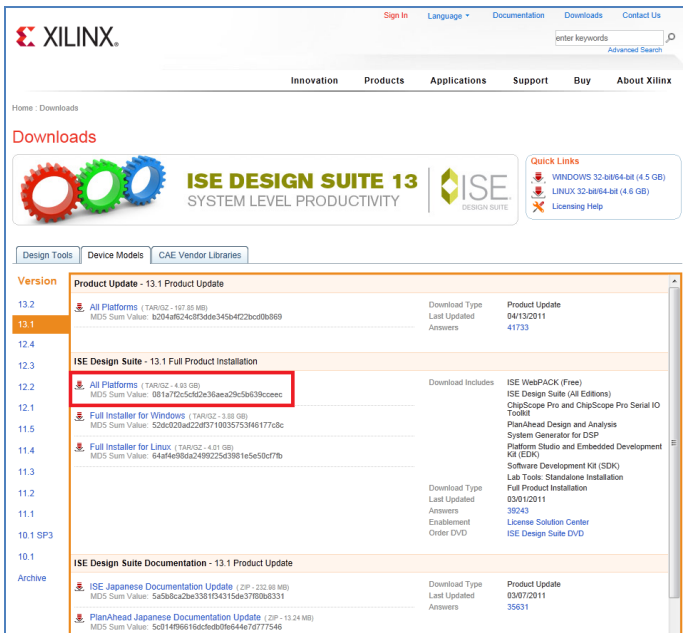




Department of Electrical and Computer Engineering

EE2020: DIGITAL FUNDAMENTALS

**Xilinx ISE WebPACK 13.1
Download and Installation Procedures**



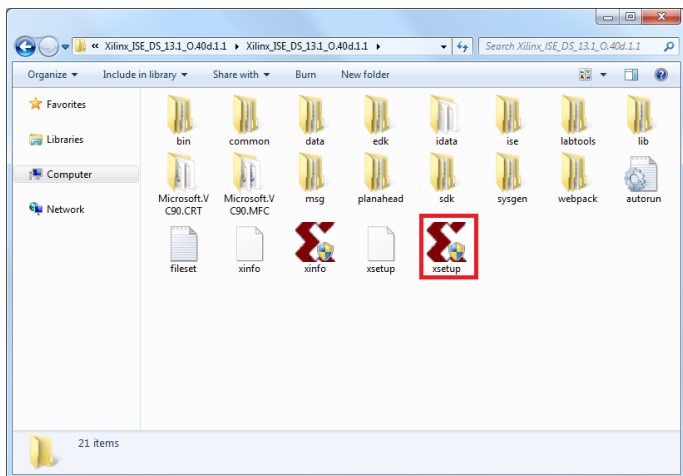
1. Xilinx ISE Design Suite 13.1 is downloadable at:
<http://www.xilinx.com/support/download/index.htm>

The ISE Design Suite 13.1 includes the free ISE WebPACK.
The download size is about 4.9 GB.
The unzipped size is about 4.9 GB.
The minimum installation size is about 11.6 GB.

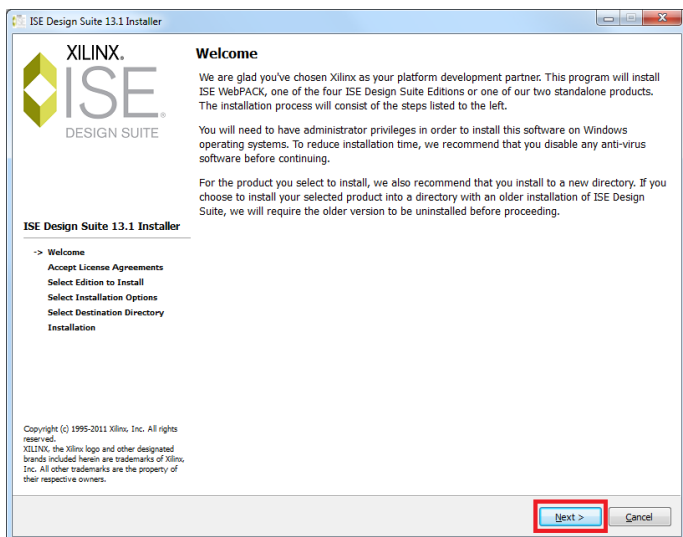
You will need to register online for free to be able to download the file. At least a valid email address is required to obtain a license later on.

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 13.1 will be available in the Digital Electronics lab if downloading the file is an issue. Bring a removable media to copy the file from the lab.

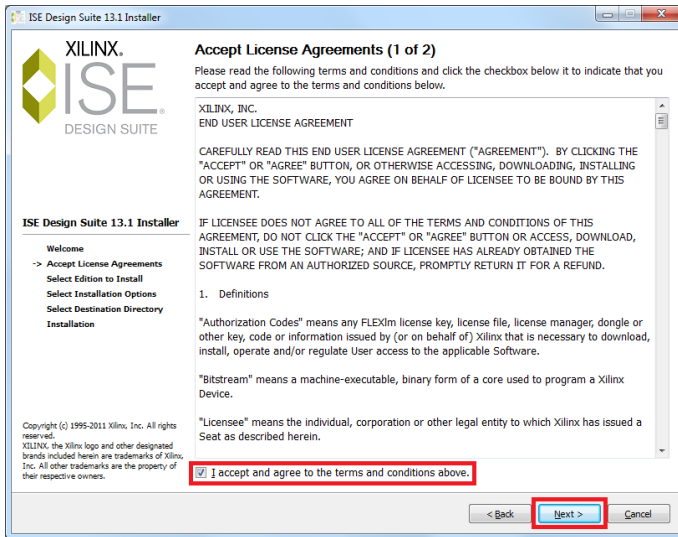


2. After the downloaded file has been unzipped, launch ***xsetup.exe***.

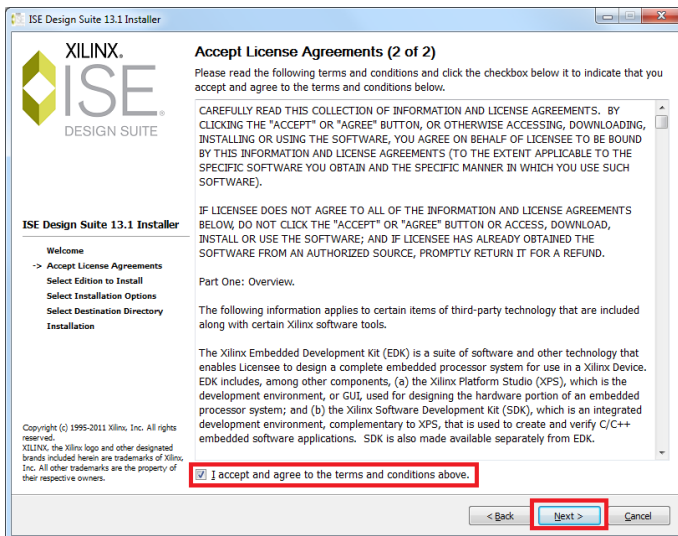


3. Click ***Next***.

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



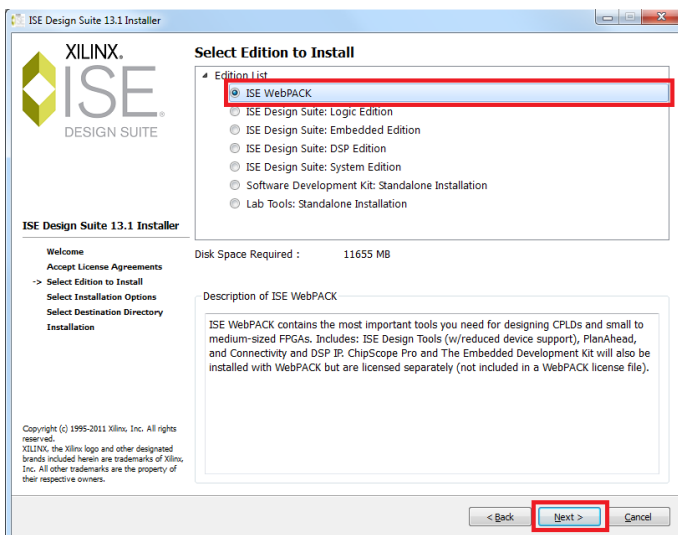
- Accept agreement (2 of 2) and click on **Next**.

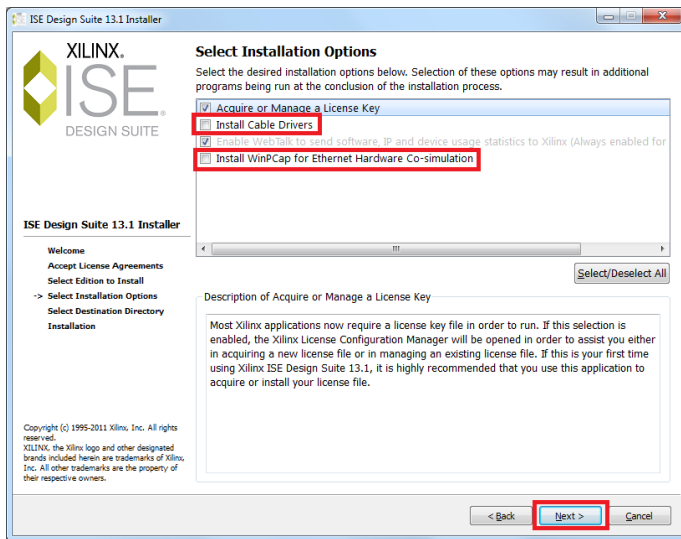


- Select **ISE WebPACK** and click on **Next**.

The ISE WebPACK license is free and is sufficient for the EE2020 module.

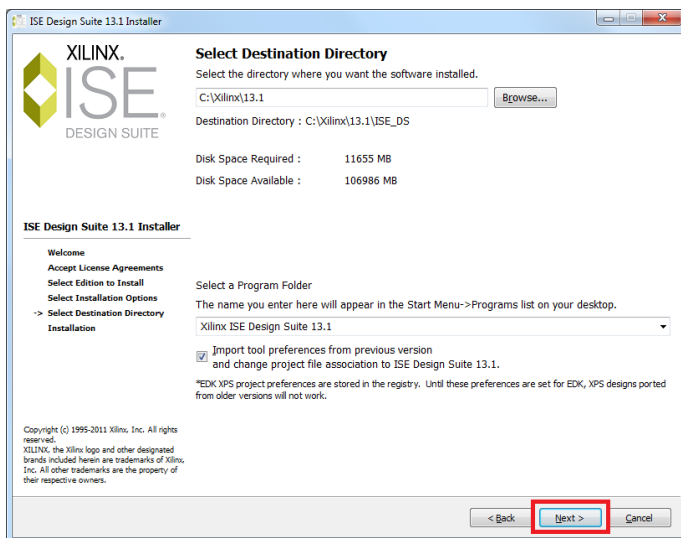
The other options require license purchase. Note that you can also install these other options but you will need to use floating server license to get the functionalities as they are not free. The floating server license is described later on in step 11.





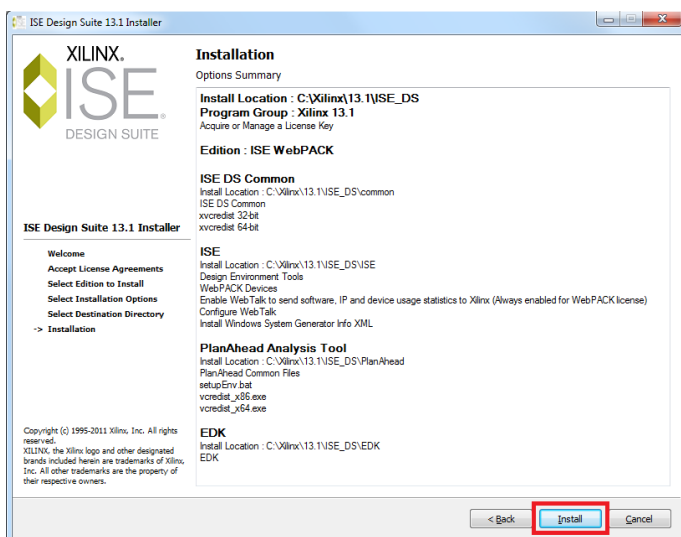
7. Deselect **Install Cable Drivers**. Deselect **Install WinPCap for Ethernet Hardware Co-Simulation**. Leave the other two options selected and click on **Next** to continue.

The default option has all four options selected. Cables Drivers and Ethernet Hardware Co-simulation are not required for EE2020.

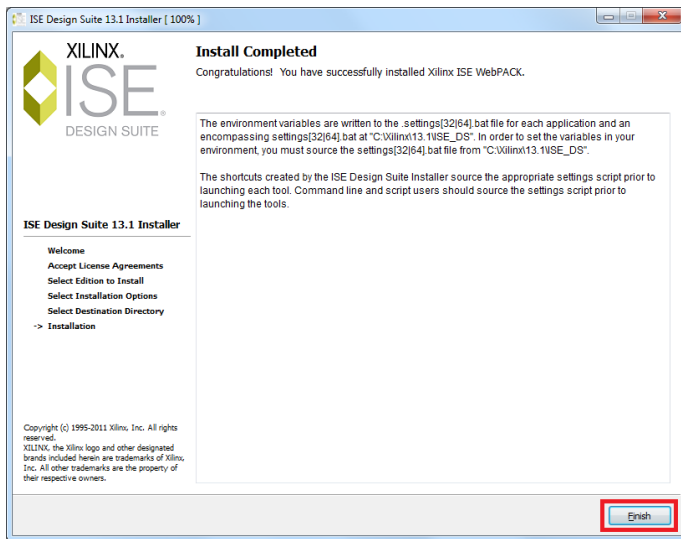


8. Click on **Next**.

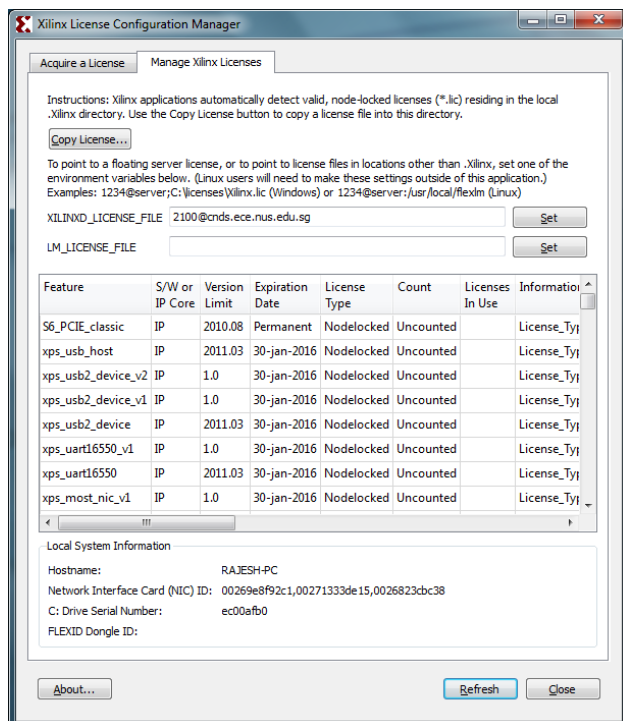
You can change the installation destination directory and Windows Start menu folder in this window if you wish. Or you can use the defaults if you are not sure.



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



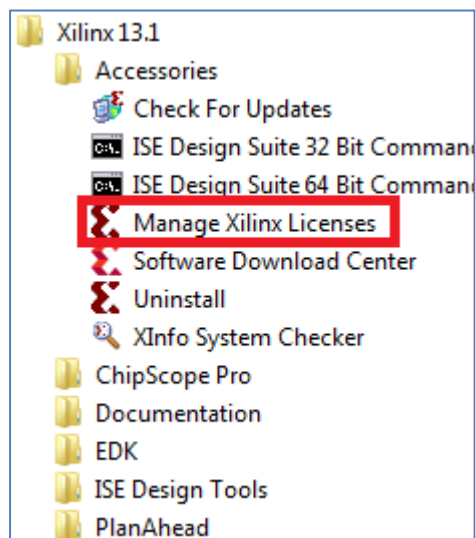
10. When the installation has completed, click on **Finish** to close the window.



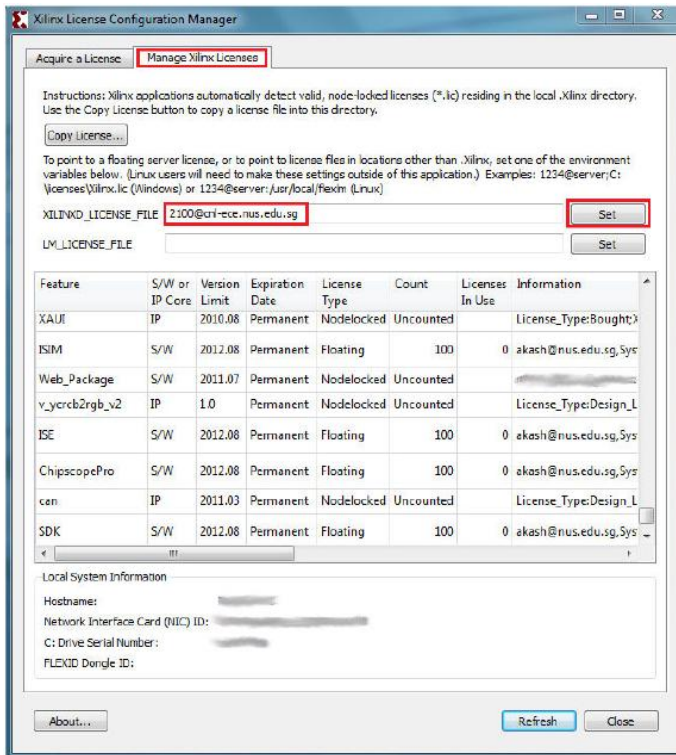
11. When the installation has completed, you will be presented with a Xilinx License Configuration Manager window.

There are two types of license you can use:

- (i) **Floating license:** This will enable you to use the ISE Webpack without downloading the license. However, you will need a VPN connection to NUSNET while working from outside the campus. **Follow step 12 and 13A to Error! Reference source not found.** if you wish to use this type of license.
- (ii) **Free ISE WebPack License:** Xilinx ISE will have limited functionalities but NUS WebVPN is not required. The ISE WebPack license is sufficient for the EE2020 module. **Follow step 12 and 14B to 23B** if you prefer to use this type of license.



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

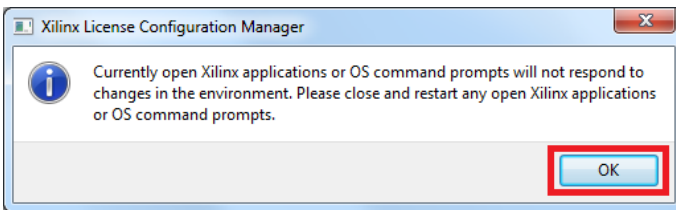


- 13A. For floating server license, select the **Manage Xilinx Licenses** tab. In the **XILINXD_LICENSE_FILE** field, enter:

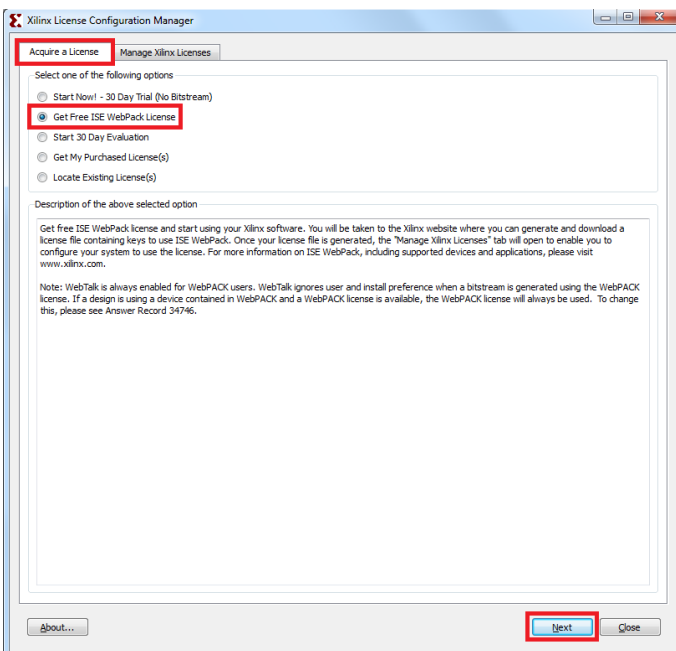
2100@cn1-ece.nus.edu.sg

Click on **Set** to locate the license. Note that if you are outside NUS campus, you will need to use NUS WebVPN. The NUS WebVPN can be found at:

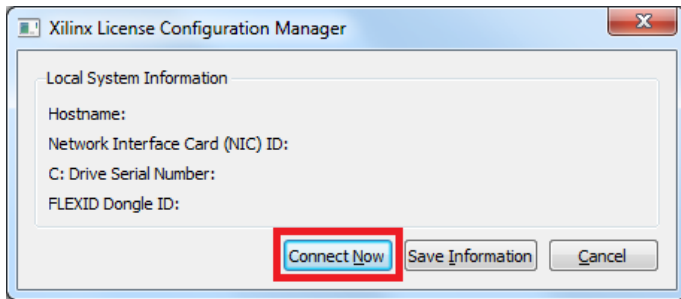
<http://webvpn.nus.edu.sg>



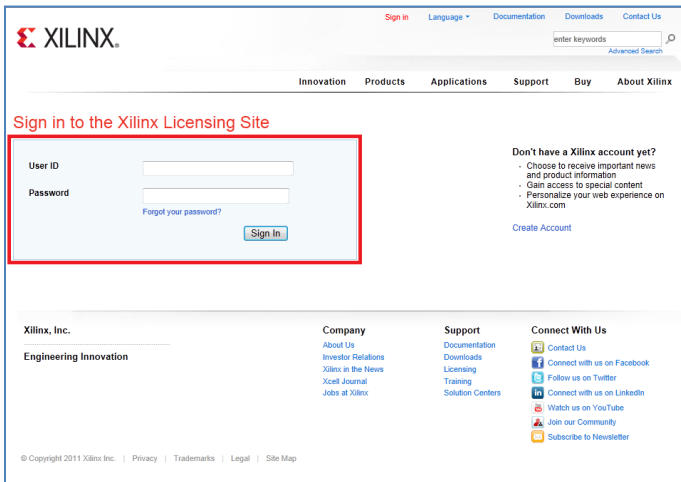
- 14A. Click on **OK** when presented with this window. If your Xilinx Project Navigator or other related Xilinx programs are still opened, you might want to close them and open them again to unlock all Xilinx functionalities.



- 13B. Select **Get Free ISE WebPack License** from the **Acquire a License** tab, followed by **Next**.



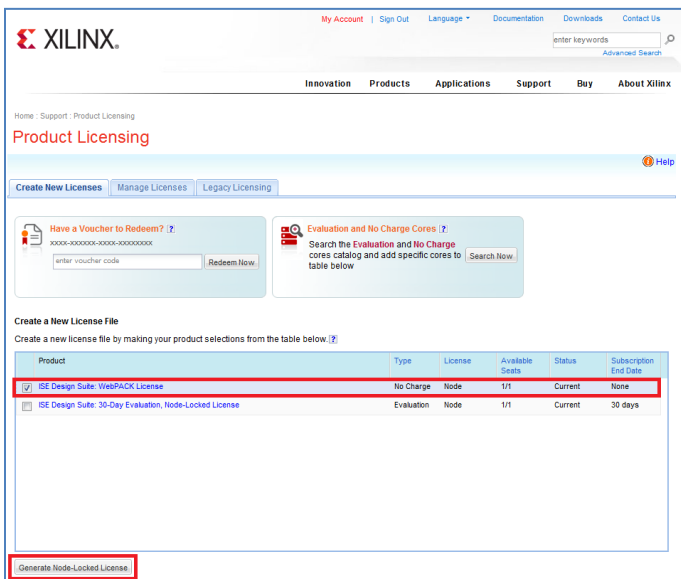
14B. A window with information based on your current system will pop up. Click on **Connect Now** to go to the Xilinx website.



15B. 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.



16B. 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
HostID * ?	Any

3 COMMENTS

Comments ?	
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17B. Click on **Next**.

Generate Node License

4 REVIEW LICENSE REQUEST

Product Selections

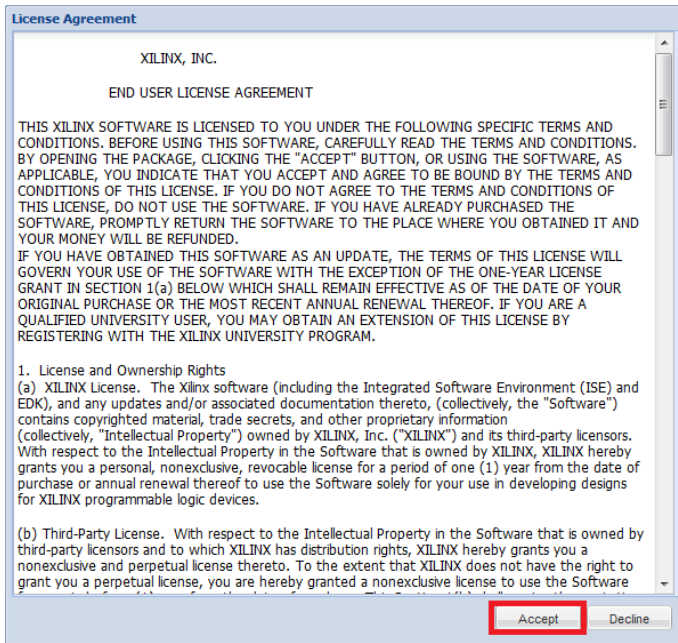
Product	Subscription End Date	Available Seats	Requested Seats
ISE Design Suite: WebPACK License		1/1	1

System Information

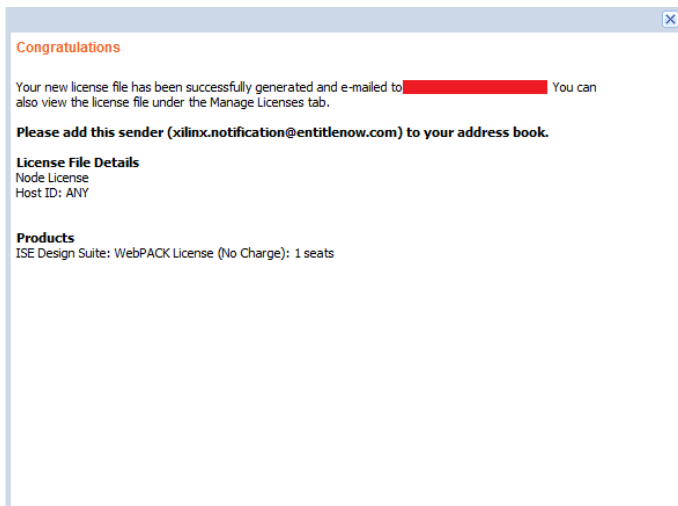
License	Node
Host ID	ANY

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.

18B. Click on **Next**.



19B. **Accept** the agreement to get the ISE WebPACK license.



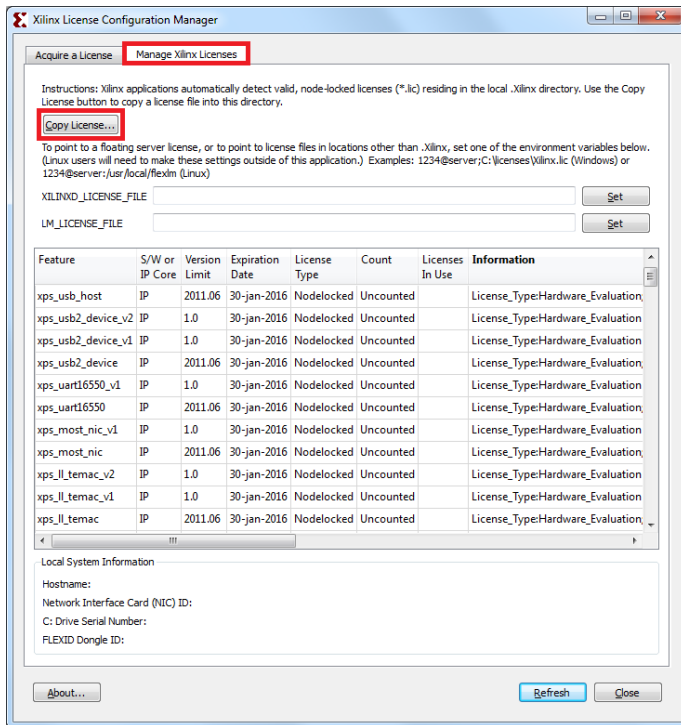
20B. The license file will be sent to your email address.

A valid email address should have been provided.

The license file is 1 KB in size.

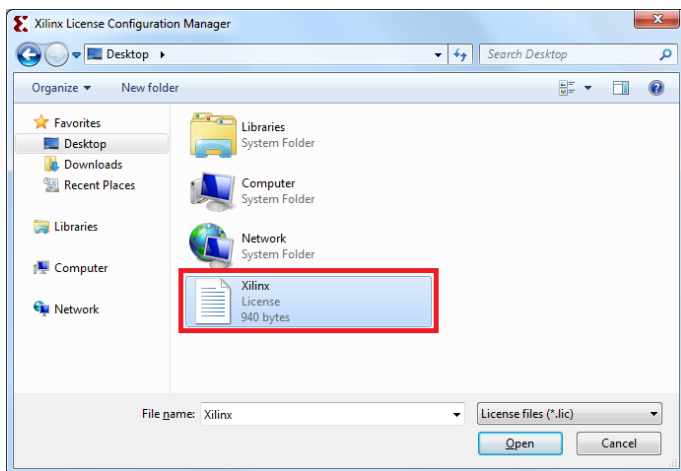
If the license file is not received, check the spam or junk folders of the email address. Sometimes, the license file is sent to these folders.

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.

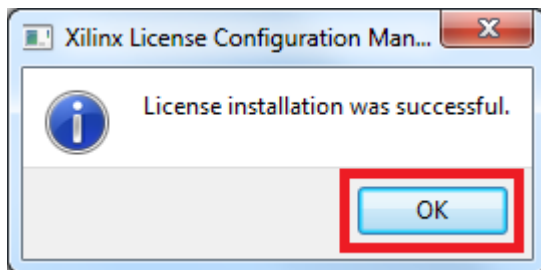


21B. Launch the Xilinx License Configuration Manager. Select **Copy License** from the **Manage Xilinx Licenses** tab.

If required, refer to step 12 to get instructions on how to open the Xilinx License Configuration Manager.



22B. Move to the **Desktop** folder, select **Xilinx.lic**, and click on **Open**.



23B. 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 22B, can now be safely deleted.