

# EE 460M Software Download Instructions

## Modelsim

[https://www.mentor.com/company/higher\\_ed/modelsim-student-edition](https://www.mentor.com/company/higher_ed/modelsim-student-edition)

- Free download of the industry leading ModelSim HDL simulator for use by students in their academic coursework (expires in 6 months)
- If error “insufficient space on my C:/ drive” occurs, try installing in Windows Safe Mode.

## Xilinx Vivado

- <http://www.xilinx.com/support/download.html>
- Choose version 2015.2

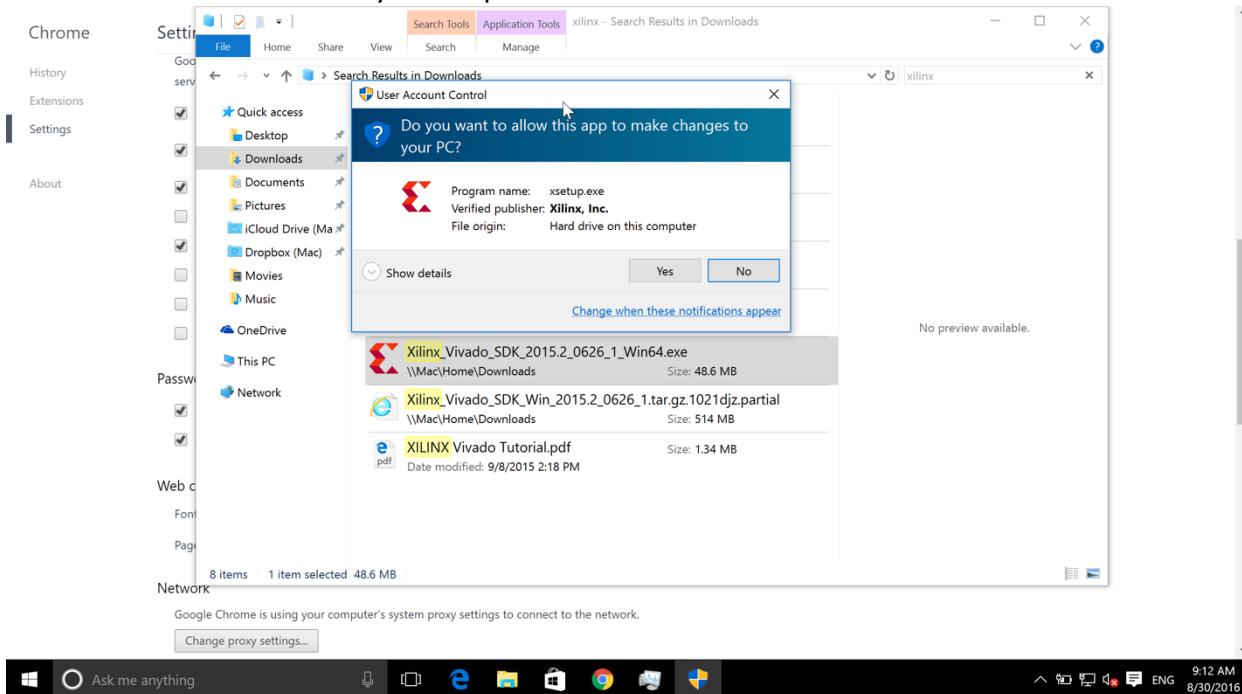
The screenshot shows the Xilinx Vivado download page. At the top, there's a navigation bar with links for DOWNLOADS, APPLICATIONS (with a video link), PRODUCTS (with a video link), DEVELOPER ZONE (with a video link), SUPPORT, and ABOUT (with a video link). Below the navigation bar, there's a horizontal menu with tabs for Vivado, Embedded Development, SDx Development Environments, ISE, Device Models, and CAE Vendor Libraries. The Vivado tab is highlighted. On the left, there's a sidebar with a list of Vivado versions from 2012.2 to 2016.2. The 2015.2 version is circled in red. The main content area displays the "Vivado Design Suite - HLx Editions - 2016.2 Full Product Installation" page. It features an "Important Information" section with details about the Vivado Web Install, including a list of components like Vivado HL WebPACK, Vivado HL Design Edition, Vivado HL System Edition, and Documentation Navigator (Standalone). It also explains the Web Install process and notes that the All-OS installer download is only recommended for multiple OS network install applications. To the right of the main content, there's a sidebar with "Download Includes" and "Download Type" information, along with links to Vivado Design Suite HLx Editions, Full Product Installation, Last Updated (Jun 8, 2016), Answers, Documentation, and Enablement.

- Under Vivado Design Suite subsection of page, click on one of the TAR/GZIP links for the installer based on your OS (Windows or Linux)

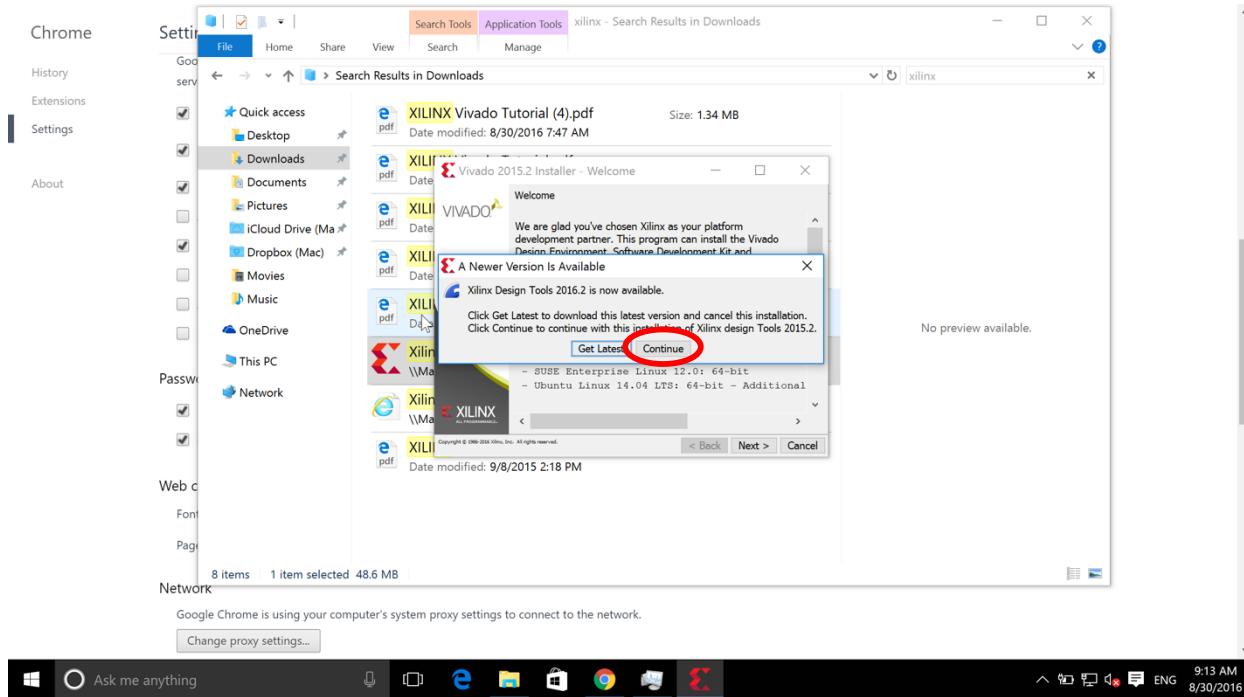
Vivado Design Suite - 2015.2 Full Product Installation

<a href="#">Vivado 2015.2: All OS Full Installer Download Image Including SDK (TAR/GZIP - 5.96 GB) MD5 SUM Value: d3bb4bf94a6218c9c1c244e6669f2f6f</a>	Download Includes	Documentation Navigator Software Development Kit (SDK) System Generator for DSP Vivado Design Suite (All Editions) Vivado High Level Synthesis (HLS) Vivado WebPACK (Free)
<a href="#">Vivado 2015.2: Full Installer For Windows Single File Download Image Including SDK (TAR/GZIP - 4.76 GB) MD5 SUM Value: 49ae5d86674014fce3183427823c0164</a>	Download Type	Full Product Installation
<a href="#">Vivado 2015.2: Full Installer For Linux Single File Download Image Including SDK (TAR/GZIP - 4.58 GB) MD5 SUM Value: 74626c24853dbc4a479a5c22de5190e9</a>	Last Updated	Jun 30, 2015
<b>Important Information</b>  Having trouble downloading? The download links above require the installation and use of a browser-based (plug-in) download manager. Your company's policy and/or firewall settings may not permit the download manager to be installed or operate properly. If you wish to bypass the use of the Xilinx download manager, please see <a href="#">AR# 64685</a> .	Documentation	2015.2 - Release Notes 2015.x - Vivado Known Issues
	Enablement	License Solution Center
	Order DVD	Design Suite DVD

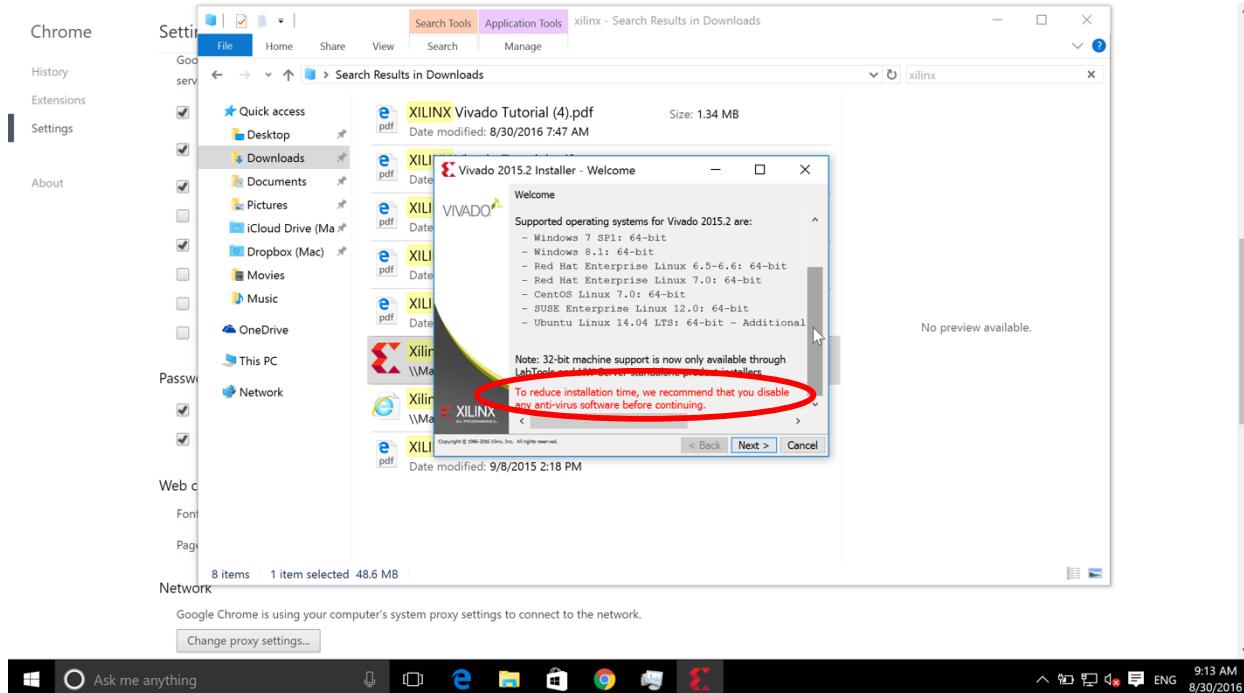
- May need to download free tar/gzip upacker like 7-zip: <http://www.7-zip.org/>
- Launch installer that you unzip.



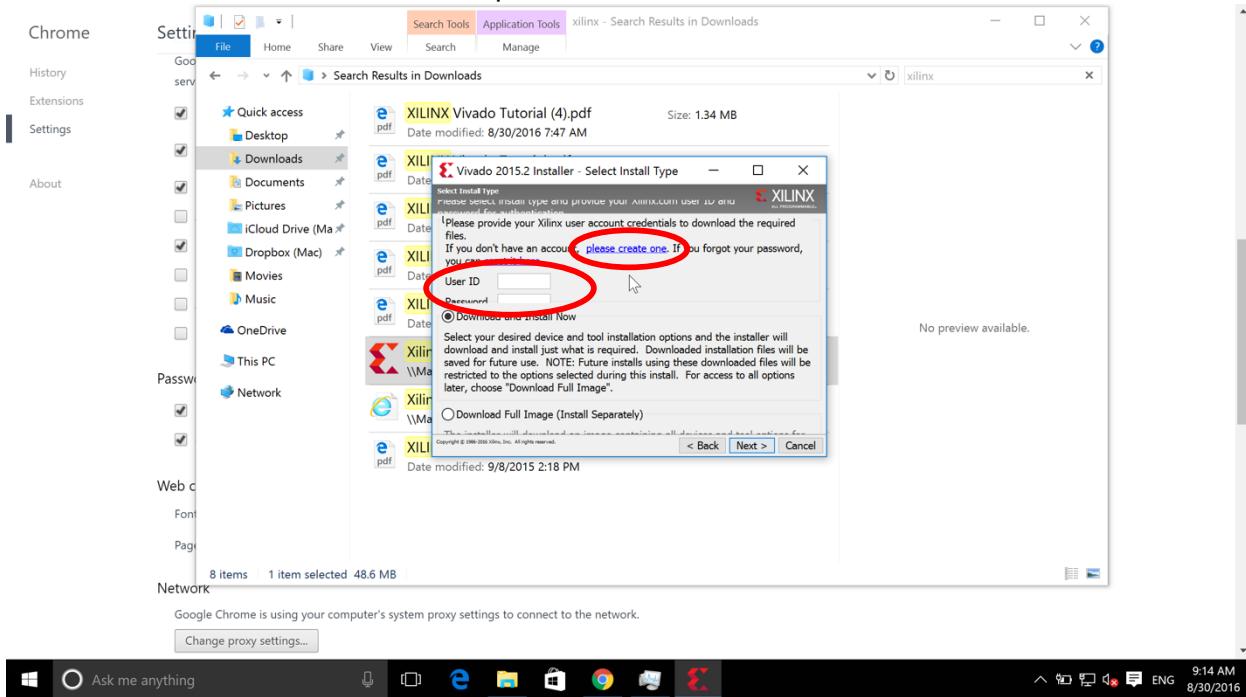
- Click “Continue” to avoid downloaded newer version of Vivado



- Welcome screen indicated all anti-virus software should be disabled for the Vivado installer to work.



- At this time, if you don't have a Xilinx user account, please create one and log in. Choose "Download and Install Now" option.



- Create the account through your web browser

[Ask me anything](#)
9:14 AM  
8/30/2016

**XILINX** ALL PROGRAMMABLE.

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### Create Account

To complete your account creation, a validation e-mail will be sent to you.  
Fields marked with an asterisk \* are required.

User ID *	<input type="text"/>	<b>Instructions</b>  <b>Rules for your User ID</b> Your user ID must be at least 3 characters long, all lowercase, must contain at least 1 letter and may contain any of these special characters: at symbol (@), dash (-), period (.) or underscore (_).  <b>Rules for your Password</b> Your password must be at least 8 characters long, must contain at least 1 letter, 1 number and 1 special character. Your current password and new password cannot be the same.
Your User ID will be displayed to others when you post on Xilinx Community Forums.		
Corporate Email *	<input type="text"/>	
Password *	<input type="password"/>	
Re-type Password *	<input type="password"/>	
First Name *	<input type="text"/>	
Last Name *	<input type="text"/>	

By clicking "Create Account" below, you agree to our [Terms of Use](#) and that you have read our [Privacy Policy](#), including our use of cookies.

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in   
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- Accept License Agreements and Continue

To complete your account creation, a validation email will be sent to the address you provide. Fields marked with an asterisk \* are required.

User ID \*

Your User ID will be displayed to others when you post on Xilinx forums.

Corporate Email \*

Password \*

Re-type Password \*

First Name \*

Last Name \*

By clicking "Create Account" below, you agree to our [Terms of Use](#) and that you have read our [Privacy Policy](#), including our use of cookies.

I Agree

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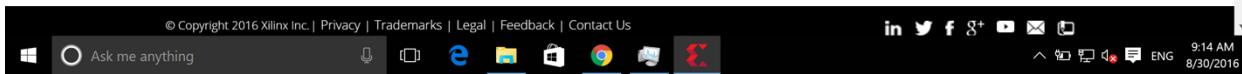
**Instructions**

**Rules for your User ID**

Your user ID must be at least 3 characters long, all lowercase, must contain at least 1 letter and may contain any of these special characters: at symbol (@), dash (-), period (.) or underscore (\_).

**Rules for your Password**

Your password must be at least 8 characters long, must contain at least 1 letter, 1 number and 1 special character. Your current password and new password cannot be the same.



- Choose Vivado WebPACK

To complete your account creation, a validation email will be sent to the address you provide. Fields marked with an asterisk \* are required.

User ID \*

Your User ID will be displayed to others when you post on Xilinx forums.

Corporate Email \*

Password \*

Re-type Password \*

First Name \*

Last Name \*

By clicking "Create Account" below, you agree to our [Terms of Use](#) and that you have read our [Privacy Policy](#), including our use of cookies.

Vivado WebPACK  
Vivado WebPACK is the no cost, device limited version of Vivado Design Edition.

Vivado Design Suite  
Vivado Design Edition includes Vivado Design Suite with complete device support, cable drivers and Documentation Navigator. Users can optionally add Documentation Navigator (Standalone).

Vivado System Edition  
Vivado System Edition is a superset of Vivado Design Edition with the addition of Vivado High-Level Synthesis and System Generator for DSP. Users can add Documentation Navigator (Standalone).

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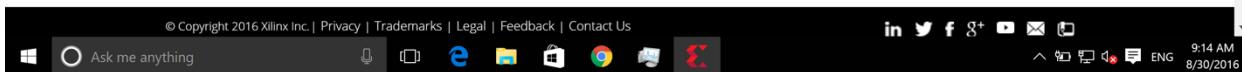
**Instructions**

**Rules for your User ID**

Your user ID must be at least 3 characters long, all lowercase, must contain at least 1 letter and may contain any of these special characters: at symbol (@), dash (-), period (.) or underscore (\_).

**Rules for your Password**

Your password must be at least 8 characters long, must contain at least 1 letter, 1 number and 1 special character. Your current password and new password cannot be the same.



- Uncheck option to install Kintex-7 Devices, only Artix-7 needed.
- Make sure “Install Cable Drivers” option is checked

**Vivado Design Suite Evaluation and WebPACK**

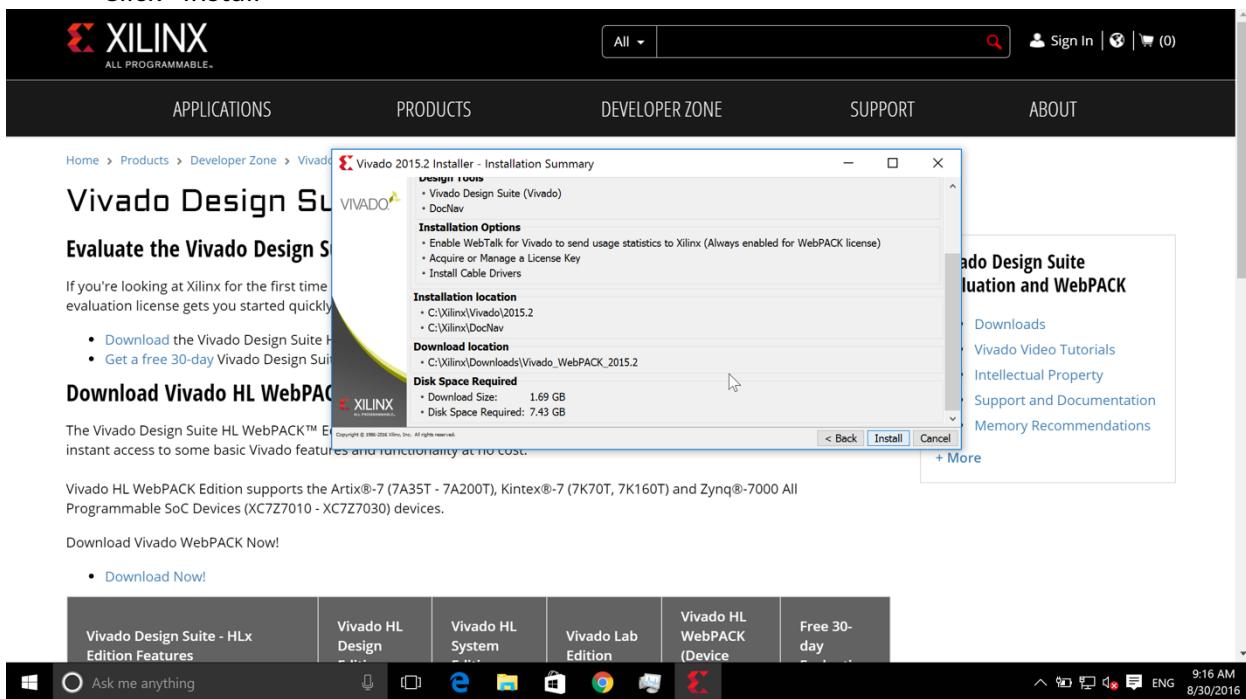
- Downloads
- Vivado Video Tutorials
- Intellectual Property
- Support and Documentation
- Memory Recommendations

- Default options here are appropriate

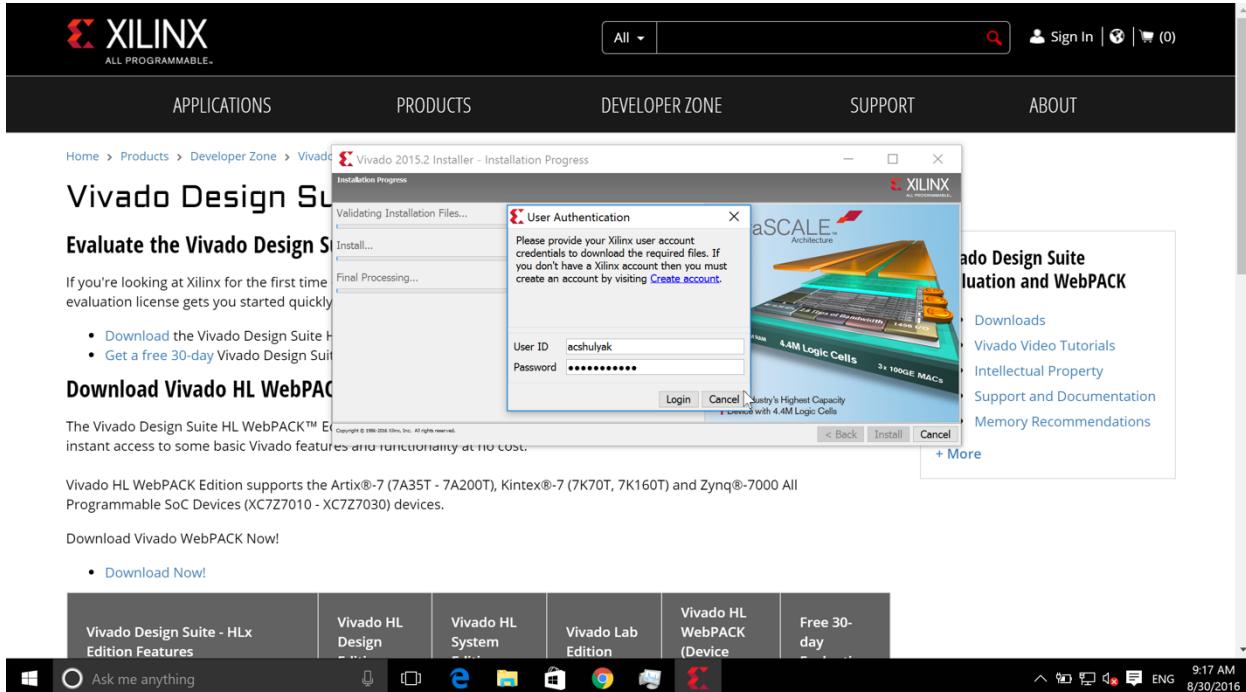
**Vivado Design Suite Evaluation and WebPACK**

- Downloads
- Vivado Video Tutorials
- Intellectual Property
- Support and Documentation
- Memory Recommendations

- Click “Install”



- Log in again if prompted



- Wait for download and installation to complete



- When installation complete, Vivado Licence Manager will automatically open
- Select “Get Free License – Vivado WebPACK...” then click “Connect Now”



- Xilinx Licensing Site will open up. Log in using the Xilinx account you created earlier

**Sign in to the Xilinx Licensing Site**

User ID: acshulyak

Password: .....

[Forgot your password?](#)

[Sign In](#)

Note: Xilinx employees should Sign In using their Xilinx ID and password.

**Why register?**

Get easy access to all your design needs when you register on Xilinx.com:

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- Join Xilinx support forums
- Download software and tools
- Order products and tools
- Get technical help
- Gain access to special content
- Register for training and events

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- Enter personal information needed for free Product Licensing, then continue

**Product Licensing**

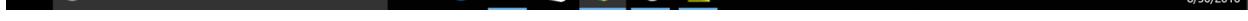
US export regulations require that your First Name, Last Name, Company Name and Shipping Address be verified before Xilinx can fulfill your request. Please provide accurate and complete information for immediate processing. Sorry, addresses with Post Office Boxes and names / addresses with Non-Roman Characters with accents such as grave, tilde or colon are not supported by US export compliance systems.

Fields marked with an asterisk \* are required.

First Name *	Alexander
Last Name *	Shulyak
Address 1 *	
Address 2	
City *	
Postal/Zip Code *	
Country *	United States
State/Province	
Phone (include area code) *	

help

10:17 AM 8/30/2016



- Under “Certificate Based Licenses”, check “Vivado Design Suite: HL WebPACK and Earlier”
- Click “Generate Node-Locked License”

**Create a New License File**  
Create a new license file by making your product selections from the table below. ?

**Certificate Based Licenses**

Product	Type	Available Seats	Subscription End Date	Status	Subscription End
Vivado Design Suite: HL WebPACK 2015 and Earlier License	Certificate - No Charge	Node	1/1	Current	None
Vivado Design Suite (No ISE) 30-Day Evaluation License	Evaluation	Node	1/1	Current	30 days
ISE WebPACK License	Certificate - No Charge	Node	1/1	Current	None
PetaLinux Tools License	Certificate - Evaluation	Node	1/1	Current	365 days
Vivado HLS Evaluation License	Certificate - Evaluation	Node	1/1	Current	30 days

**Activation Based Licenses**

Ask me anything 10:18 AM 8/30/2016

- Click “Next”

**Create New License**  
Have a Voucher to Redeem? ?  
enter voucher code

**Certificate Based Licenses**

Product	Type	Available Seats	Subscription End Date	Requested Seats	Borrowed Seats
Vivado Design Suite (No ISE) Evaluation	Evaluation	1/1	30 days	1	
Vivado HLS Evaluation	Evaluation	1/1	30 days	1	
<b>Vivado Design Suite: HL WebPACK 2015 and Earlier License</b>	No Charge	1/1	None	1	
ISE WebPACK License	No Charge	1/1	None	1	
Digital Core Tools License	Evaluation	4/4	326 days	4	

**2 SYSTEM INFORMATION**

License	Node
Host ID *	Any

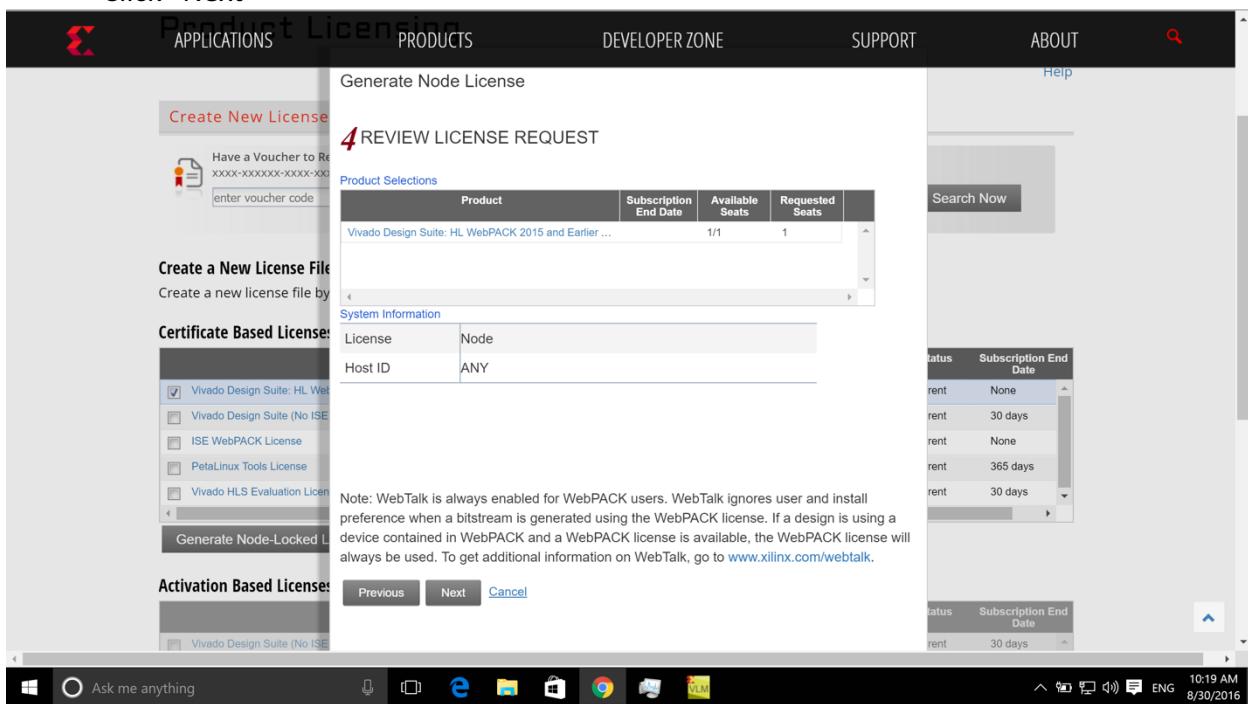
**3 COMMENTS**

Comments ?	
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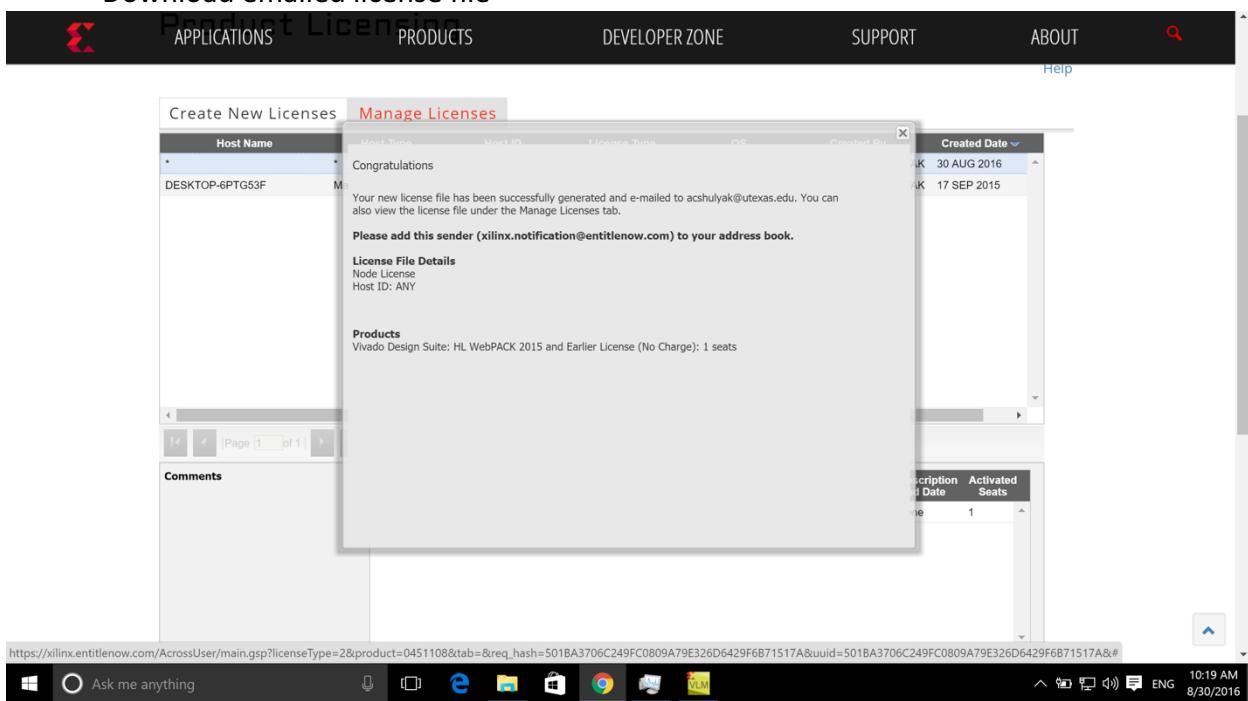
Next Cancel

Ask me anything 10:19 AM 8/30/2016

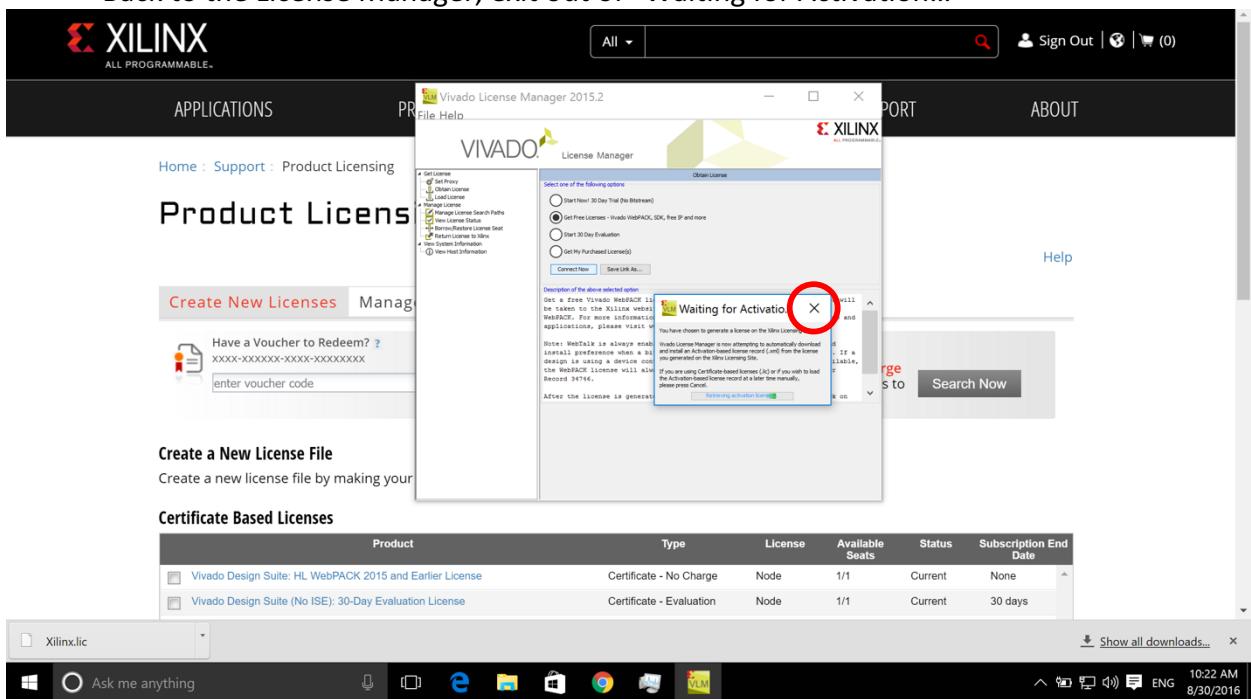
- Click “Next”



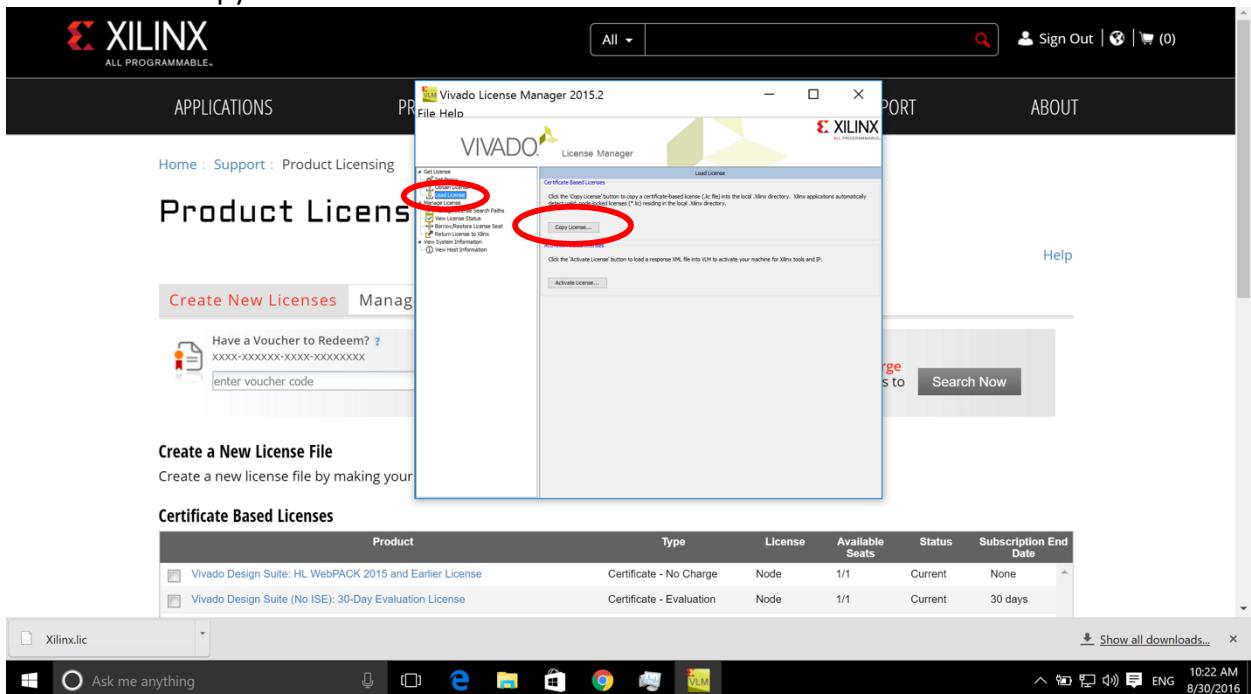
- Popup should indicate license file was emailed to your personal email.
- Download emailed license file



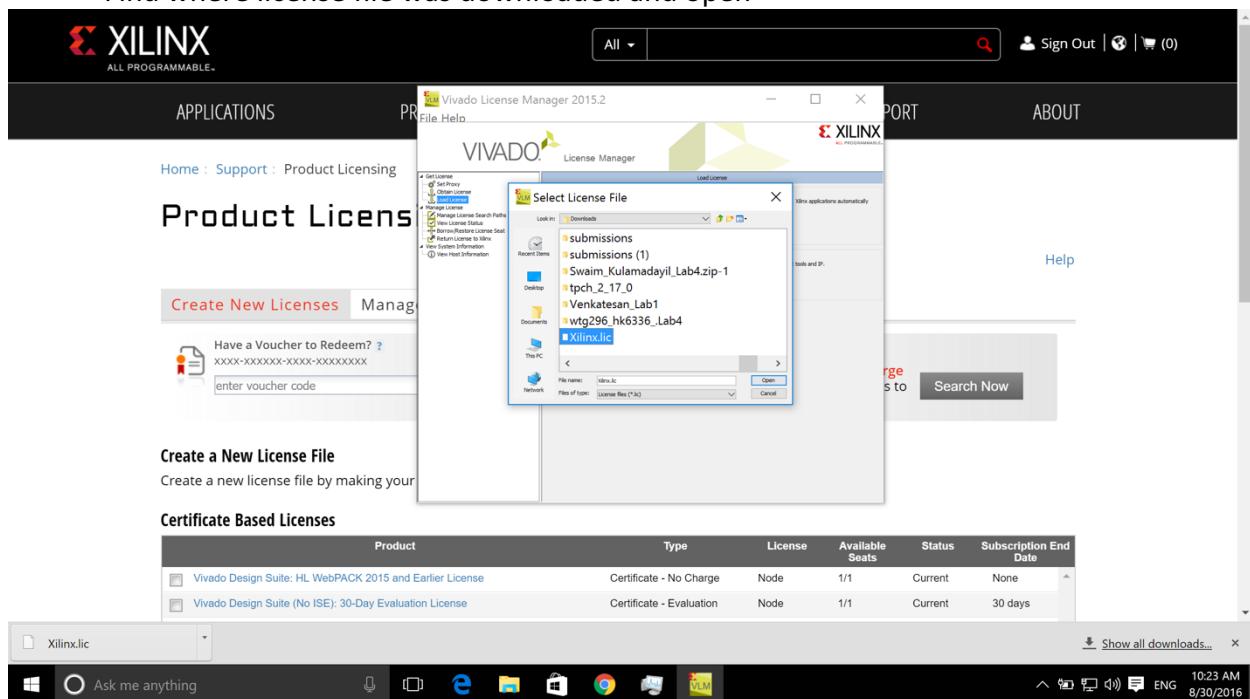
- Back to the License Manager, exit out of “Waiting for Activation...”



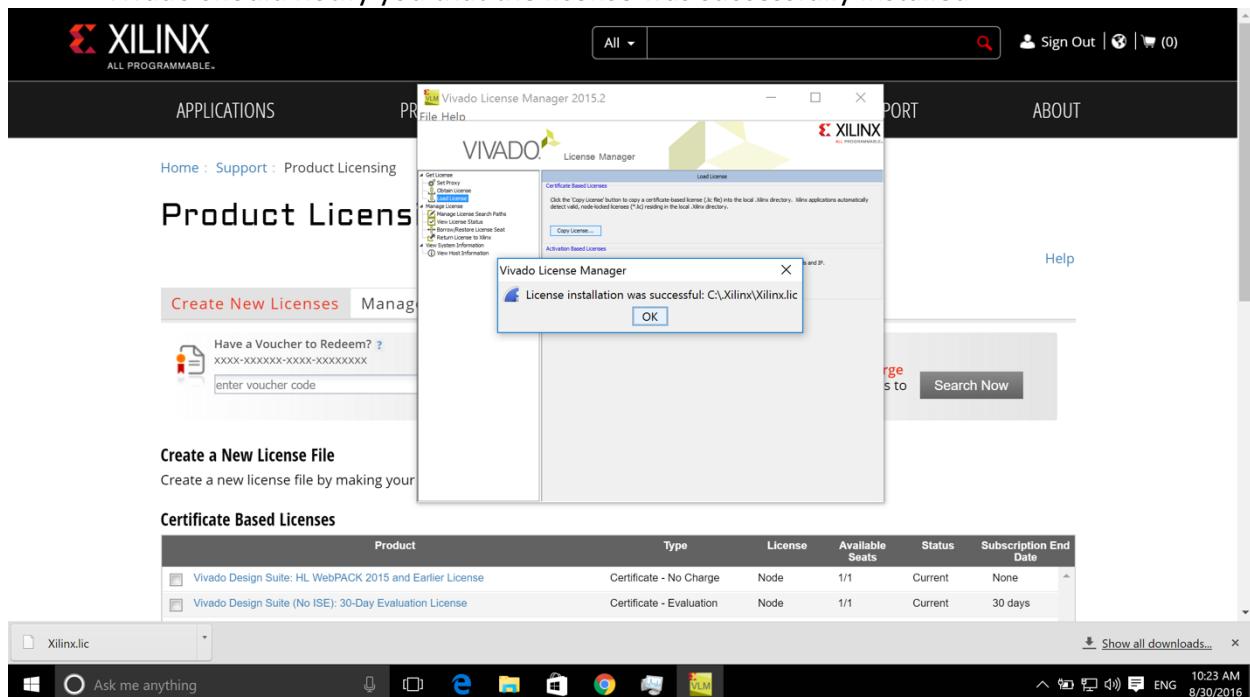
- Click “Load License” from left menu
- Click “Copy License...”



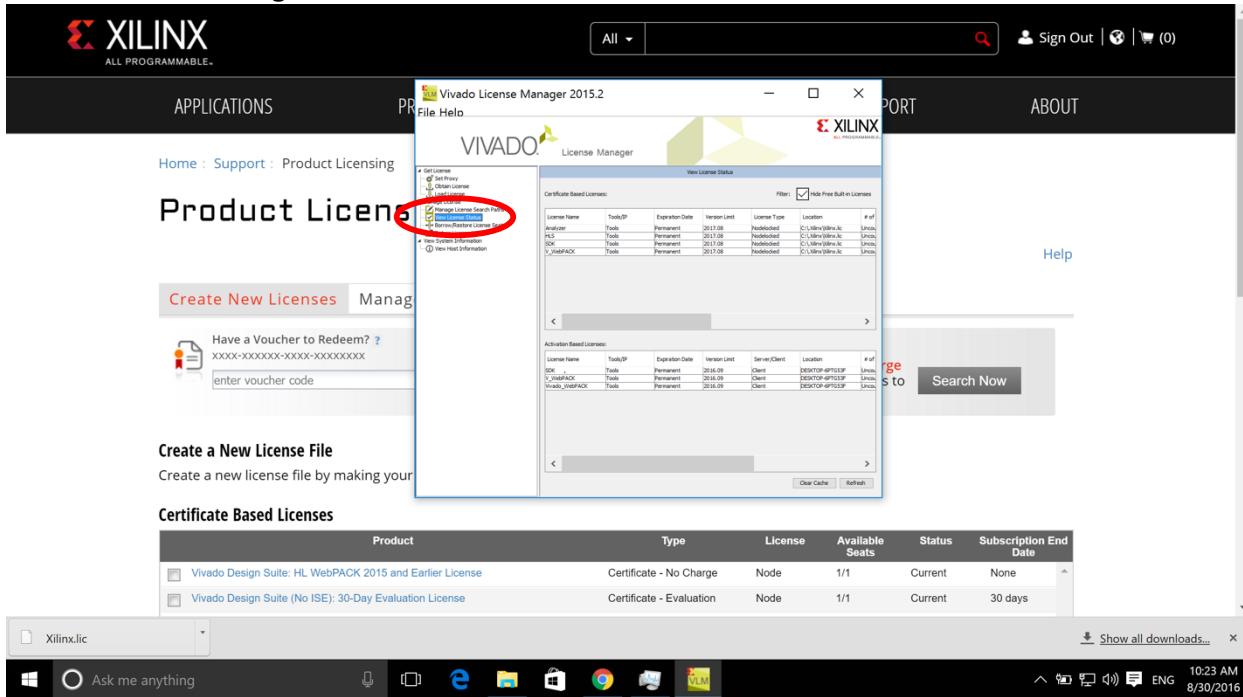
- Find where license file was downloaded and open



- Vivado should notify you that the license was successfully installed



- To further verify what Licenses you have, click “View License Status” in the left menu of license manager.



- The application “Vivado 2015.2” should be successfully installed and activated at this time.
- When opening the application, the below window should appear.

