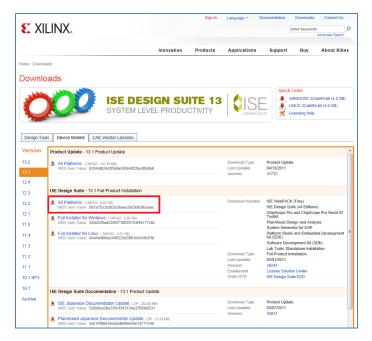
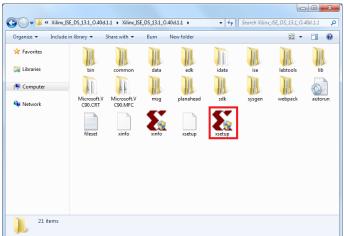


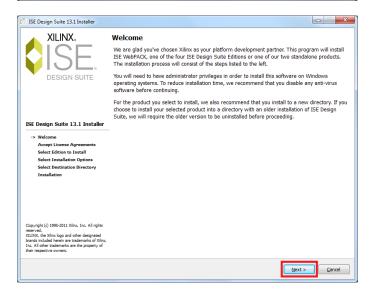
EE2020: DIGITAL FUNDAMENTALS

Xilinx ISE WebPACK 13.1

Download and Installation Procedures







 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.

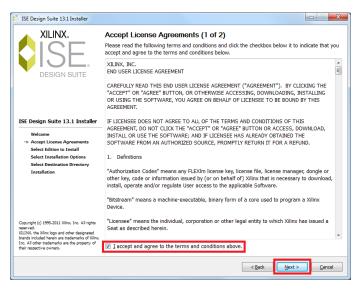
You will need to register online for free to be able to download the file. At least a valid email address is required to obtain a license later on.

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.

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

Click Next.



ISE Design Suite 13.1 Installer XILINX. Accept License Agreements (2 of 2) Please read the following terms and conditions and click the checkbox below it to indicate that you accept and agree to the terms and conditions below. CAREFULLY READ THIS COLLECTION OF INFORMATION AND LICENSE AGREEMENTS. BY CLICKING THE "ACCEPT" OR "AGREE" BUTTON, OR OTHERWISE ACCESSING, DOWNLOADING, INSTALLING OR USING THE SOFTWARE, YOU AGREE ON BEHALF OF LICENSEE TO BE BOUND BY THIS INFORMATION AND LICENSE AGREEMENT; OT THE EXTENT APPLICABLE TO THE SPECIFIC SOFTWARE YOU OBTAIN AND THE SPECIFIC MANNER IN WHICH YOU USE SUCH IF LICENSEE DOES NOT AGREE TO ALL OF THE INFORMATION AND LICENSE AGREEMENTS BELOW, DO NOT CLICK THE "ACCEPT" OR "AGREE" BUTTON OR ACCESS, DOWNLOAD, INSTALL OR USE THE SOFTWARE; AND IF LICENSEE HAS ALREADY OBTAINED THE ISE Design Suite 13.1 Installer SOFTWARE FROM AN AUTHORIZED SOURCE, PROMPTLY RETURN IT FOR A REFUND. Accept License Agreeme Select Edition to Install Part One: Overview. Select Installation Options Select Destination Directory The following information applies to certain items of third-party technology that are included along with certain Xilinx software tools The Xilinx Embedded Development Kit (EDK) is a suite of software and other technology that The Ximx Embedded Development Kit (EDX) is a suite of software and other technology that enables License be design a complete embedded processor system for use in a Xilinx Device. EDX includes, among other components, (a) the Xilinx Platform Studio (XFS), which is the development environment, or CUI, used for designing the hardware portion of an embedded processor system; and (b) the Xilinx Software Development Kit (SDK), which is an integrated development environment, complementary to XFS, that is used to create and verify C/C++ embedded software applications. SDK is also made available separately from EDX. right (c) 1995-2011 Xilino, Inc. All rights $\overline{\mathscr{U}}$ I accept and agree to the terms and conditions above. < Back Next > Cancel

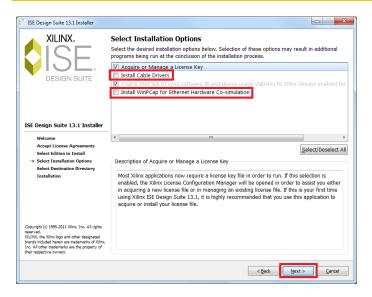
ISE Design Suite 13.1 Installer 0 XILINX. Select Edition to Install ISE WebPACK ISE Design Suite: Logic Edit ISE Design Suite: Embedded Edition ISE Design Suite: DSP Edition ISE Design Suite: System Edition Software Development Kit: Standalone Installation Lab Tools: Standalone Installation ISE Design Suite 13.1 Installer Welcome Accept License Agreeme Select Edition to Install Disk Space Required: 11655 MB Description of ISE WebPACK Select Installation Options ISE WebPACK contains the most important tools you need for designing CPLDs and small to medium-sized FPGAs. Includes: ISE Design Tools (w/reduced device support), PlanAhead, and Connectivity and DSP IP. ChipScope Pro and The Embedded Development Kit will also be installed with WebPACK but are licensed separately (not included in a WebPACK license file) yright (c) 1995-2011 Xilinx, Inc. All rights rved. reserved. XILINX, the Xilinx logo and other designated brands included herein are trademarks of Xilin Inc. All other trademarks are the property of their respective owners. < Back Next > Cancel 4. Accept agreement (1 of 2) and click on **Next**.

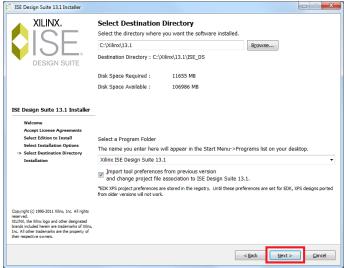
5. Accept agreement (2 of 2) and click on Next.

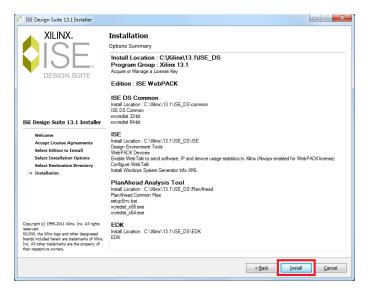
6. Select ISE WebPACK and click on Next.

The ISE WebPACK license is free 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.







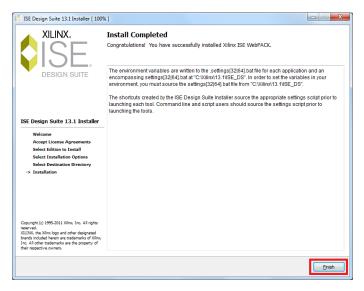
 Deselect Install Cable Drivers. Deselect Install WinPCap for Ethernet Hardware Co-Simulation. Leave the other two options selected and click on Next to continue.

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

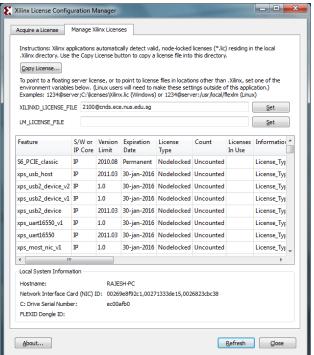
8. Click on Next.

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.



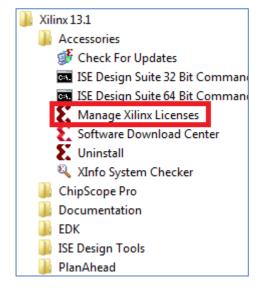
When the installation has completed, click on *Finish* to close the window.



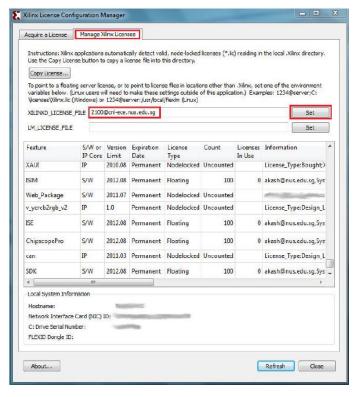
11. When the installation has completed, you will be presented with a Xilinx License Configuration Manager window.

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 form 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.



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

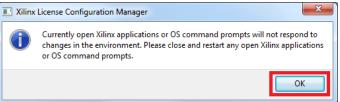


13A. For floating server license, select the Manage Xilinx Licenses tab. In the XILINXD_LICENSE_FILE field, enter:

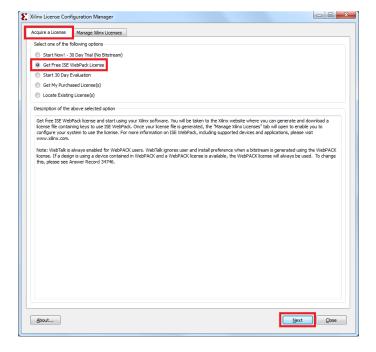
2100@cnl-ece. nus. edu. sg

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:

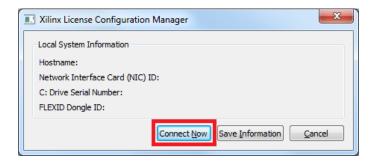
http://webvpn.nus.edu.sg



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**.



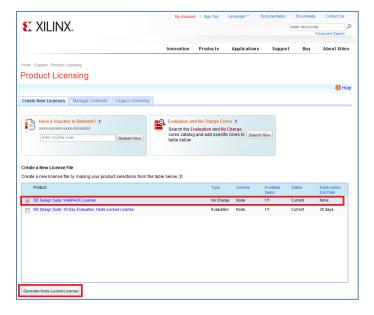
14B. A window with information based on your current system will pop up. Click on *Connect Now* to go to the Xilinx website.

XILINX.		Products	Applications		enter keywords	Advanced Search
						- Land-John Deardi
	Innovation			Support	Buy	About Xilin
ign in to the Xilinx Licensing Site						
User ID Password Fugod your password? Sign In				Choose and pre Gain a		portant news on al content
Xilinx, Inc.	Compa	ny	Support		nect With Us	
	About Us Investor I	Relations	Support Documentatic Downloads	n 🔢 (Contact Us	n Farebook
	About Us Investor I Xilinx in t	Relations he News	Documentation Downloads Licensing	n 🖫 d		
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	About Us Investor I Xilinx in t Xcell Jou	Relations ne News mal	Documentation Downloads Licensing Training	n E (Contact Us Connect with us o Follow us on Twit	ler n Linkedin
	About Us Investor I Xilinx in t Xcell Jou	Relations ne News mal	Documentation Downloads Licensing Training	n E (Contact Us Connect with us of Follow us on Twith Connect with us of	ler in Linkedin Tube
Xilinx, Inc. Engineering Innovation	About Us Investor I Xilinx in t Xcell Jou	Relations ne News mal	Documentation Downloads Licensing Training	n II (Contact Us Connect with us of Follow us on Twit Connect with us of Watch us on You	ler in Linkedin Tube ity

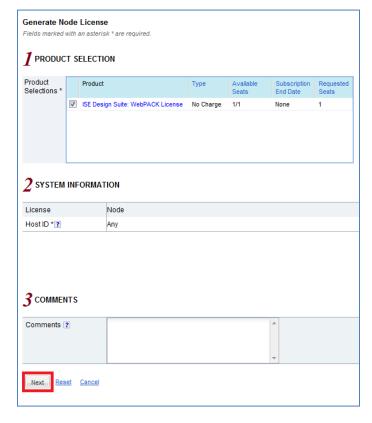
15B. Enter your *User ID* and *Password*.

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.



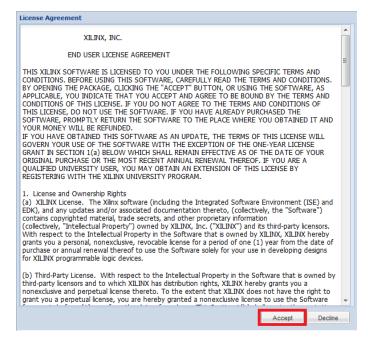
16B. After reviewing your personal information, this window will be presented. Select ISE Design Suite: WebPACK License and click on Generate Node-Locked License.

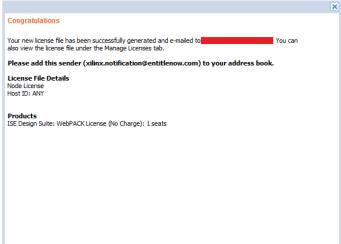


17B. Click on Next.

Generate Node Lic	cense					
4 REVIEW LICENS	SE REQUEST					
Product Selections						
Product		Subscription End Date	Available Seats	Requested Seats		
ISE Design Suite: WebF	PACK License		1/1	1		
System Information License	Node					
Host ID	ANY					
HUSTID	AINT					
a bitstream is genera and a WebPACK licer	ays enabled for WebPACK us ted using the WebPACK licen ise is available, the WebPACI alk, go to www.xillinx.com/ise/v	se. If a desig Klicense will	n is using a	device conta	aineo	d in WebPAC

18B. Click on Next.





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

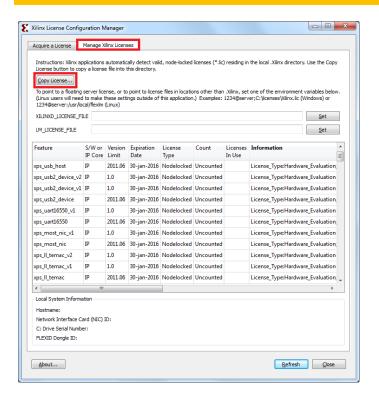
20B. The license file will be sent to your email address.

A valid email address should have been provided.

The license file is 1 KB in size.

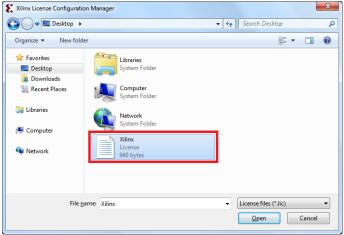
If the license file is not received, check the spam or junk folders of the email address. Sometimes, the license file is sent to these folders.

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.

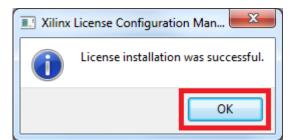


21B. Launch the Xilinx License Configuration Manager. Select *Copy License* from the *Manage Xilinx Licenses* tab.

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.