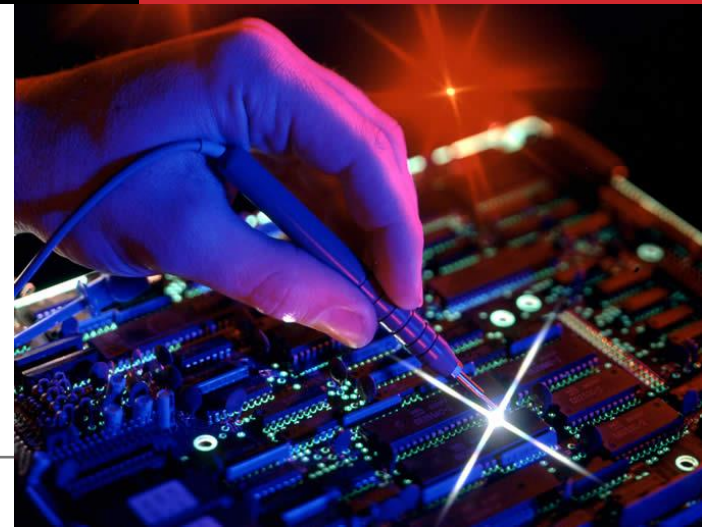




# **Advanced Computer Architecture & Advanced Microprocessor System**

## **VIVADO INSTALLATION & LICENSE ACQUISITION**

**Dennis A. N. Gookyi**





# CONTENTS

❖ Vivado Installation

❖ License Acquisition





# VIVADO INSTALLATION

❖ <https://www.amd.com/en.html>

□ Create an account

The screenshot shows the AMD website's homepage. At the top left is the AMD logo. To its right are navigation links: "Products", "Solutions", "Resources & Support", and "Shop". On the far right of the top navigation bar is a user account icon (a person silhouette) and a globe icon. A dropdown menu is open from the user account icon, showing "My Account" and "Create Account" (the latter is highlighted with a red box and a hand cursor). The main banner features a large image of an AMD Alveo U45N Network Accelerator card. Overlaid on the left side of the banner is the text "Introducing the Alveo U45N Network Accelerator" in large white font, followed by "Accelerating 200G datapaths for custom networking in the data center" in a smaller white font. At the bottom left of the banner is a "Learn More" button.

AMD

Products Solutions Resources & Support Shop

My Account

Create Account

**Introducing the Alveo U45N Network Accelerator**

Accelerating 200G datapaths for custom networking in the data center

Learn More





# VIVADO INSTALLATION

❖ <https://www.amd.com/en.html>

☐ Create an account

## AMD Account Creation

To create an account, complete the form below.

An account activation message with an **Access Token** will be sent via e-mail to the address you specify below.

First Name \*

Last Name \*

E-mail \*

Business users, please provide your company e-mail address for full access to licensing, support, and services. All other users, please use your personal e-mail address.

Preferred Language \*

Location \*

By creating an account, you agree to the AMD [Terms of Use](#) and [Privacy Policy](#).

☐

I'm not a robot



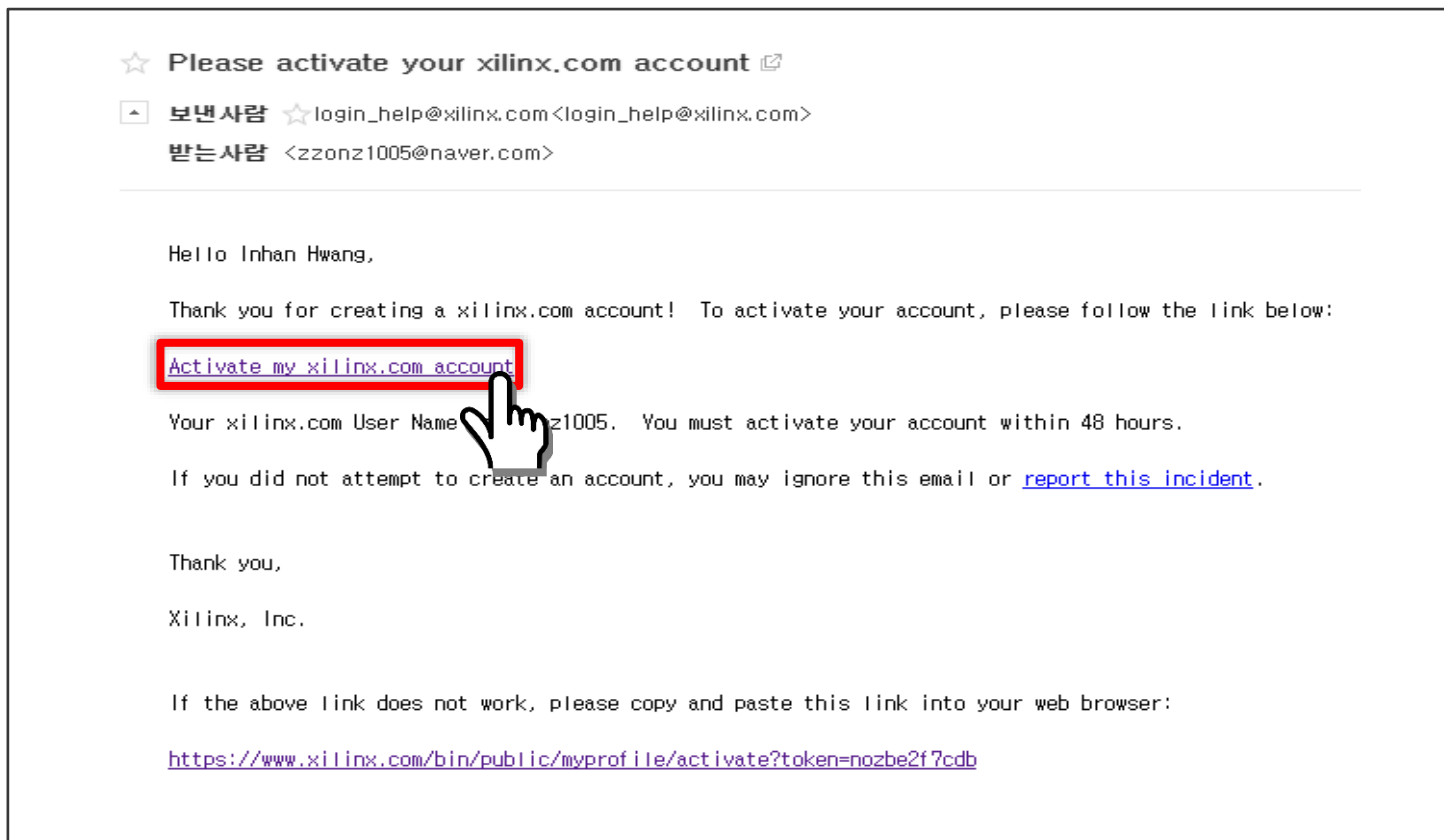
Submit



# VIVADO INSTALLATION

❖ <https://www.amd.com/en.html>

□ Create an account





# VIVADO INSTALLATION

## ❖ Vivado Download

□ Xilinx Profile → Downloads

### Profile Home

Welcome to the AMD profile area. Here you can update your personal information, change password, communication preferences or access AMD Secure Sites for which you have been approved for.

For Xilinx Product and Resources Support and Secures Sites, please click on the **Xilinx Profile** tab.

AMD Profile

Xilinx Profile

#### My Account

[Communication Preferences](#)  
[Online Order History](#)

#### Product Support

[Product Licensing](#)  
[Licensing Solution Center](#)  
[Licensing FAQ's](#)  
[Downloads](#)  
[Documentation](#)  
[Product Return](#)  
[Authorized Distributors](#)  
[Contact Sales](#)

#### Resources and Support

[Service Request](#)  
[Support Community](#)  
[Contact Support](#)  
[Developer Website](#)

#### Secure Sites

[Early Access](#)  
[Xilinx Secure Sites](#)





# VIVADO INSTALLATION

## ❖ Vivado Download

□ Vivado Archive → 2020 → 2020.2

Vivado (HW Developer)	Vitis (SW Developer)	Vitis Embedded Platforms	Power Design Manager	Alveo Packages	PetaLinux	Device Models	Documentation Navigator
<b>Version</b> We strongly recommend using the latest releases available.							
2023.1							
2022.2							
2022.1							
2021							
2021.1							
2021.2							
2020							
2020.3							
2020.2							
Vivado Design Suite - HLx Editions - 2020.2 Full Product Installation							

**Vivado Archive**

ISE Archive

CAE Vendor Libraries Archive







# VIVADO INSTALLATION

## ❖ Vivado Download

### □ Vivado Design Suite - HLx Editions

#### Vivado Design Suite - HLx Editions - 2020.2 Full Product Installation

##### Important Information

Vivado® Design Suite 2020.2 is now available

- Public access support for the Xilinx® Versal™ Platforms
- Petalinux now a part of Xilinx Unified Installer
- Access Block Design container now to create team-based designs
- Abstract Shell for Dynamic Function eXchange
- 2020.2 Introduces Vitis™ HLS for Vivado flows
- Add-on for MATLAB® and Simulink® (Unified Model Composer and System Generator)


We strongly recommend to use the web installers as it reduces download time and saves significant disk space.


Please see [Installer Information](#) for details.

Note:

- Download verification is only supported with Google Chrome and Microsoft Edge web browsers.
- Beginning this release, the Single File Download and the Webinstaller supports all products. Vivado Lab Solutions and Document Navigator are included in both the Single File Download and Webinstaller packages.

Download Includes	Vivado Design Suite HLx Editions (All Editions)
Download Type	Full Product Installation
Last Updated	Nov 24, 2020
Answers	<a href="#">2020.x - Vivado Known Issues</a>
Documentation	<a href="#">Release Notes</a> <a href="#">OS Support Update</a> <a href="#">What's New in Vivado</a>
Support Forums	<a href="#">Installation and Licensing</a>

 [Xilinx Unified Installer 2020.2: Windows Self Extracting Web Installer \(EXE\)](#)  
248.44 MB









# VIVADO INSTALLATION

## ❖ Vivado Download

### ☐ Name and Address Verification

Download Center - Name and Address Verification

**U.S. Government Export Approval**

- U.S. export regulations require that your First Name, Last Name, Company Name and Shipping Address be verified before AMD can fulfill your download request: [Please provide accurate and complete information.](#)
- 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.

First Name \*

Dennis

Last Name \*

Cookyi

Business E-mail \*

dennisgookyi@gmail.com

Company Name \*

hanbat national university

Please enter the name of your business or institution.

Address 1 \*

hanbat national university

Please enter your Company Address.

Address 2

Location \*

Korea, Republic of

State/Province

daejeon

City \*

daejeon

Postal Code

+82

Phone

+821063875775


Job Function \*

Industry Analyst

If you are downloading the Vivado / Vitis unified installer, you will receive a follow-up confirmation email with a notice regarding our Developer Program.

You can read about how we handle your personal data, your personal data rights, and how you can contact us in our [privacy policy](#).

Download








# VIVADO INSTALLATION

## ❖ Vivado Installation

- ❑ Click Xilinx\_Unified\_2020.2\_1106\_2127\_Win64

New Volume (D:) > XilinxV

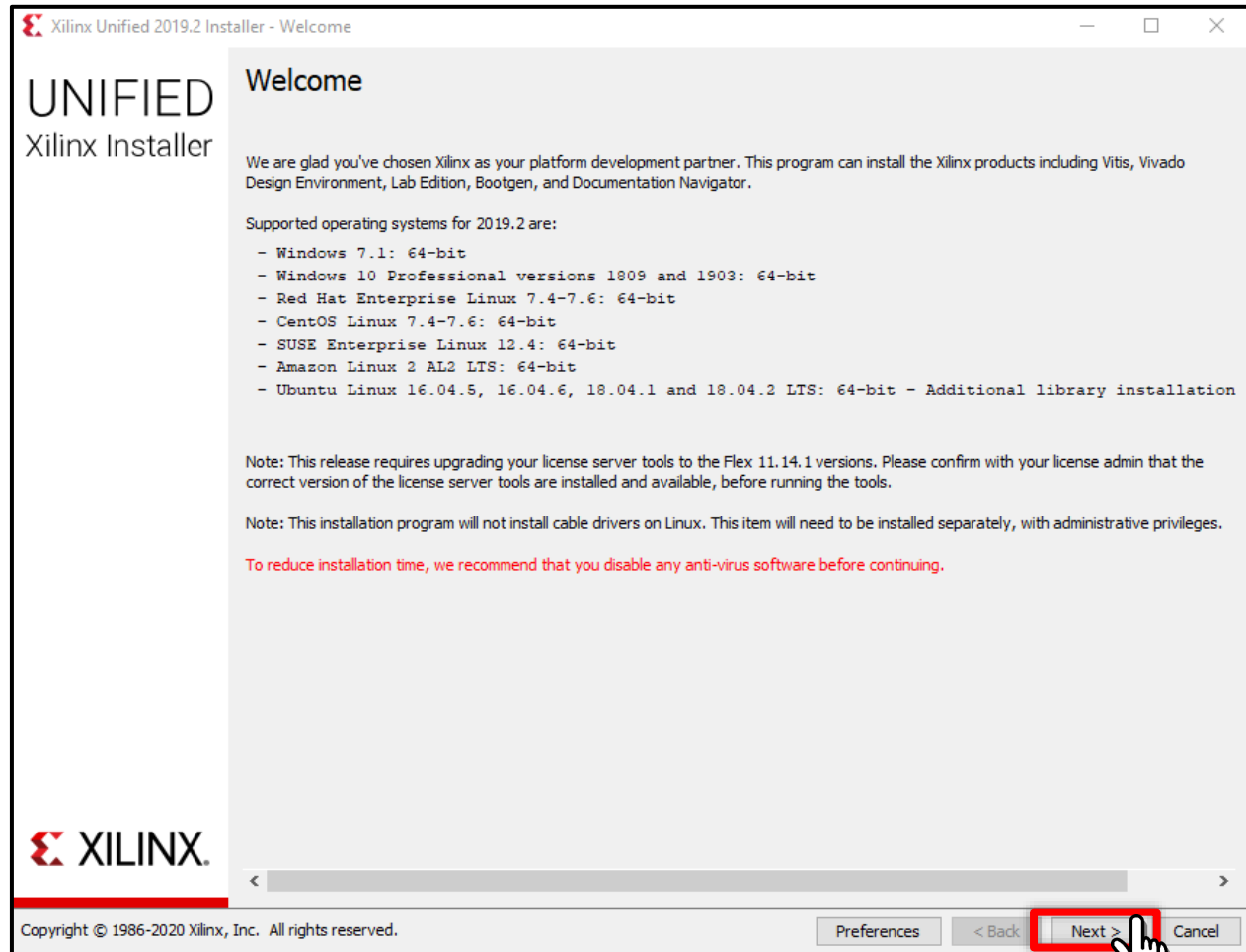
Name	Date modified	Type	Size
 Xilinx_Unified_2019.2_1106_2127_Win64	1/04/2020 3:26 PM	Application	67,071 KB



# VIVADO INSTALLATION

## ❖ Vivado Installation

□ Click Next



# VIVADO INSTALLATION

## ❖ Vivado Installation

### □ User Authentication and Download

Xilinx Unified 2019.2 Installer - Select Install Type

**Select Install Type**

Please select install type and provide your Xilinx.com user ID and password for authentication.

**User Authentication**

Please provide your Xilinx user account credentials to download the required files.  
If you don't have an account, [please create one](#). If you forgot your password, you can [reset it here](#).

User ID

Password

☒ **Download and Install Now**

Select your desired device and tool installation options and the installer will download and install just what is required. Downloaded installation files will be saved for future use. NOTE: Future installs using these downloaded files will be restricted to the options selected during this install. For access to all options later, choose "Download Full Image".

☐ **Download Full Image (Install Separately)**

The installer will download an image containing all devices and tool options for later installation. Use this option if you wish to install a full image on a network drive or allow different users maximum flexibility when installing.

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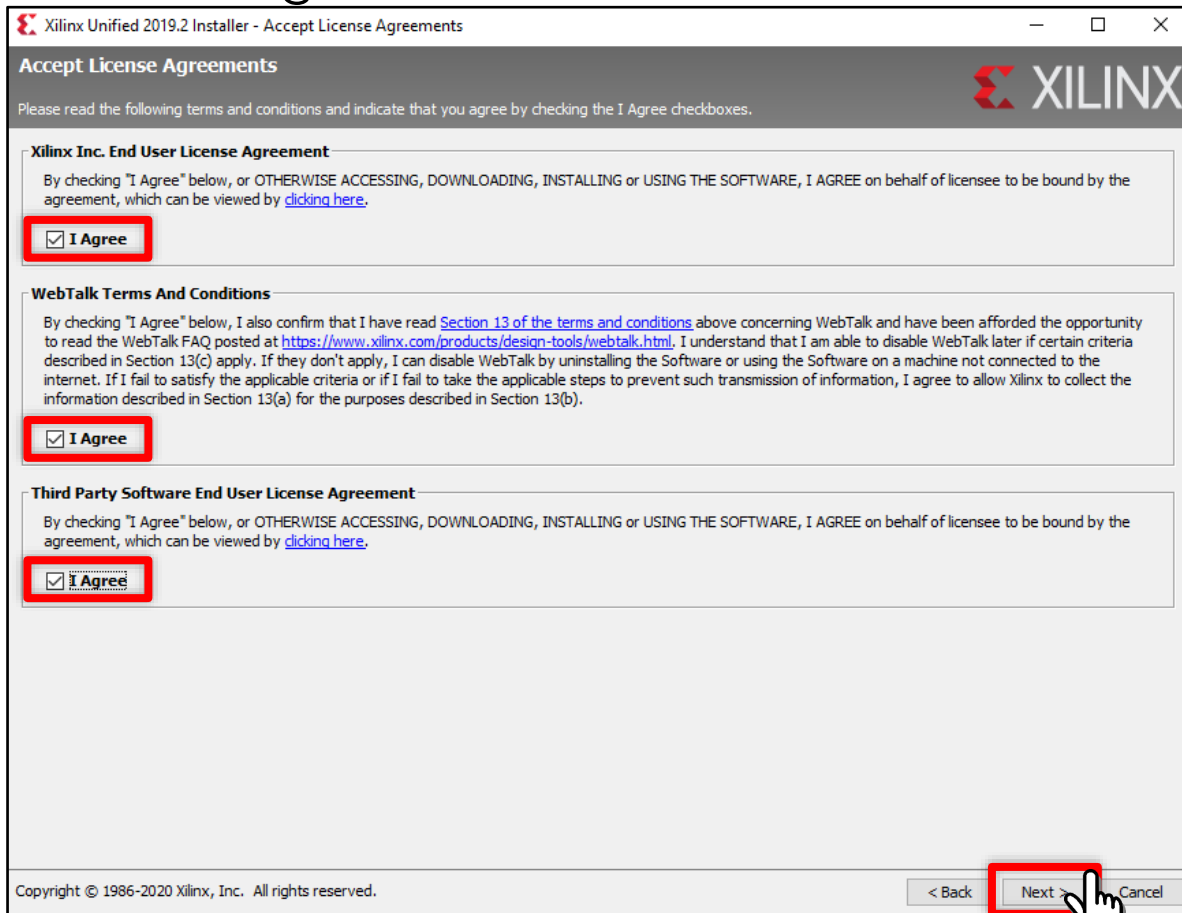
< Back Next > Cancel



# VIVADO INSTALLATION

## ❖ Vivado Installation

### □ Check License Agreement and Click Next



Xilinx Unified 2019.2 Installer - Accept License Agreements

**Accept License Agreements**

Please read the following terms and conditions and indicate that you agree by checking the I Agree checkboxes.

**Xilinx Inc. End User License Agreement**

By checking "I Agree" below, or OTHERWISE ACCESSING, DOWNLOADING, INSTALLING or USING THE SOFTWARE, I AGREE on behalf of licensee to be bound by the agreement, which can be viewed by [clicking here](#).

☒ I Agree

**WebTalk Terms And Conditions**

By checking "I Agree" below, I also confirm that I have read [Section 13 of the terms and conditions](#) above concerning WebTalk and have been afforded the opportunity to read the WebTalk FAQ posted at <https://www.xilinx.com/products/design-tools/webtalk.html>. I understand that I am able to disable WebTalk later if certain criteria described in Section 13(c) apply. If they don't apply, I can disable WebTalk by uninstalling the Software or using the Software on a machine not connected to the internet. If I fail to satisfy the applicable criteria or if I fail to take the applicable steps to prevent such transmission of information, I agree to allow Xilinx to collect the information described in Section 13(a) for the purposes described in Section 13(b).

☒ I Agree

**Third Party Software End User License Agreement**

By checking "I Agree" below, or OTHERWISE ACCESSING, DOWNLOADING, INSTALLING or USING THE SOFTWARE, I AGREE on behalf of licensee to be bound by the agreement, which can be viewed by [clicking here](#).

☒ I Agree

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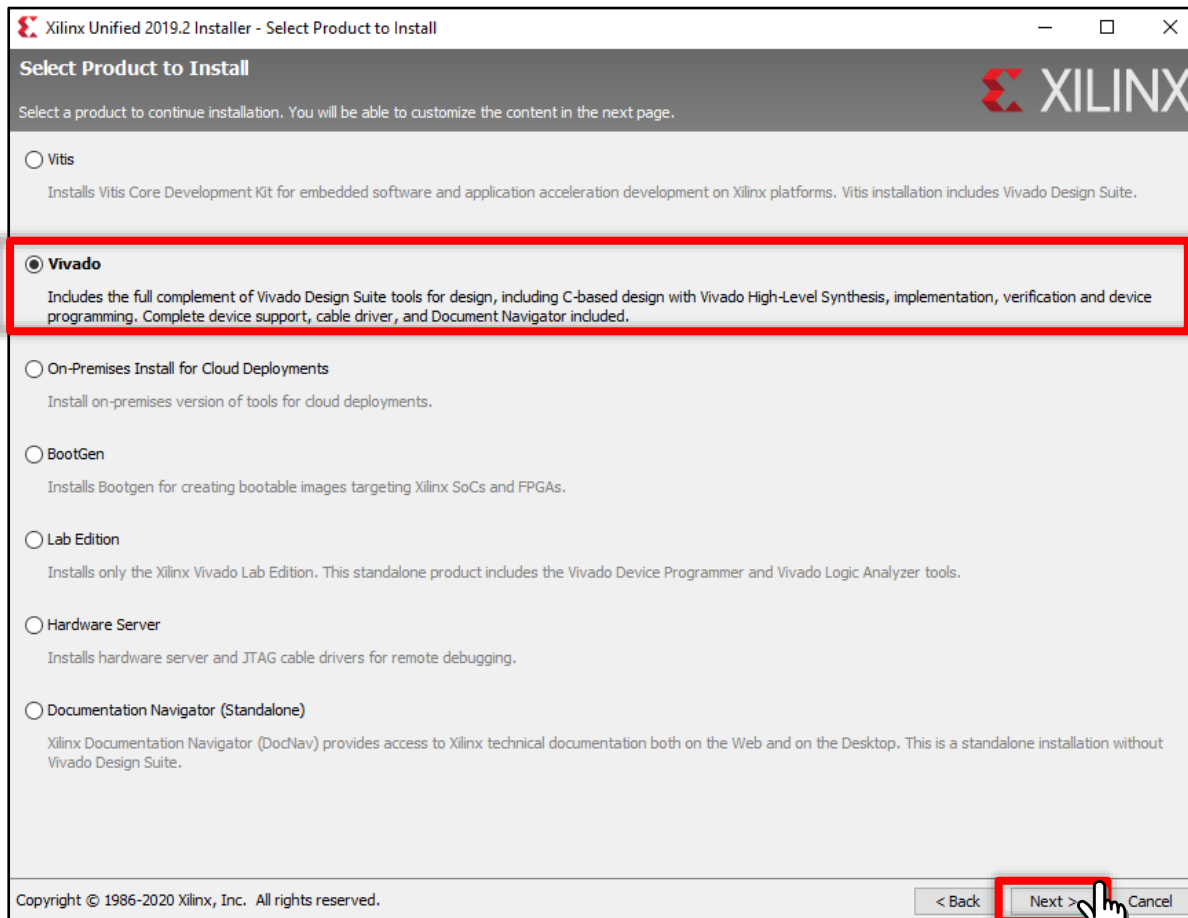
< Back Next > Cancel



# VIVADO INSTALLATION

## ❖ Vivado Installation

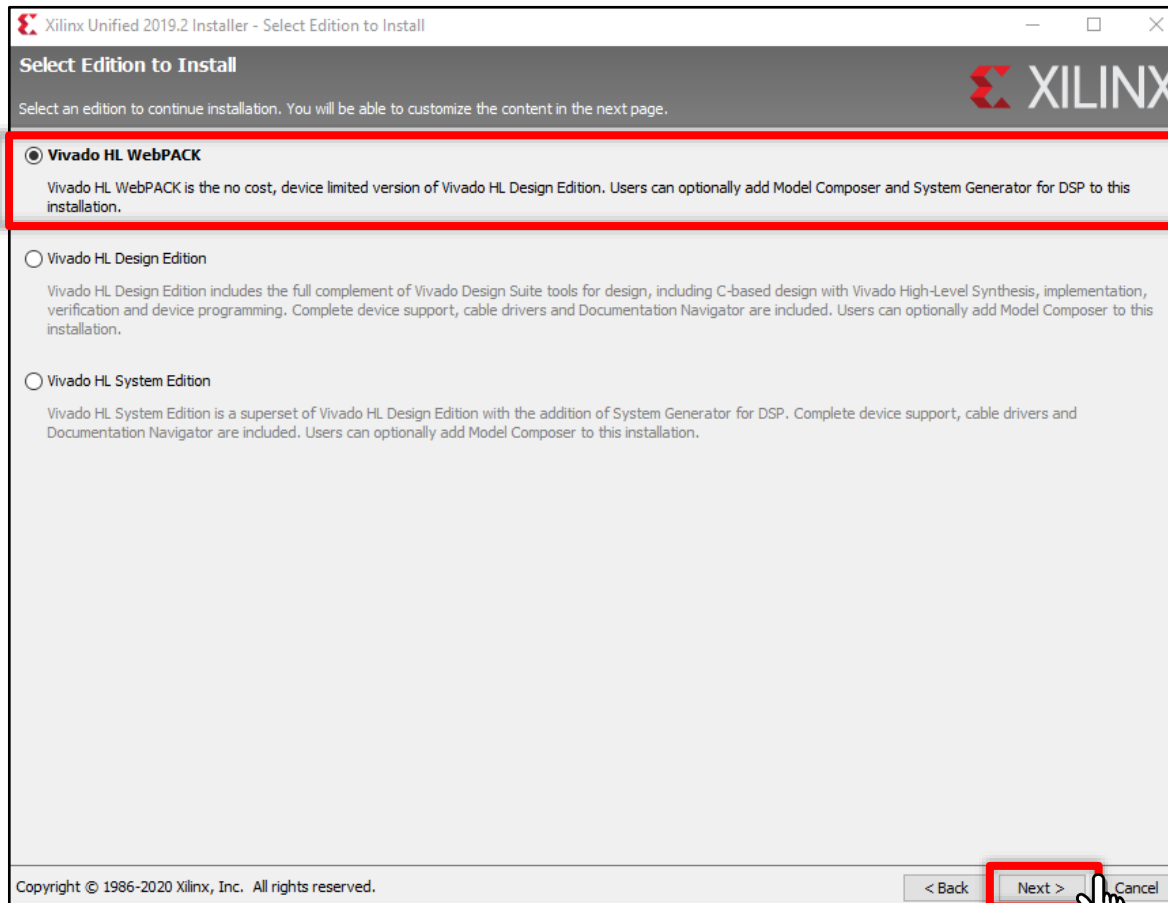
- Choose Products to install and Click Next



# VIVADO INSTALLATION

## ❖ Vivado Installation

- Select edition to install and click next

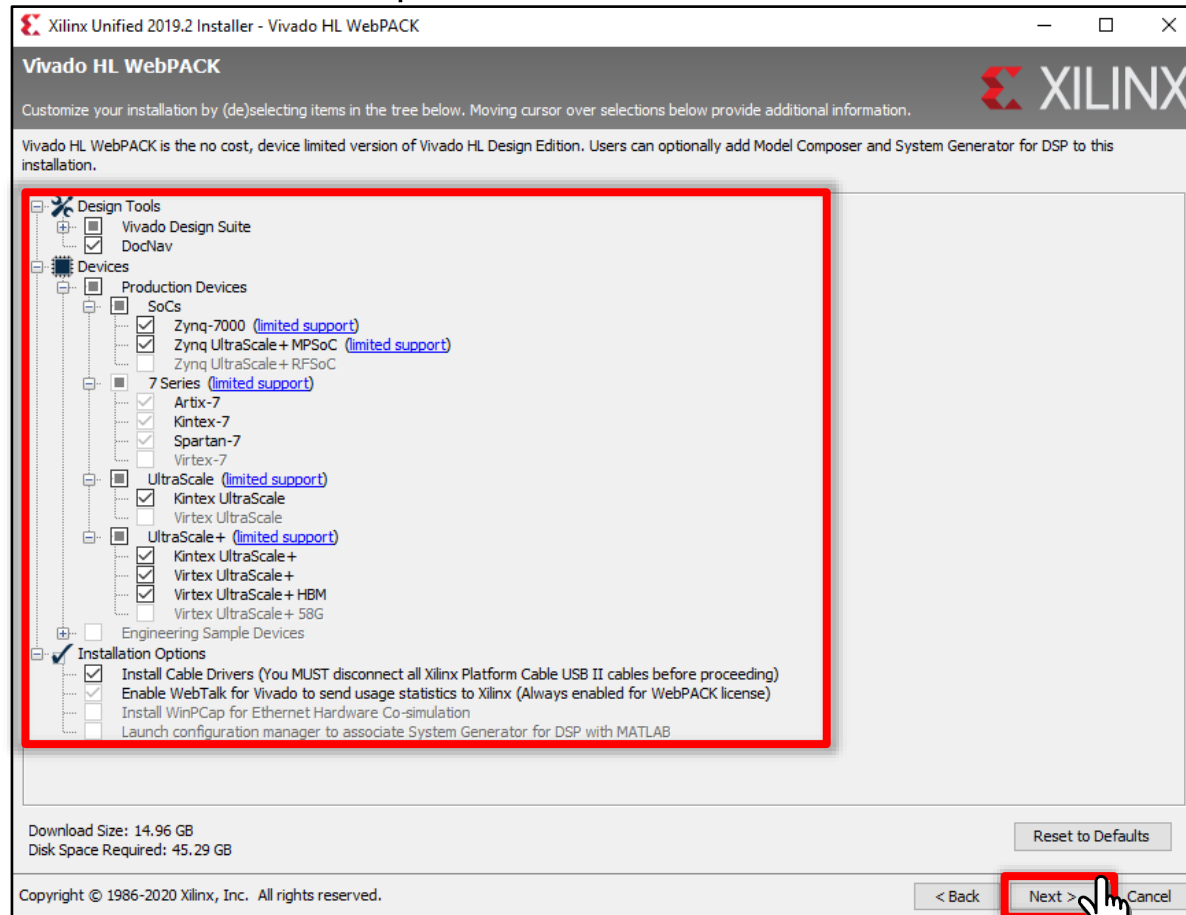




# VIVADO INSTALLATION

## ❖ Vivado Installation

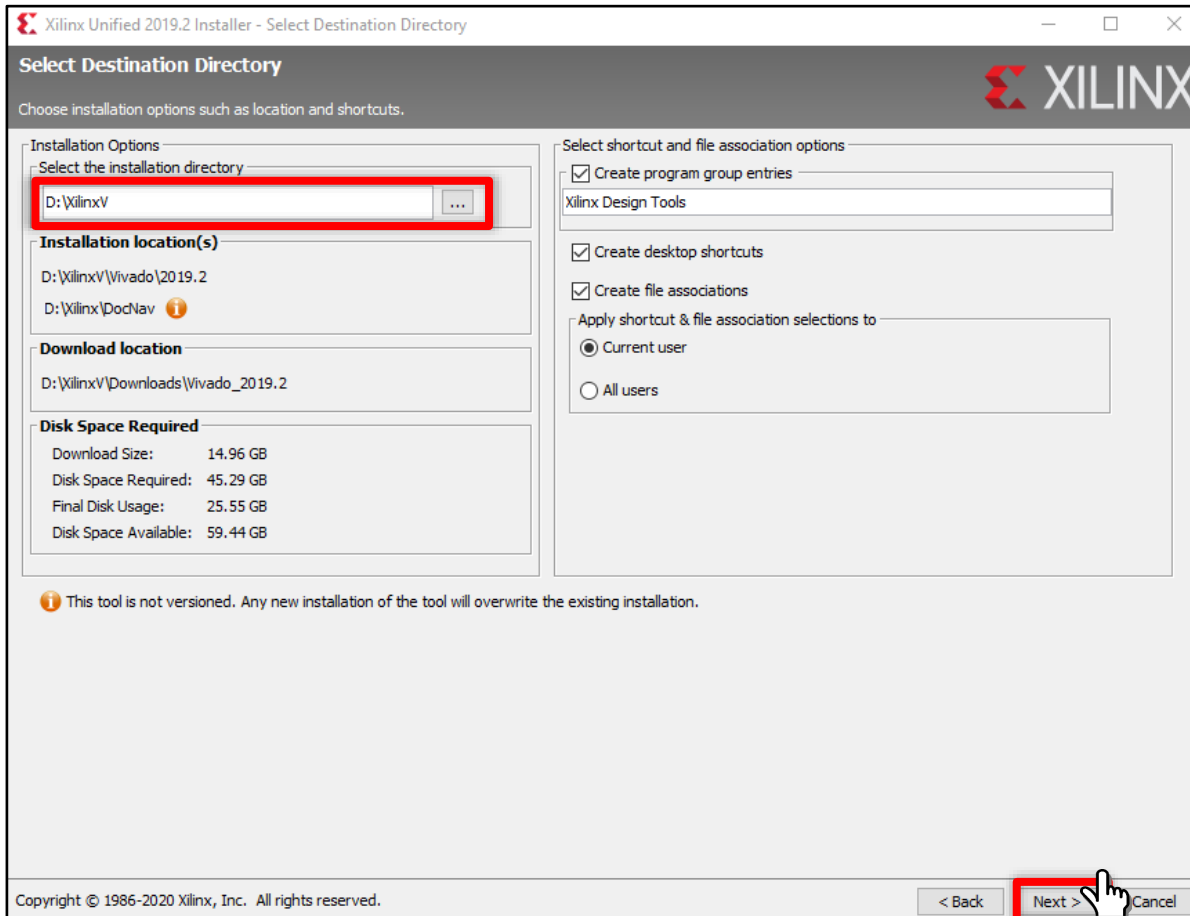
- Choose Installation Options and Click Next



# VIVADO INSTALLATION

## ❖ Vivado Installation

- Check the installation Directory and Click Next



Xilinx Unified 2019.2 Installer - Select Destination Directory

**Select Destination Directory**

Choose installation options such as location and shortcuts.

**Installation Options**

Select the installation directory

D:\XilinxV

**Installation location(s)**

D:\XilinxV\Vivado\2019.2

D:\Xilinx\DocNav ⓘ

**Download location**

D:\XilinxV\Downloads\Vivado\_2019.2

**Disk Space Required**

Download Size:	14.96 GB
Disk Space Required:	45.29 GB
Final Disk Usage:	25.55 GB
Disk Space Available:	59.44 GB

**Select shortcut and file association options**

☒ Create program group entries

Xilinx Design Tools

☒ Create desktop shortcuts

☒ Create file associations

Apply shortcut & file association selections to

☒ Current user

☐ All users

ⓘ This tool is not versioned. Any new installation of the tool will overwrite the existing installation.

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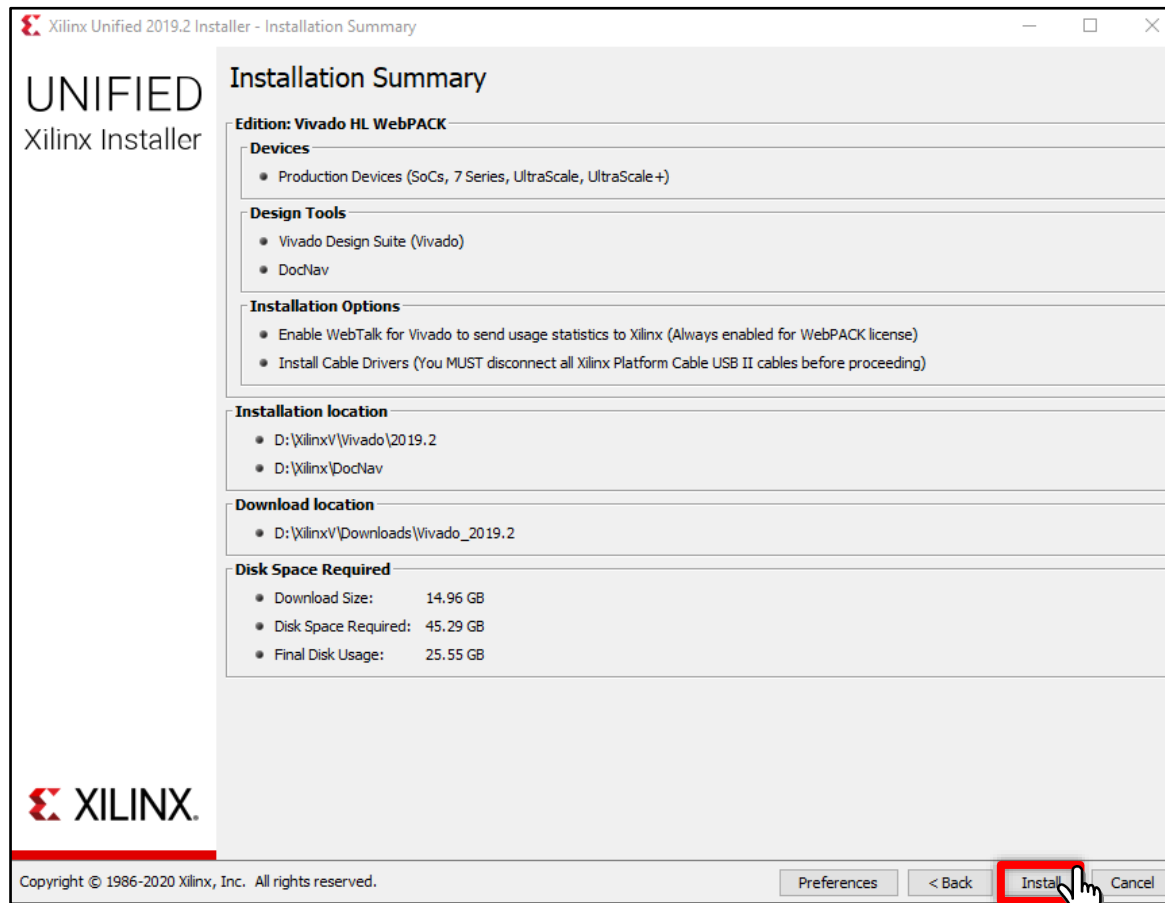
< Back Next > Cancel



# VIVADO INSTALLATION

## ❖ Vivado Installation

- Check Summary and Click Install



# VIVADO INSTALLATION

## ❖ Vivado Installation

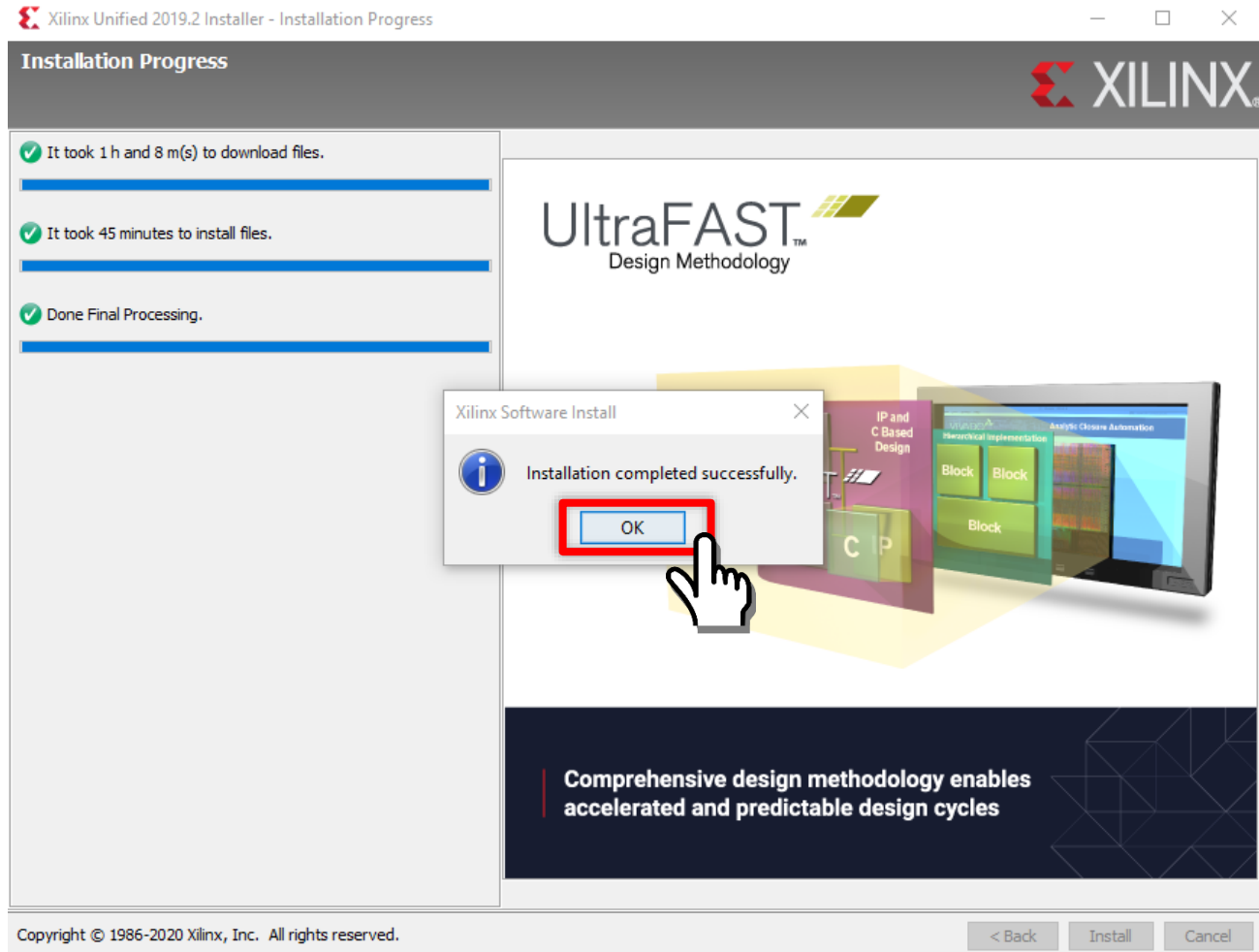
### ☐ Installing



# VIVADO INSTALLATION

## ❖ Vivado Installation

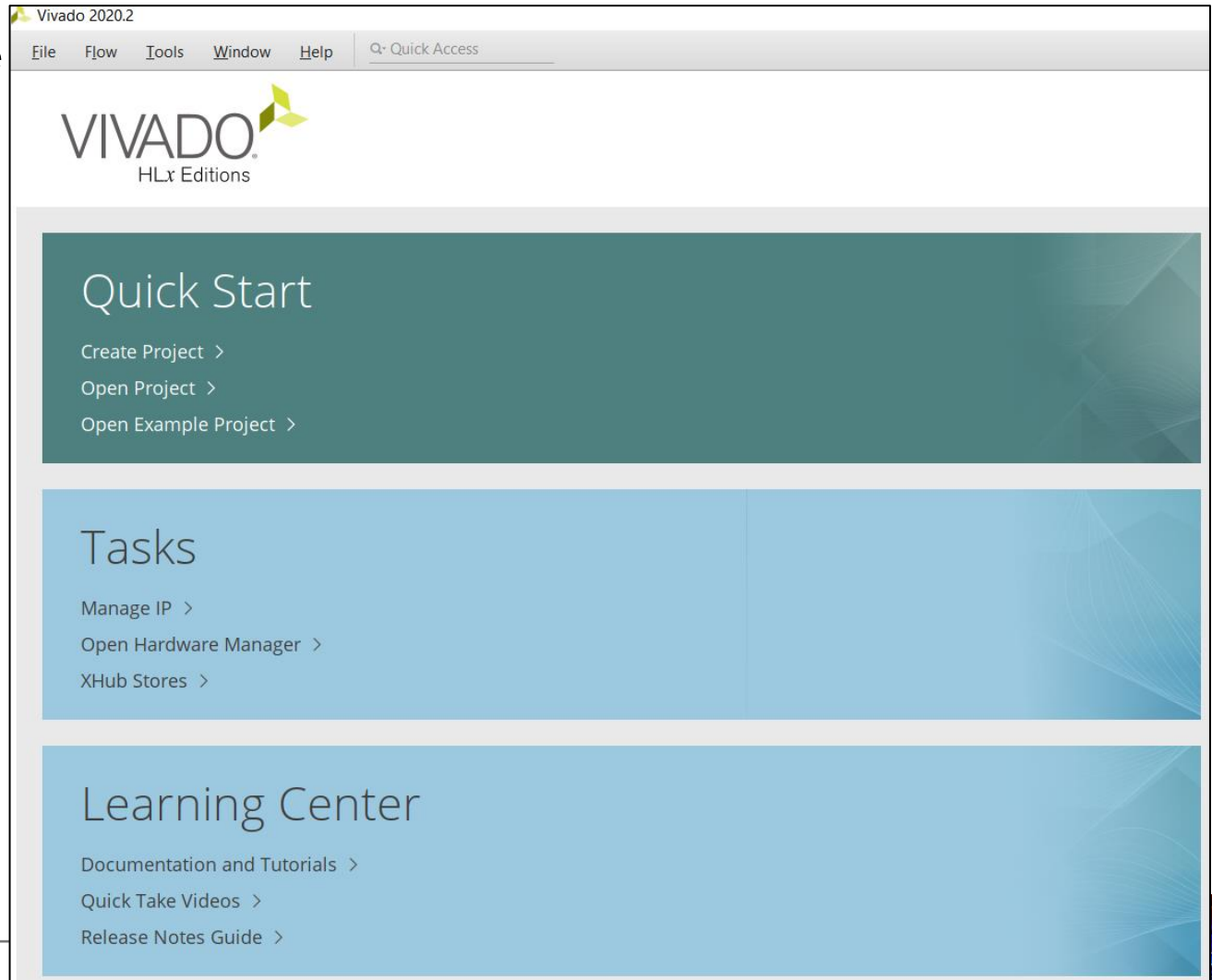
□ Click OK



# VIVADO INSTALLATION

## ❖ Vivado START PAGE

### □ Start Page

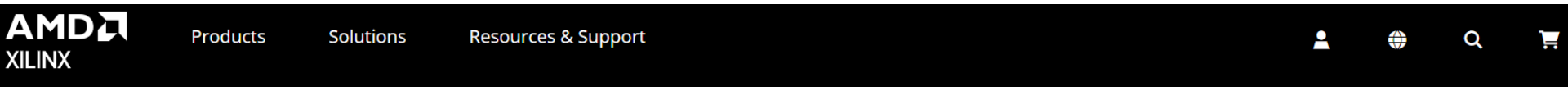




# VIVADO 2019.2 INSTALLATION

## ❖ Vivado 2019.2 Licensing

☐ Click Licensing Help



[Home](#) / [Adaptive Computing Support](#) / [Downloads](#)

## Downloads



[Vivado \(HW Developer\)](#)

[Vitis \(SW Developer\)](#)

[Vitis Embedded Platforms](#)

[Power Design Manager](#)

[Alveo Packages](#)

[PetaLinux](#)

[Device Models](#)

[Documentation Navigator](#)

## Version

We strongly recommend using the latest releases available.

[2023.1](#)

[2022.2](#)

[2022.1](#)

[Vivado Archive](#)

2021

2021.1

2021.2

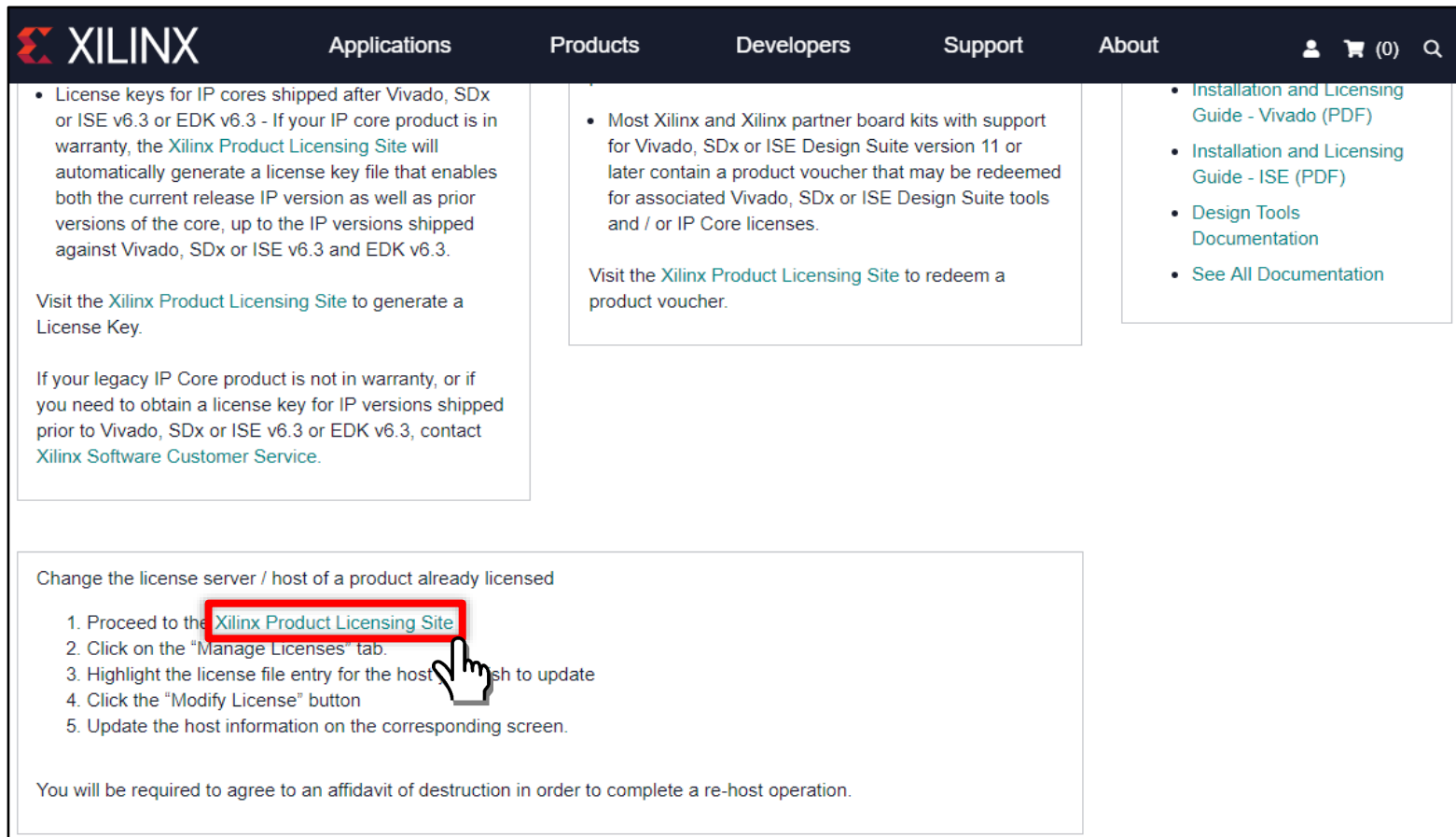




# VIVADO INSTALLATION

## ❖ Vivado Licensing

### □ Click Xilinx Product Licensing Site



The screenshot shows the Xilinx website with the following navigation tabs: Applications, Products, Developers, Support, and About. The Products tab is selected. The main content area is divided into three columns. The left column contains text about license keys for IP cores and a link to the Xilinx Product Licensing Site. The middle column contains text about board kits and a link to the Xilinx Product Licensing Site. The right column contains a list of links: Installation and Licensing Guide - Vivado (PDF), Installation and Licensing Guide - ISE (PDF), Design Tools Documentation, and See All Documentation. A red box highlights the 'Xilinx Product Licensing Site' link in the left column, with a hand cursor pointing to it.

**XILINX** Applications Products Developers Support About

- License keys for IP cores shipped after Vivado, SDx or ISE v6.3 or EDK v6.3 - If your IP core product is in warranty, the [Xilinx Product Licensing Site](#) will automatically generate a license key file that enables both the current release IP version as well as prior versions of the core, up to the IP versions shipped against Vivado, SDx or ISE v6.3 and EDK v6.3.

Visit the [Xilinx Product Licensing Site](#) to generate a License Key.

If your legacy IP Core product is not in warranty, or if you need to obtain a license key for IP versions shipped prior to Vivado, SDx or ISE v6.3 or EDK v6.3, contact [Xilinx Software Customer Service](#).

- Most Xilinx and Xilinx partner board kits with support for Vivado, SDx or ISE Design Suite version 11 or later contain a product voucher that may be redeemed for associated Vivado, SDx or ISE Design Suite tools and / or IP Core licenses.

Visit the [Xilinx Product Licensing Site](#) to redeem a product voucher.

- [Installation and Licensing Guide - Vivado \(PDF\)](#)
- [Installation and Licensing Guide - ISE \(PDF\)](#)
- [Design Tools Documentation](#)
- [See All Documentation](#)

Change the license server / host of a product already licensed

1. Proceed to the [Xilinx Product Licensing Site](#)
2. Click on the "Manage Licenses" tab.
3. Highlight the license file entry for the host to update
4. Click the "Modify License" button
5. Update the host information on the corresponding screen.

You will be required to agree to an affidavit of destruction in order to complete a re-host operation.





# VIVADO INSTALLATION

## ❖ Vivado Licensing

### □ Click Manage Licenses

[Create New Licenses](#) [Manage Licenses](#)

**Have a Voucher to Redeem? ?**  
XXXX-XXXXXX-XXXX-XXXXXX  
  
[Redeem Now](#)

**Evaluation and No Charge Cores ?**  
Search the **Evaluation** and **No Charge** cores catalog and add specific cores to table below  
[Search Now](#)

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

Certificate Based Licenses

Product	Type	License	Available Seats	Status	Subscription End Date
<input type="checkbox"/> <a href="#">ISE Embedded Edition License</a>	Certificate - No Charge	Node	1/1	Current	None
<input type="checkbox"/> <a href="#">Model Composer : 90-day Evaluation License</a>	Certificate - Evaluation	Node	1/1	Current	90 days
<input type="checkbox"/> <a href="#">Vivado Design Suite: 30-Day Evaluation License</a>	Certificate - Evaluation	Node	1/1	Current	30 days
<input type="checkbox"/> <a href="#">SDSoC Environment, 60 Day Evaluation License</a>	Certificate - Evaluation	Node	1/1	Current	60 days
<input type="checkbox"/> <a href="#">SDAccel OpenCL Development Environment: 30 Day Node Locked Evaluation Lice...</a>	Certificate - Evaluation	Node	1/1	Current	30 days
<input type="checkbox"/> <a href="#">Vivado Design Suite: HL WebPACK 2015 and Earlier License</a>	Certificate - No Charge	Node	1/1	Current	None
<input type="checkbox"/> <a href="#">Xilinx MicroBlaze/All Programmable SoC Software Development Kit – Standalone</a>	Certificate - No Charge	Node	1/1	Current	None
<input type="checkbox"/> <a href="#">PetaLinux Tools License</a>	Certificate - Evaluation	Node	1/1	Current	365 days
<input type="checkbox"/> <a href="#">Vivado HLS Evaluation License</a>	Certificate - Evaluation	Node	1/1	Current	30 days

[Generate Node-Locked License](#)





# VIVADO INSTALLATION

## ❖ Vivado Licensing

- Check Manage Licenses → Node

Product Licensing

Help

Create New Licenses Manage Licenses

Host Name	Host Type	Host ID	License Type	OS	Created By	Created Date
*	*	*	Node	*	DENNIS GOOKYI	09 MAR 2018

ISE WebPACK License

Product	Type	Status	Subscription End Date	Activated Seats
ISE WebPACK License	Certificate - No Charge	Current	None	1

Modify License



# VIVADO INSTALLATION

## ❖ Vivado Licensing

- Select the Licenses and Click Next

**1 PRODUCT SELECTION**

Product Selections	Product	Type	Availability
<input type="checkbox"/>	Vivado Design Suite: 90-day Evaluation License	Evaluation	1/1
<input type="checkbox"/>	Model Composer : 90-day Evaluation License	Evaluation	1/1
<input checked="" type="checkbox"/>	Vivado Design Suite: HL WebPACK 2015 and Earlier License	No Charge	1/1
<input checked="" type="checkbox"/>	ISE Embedded Edition License	No Charge	1/1
<input type="checkbox"/>	SDSoC Environment, 60 Day Evaluation License	Evaluation	1/1

[Click here to add Evaluation and No Charge cores to product table](#)

**2 SYSTEM INFORMATION**

License	Node
Host ID *?	Select a host...

**3 COMMENTS**

Comments ?		
------------	--	--

[Cancel](#)



# VIVADO INSTALLATION

## ❖ Vivado Licensing

□ Click Next

Modify Node License

**4** REVIEW LICENSE REQUEST

Product Selections

Product	Subscription End Date	Available Seats	Requested Seats
Xilinx MicroBlaze/All Programmable SoC Software De...		1/1	1
ISE WebPACK License		0/1	1
Vivado Design Suite: HL WebPACK 2015 and Earlier ...		1/1	1

System Information

License	Node
Host ID	8e4509a6

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/webtalk](http://www.xilinx.com/webtalk).

Previous Next Cancel






# VIVADO INSTALLATION

## ❖ Vivado Licensing

- Check your Email to Download License

### Congratulations

Your new license file has been successfully generated and e-mailed to [dennisgookyi@gmail.com](mailto:dennisgookyi@gmail.com). You can also view the license file under the Manage Licenses tab. 

Please add this sender ([xilinx.notification@entitlenow.com](mailto:xilinx.notification@entitlenow.com)) to your address book.

### License File Details

Node License

Host ID: 8e4509a6

### Products

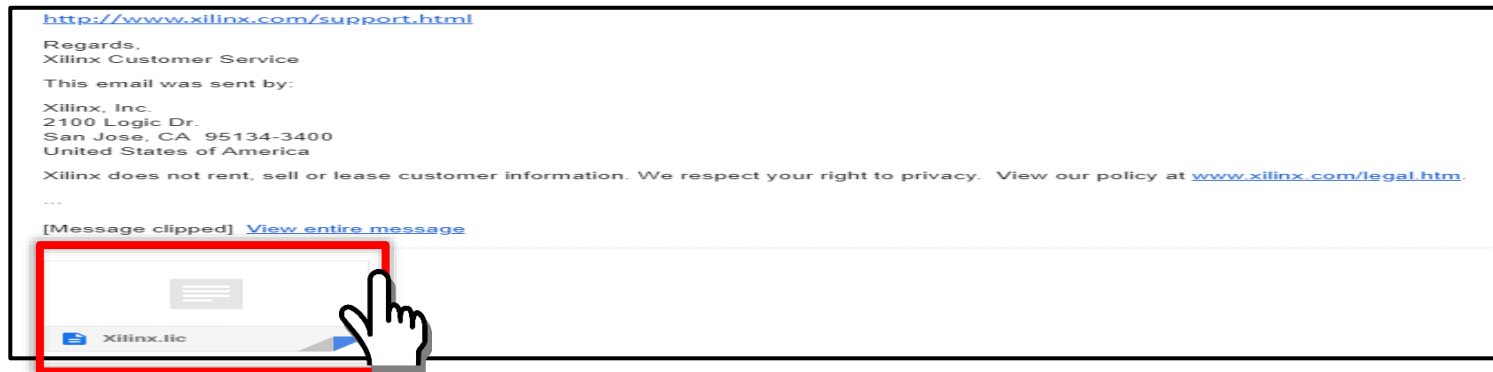
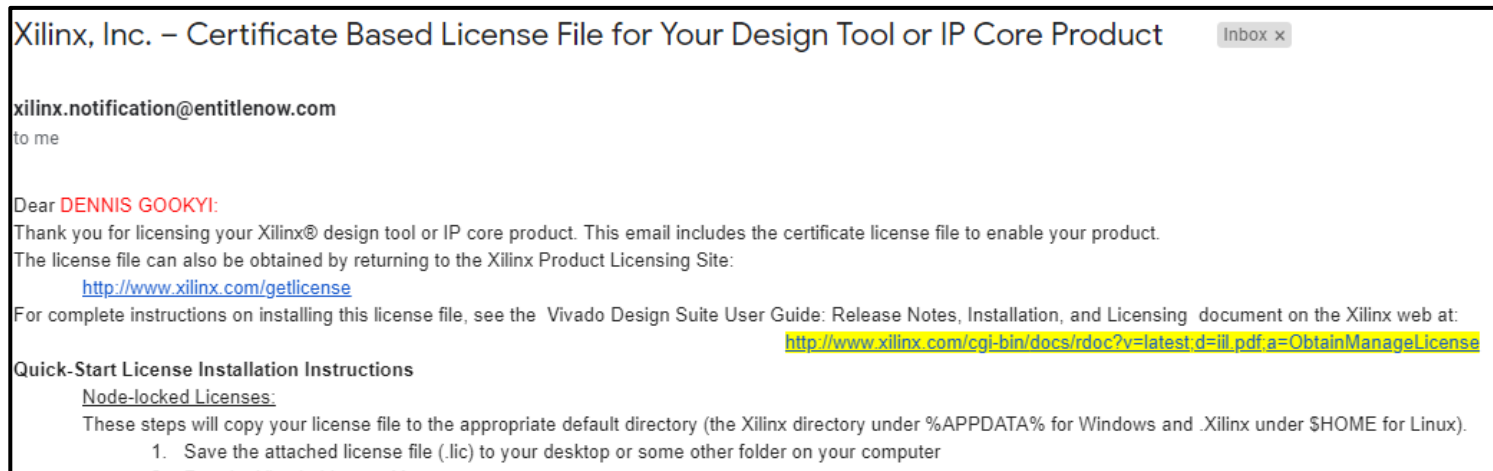
Xilinx MicroBlaze/All Programmable SoC Software Development Kit – Standalone (No Charge): 1 seats  
ISE WebPACK License (No Charge): 1 seats  
Vivado Design Suite: HL WebPACK 2015 and Earlier License (No Charge): 1 seats  
ISE Embedded Edition License (No Charge): 1 seats



# VIVADO INSTALLATION

## ❖ Vivado Licensing

### □ Check Email and Download Xilinx.lic

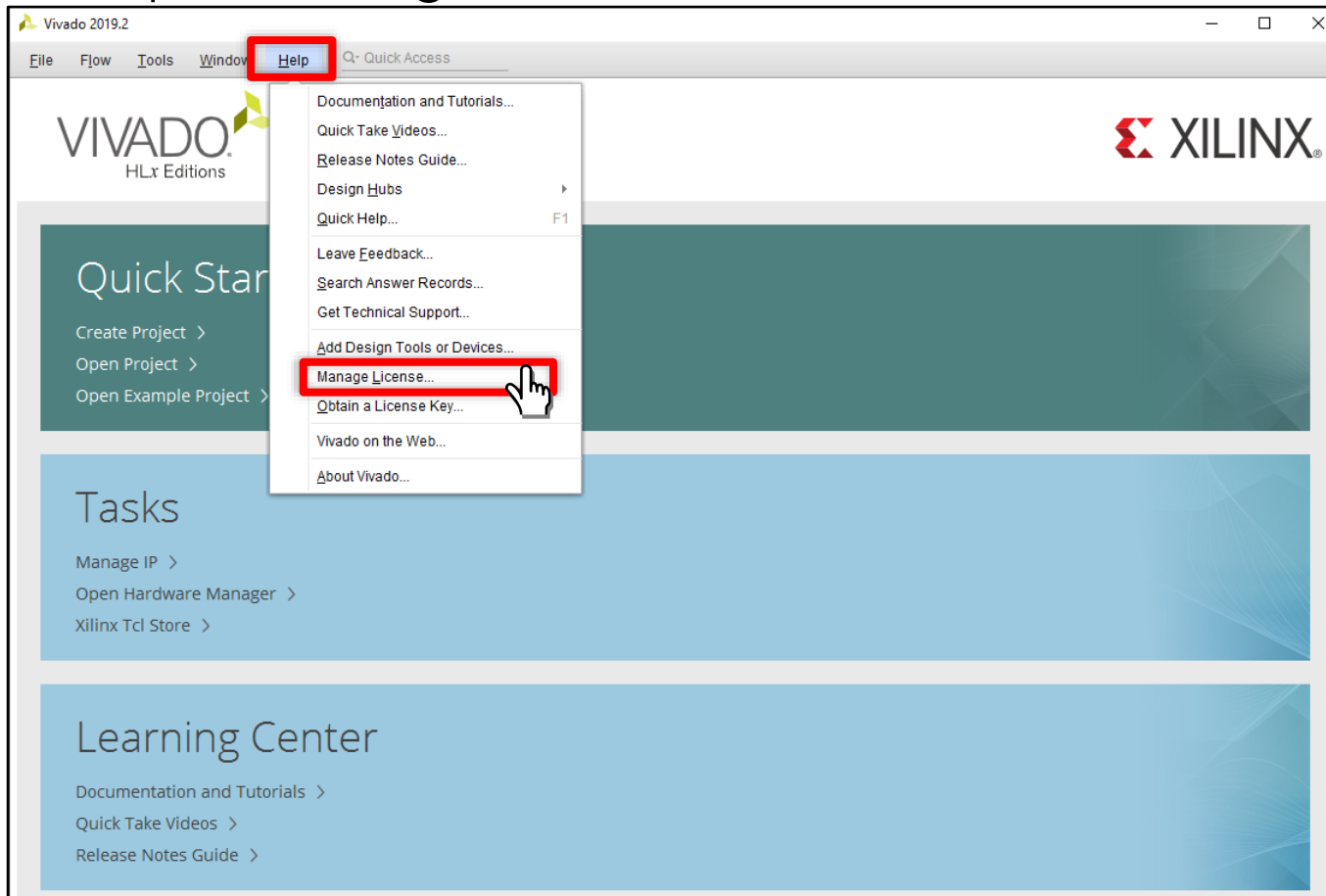




# VIVADO INSTALLATION

## ❖ Vivado Licensing

□ Click Help -> Manage License



# VIVADO INSTALLATION

## ❖ Vivado Licensing

- Click Load License -> Copy License -> Xilinx.lic

