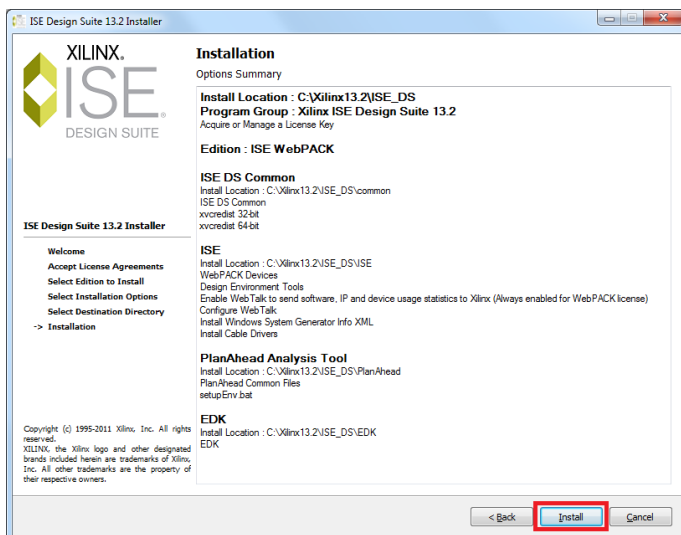
7. Deselect **Install WinPcap for Ethernet Hardware Co-Simulation**. Leave the other three options selected and click on **Next** to continue.

The default option has all four options selected. Ethernet Hardware Co-simulation is not required for CG3207.

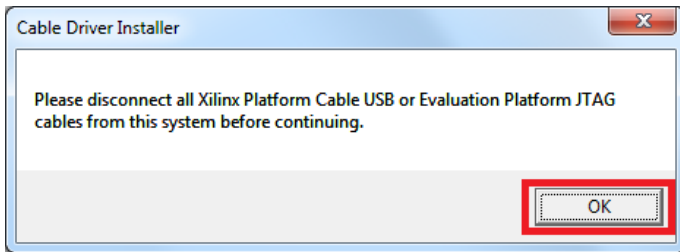


8. Click on **Next**.

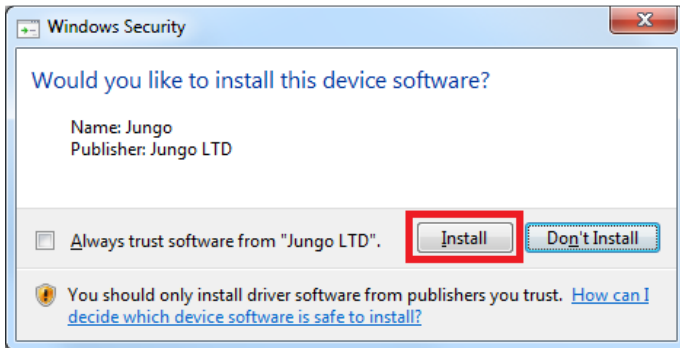
You can change the installation destination directory and Windows Start menu folder in this window if you wish. Or you can use the defaults if you are not sure.



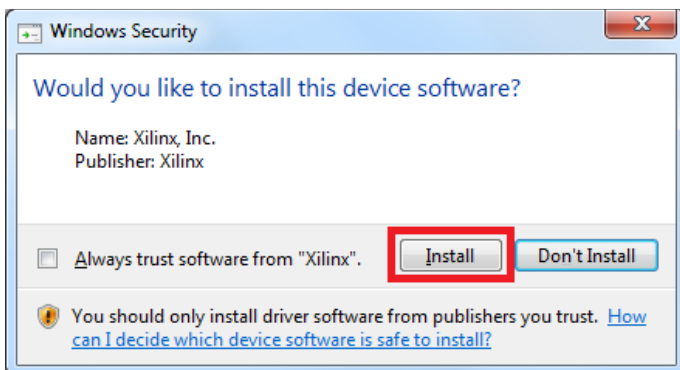
9. Click on **Install** to start the installation.



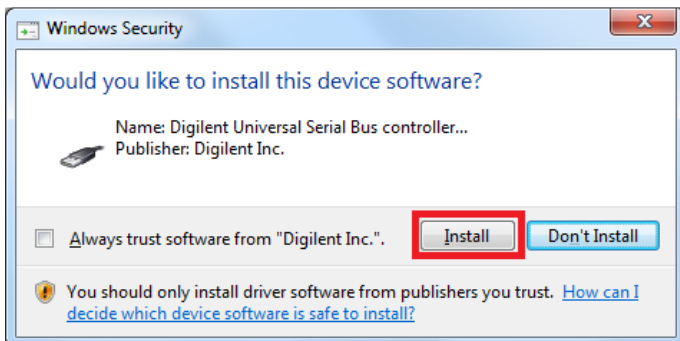
10. Towards the end of the installation, an alert window will be shown for the *Cable Driver Installer*. Ensure that your FPGA and related accessories are not connected to your USB port, and click on **OK** to continue.



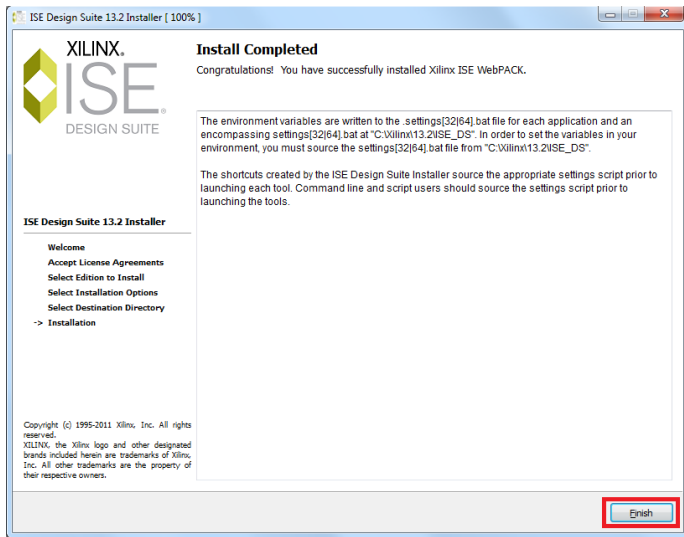
11. Click on **Install** if prompted with this window to continue the Cable Driver Installation.



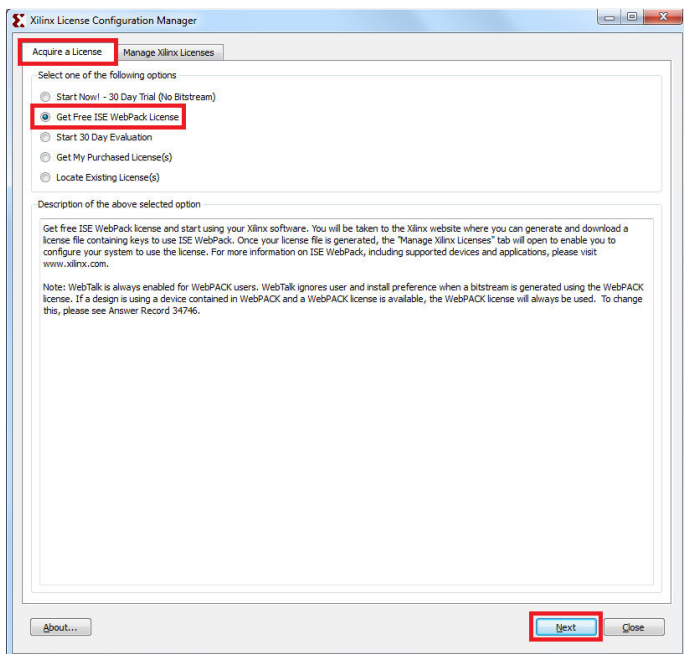
12. Click on **Install** if prompted with this window to continue the Cable Driver Installation.



13. Click on **Install** if prompted with this windows to continue the Cable Driver Installation.



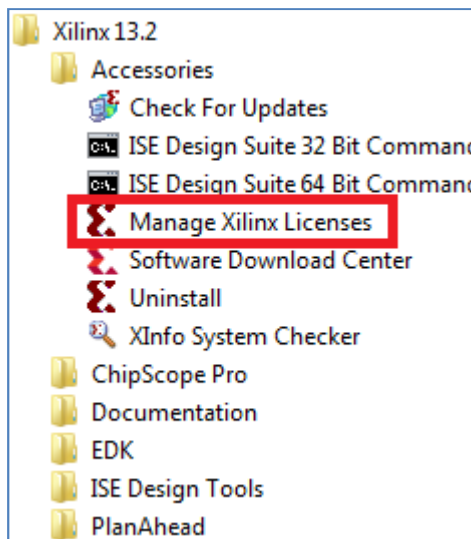
14. When the installation has completed, click on **Finish** to close the window.



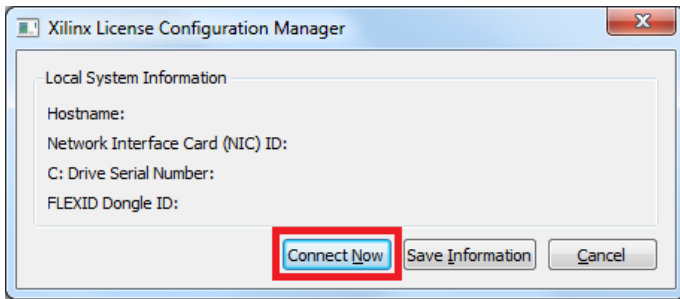
15. You will be presented with a Xilinx License Configuration Manager window. Select **Get Free ISE WebPack License** from the **Acquire a License** tab. Click on **Next** to proceed.

An internet connection is required to obtain the license.

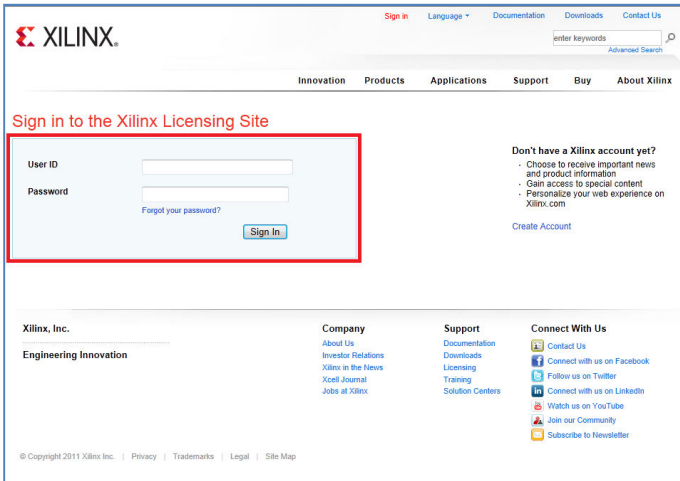
If an **ISE WebPack License** for other versions of Xilinx was previously obtained in a similar manner, and on the same PC, this step and the rest of the steps are not required.



16. In the event the Xilinx License Configuration Manager was closed, it can be located from your Windows Start menu, in the Xilinx Accessories folder.



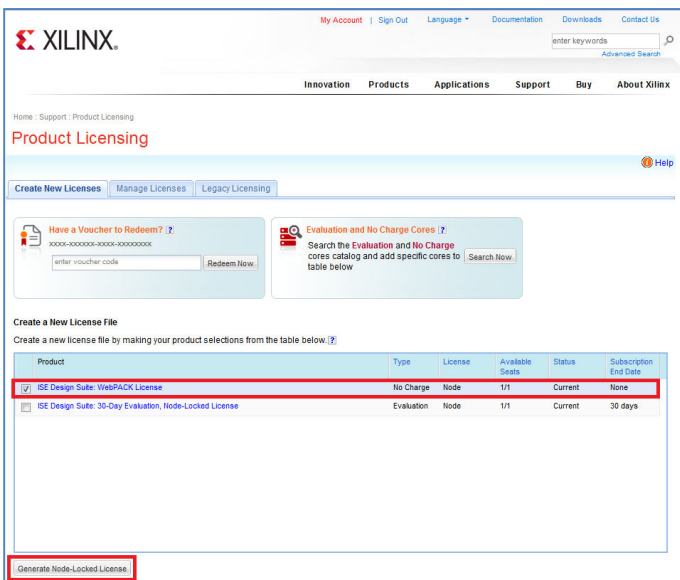
17. Continuing from step 15, a window with information based on your current system will be generated. Click on **Connect Now** to go to the Xilinx website to get a license.



18. Enter your **User ID** and **Password**.

The User ID and Password is created before the installation file can be downloaded, or it can be created now by clicking on **Create Account**.

You will be required to review your personal information after clicking on **Sign In**. Ensure that at least the email address is valid.



19. After reviewing your personal information, this window will be presented. Select **ISE Design Suite: WebPACK License** and click on **Generate Node-Locked License**.

## Generate Node License

Fields marked with an asterisk \* are required.

**1** PRODUCT SELECTION

Product Selections *	Product	Type	Available Seats	Subscription End Date	Requested Seats
<input checked="" type="checkbox"/>	ISE Design Suite: WebPACK License	No Charge	1/1	None	1

**2** SYSTEM INFORMATION

License	Node
Host ID * <a href="#">?</a>	Any

**3** COMMENTS

Comments <a href="#">?</a>	
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 [Reset](#) [Cancel](#)
20. Click on **Next**.

## Generate Node License

**4** REVIEW LICENSE REQUEST

## Product Selections

Product	Subscription End Date	Available Seats	Requested Seats
ISE Design Suite: WebPACK License		1/1	1

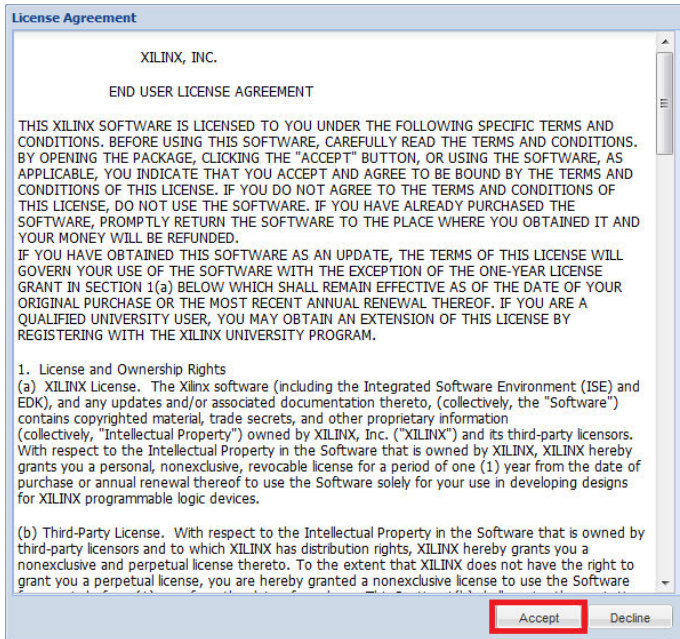
## System Information

License	Node
Host ID	ANY

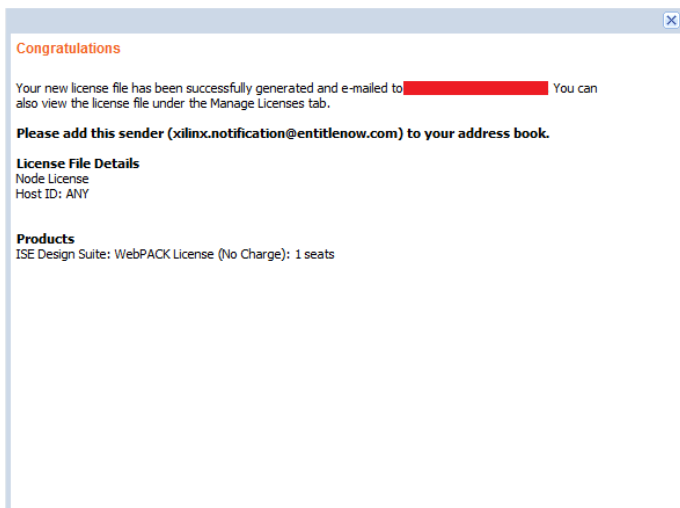
Note: WebTalk is always enabled for WebPACK users. WebTalk ignores user and install preference when a bitstream is generated using the WebPACK license. If a design is using a device contained in WebPACK and a WebPACK license is available, the WebPACK license will always be used. To get additional information on WebTalk, go to [www.xilinx.com/ise/webtalk](http://www.xilinx.com/ise/webtalk).

  [Cancel](#)
21. Click on **Next**.





22. **Accept** the agreement to get the ISE WebPACK license.



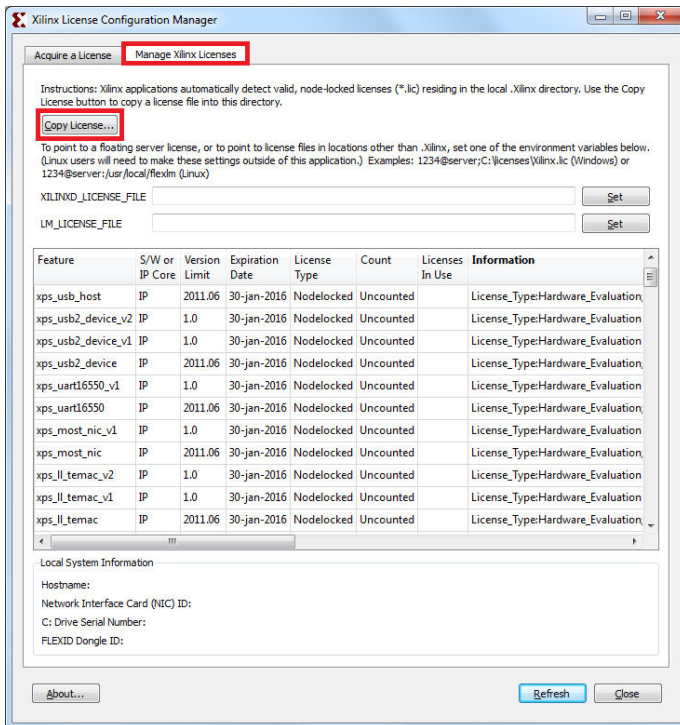
23. The license file will be sent to your email address.

A valid email address should have been provided.

The license file is 1 KB in size.

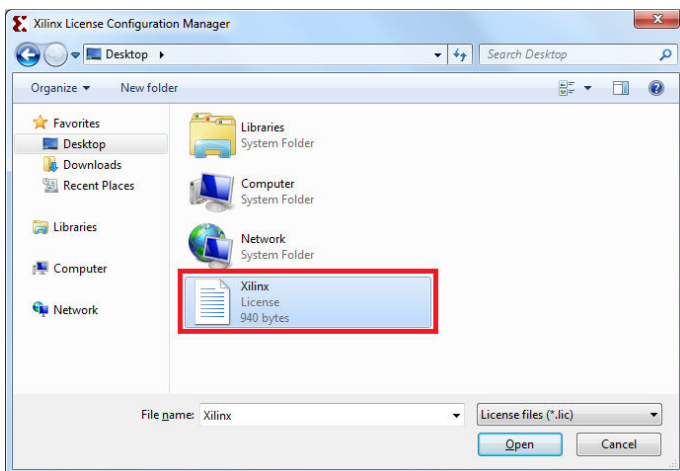
If the license file is not received, check the spam or junk folders of the email address. Sometimes, the license file is sent to these folders.

Follow the email's instructions. In this manual, it is assumed that the license file is saved to the desktop. The subsequent steps are similar to the steps indicated in the Xilinx's email.

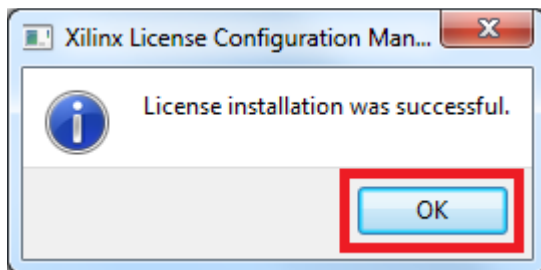


24. Launch the Xilinx License Configuration Manager. Select **Copy License** from the **Manage Xilinx Licenses** tab.

If required, refer to step 16 to get instructions on how to open the Xilinx License Configuration Manager.



25. Move to the desktop folder, select **Xilinx.lic**, and click on **Open**.



26. The license file is now installed and is located in the .xilinx folder. Click on **OK** to close the window.

The license file on the desktop, as depicted in step 25, can now be safely deleted.