Vivado Installation Instructions
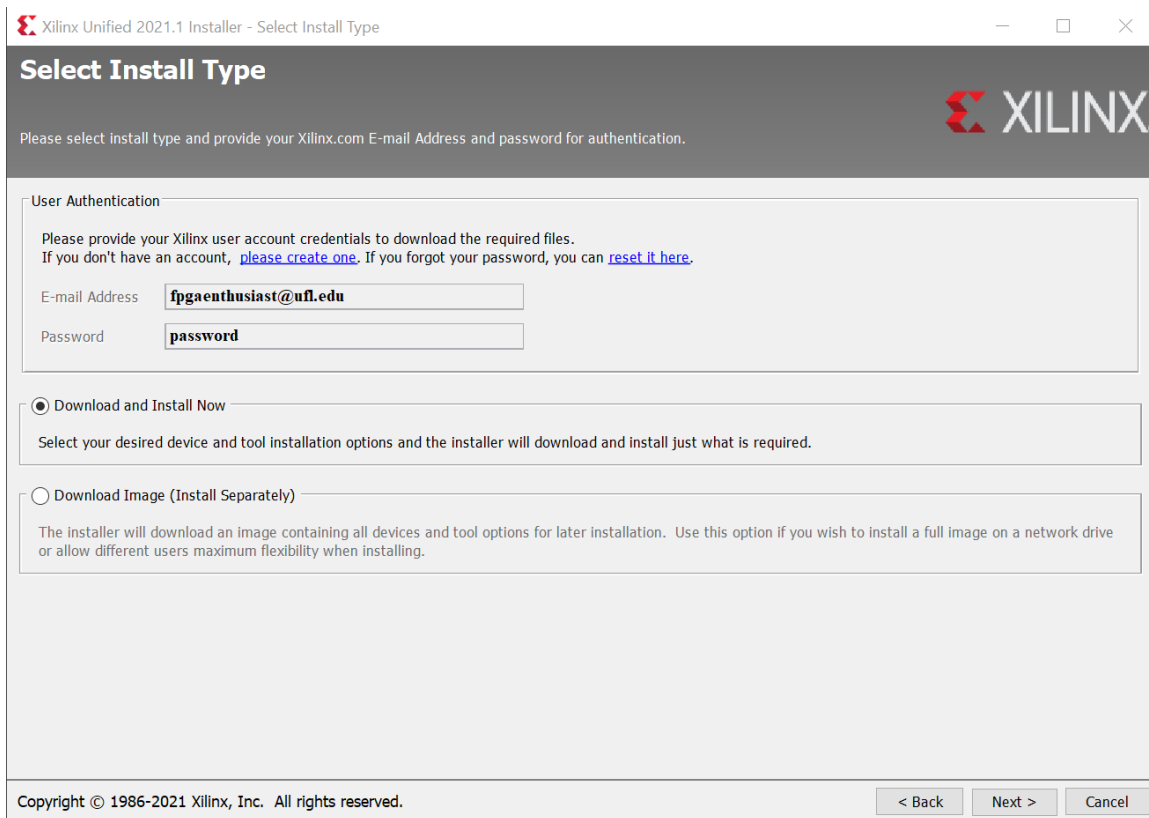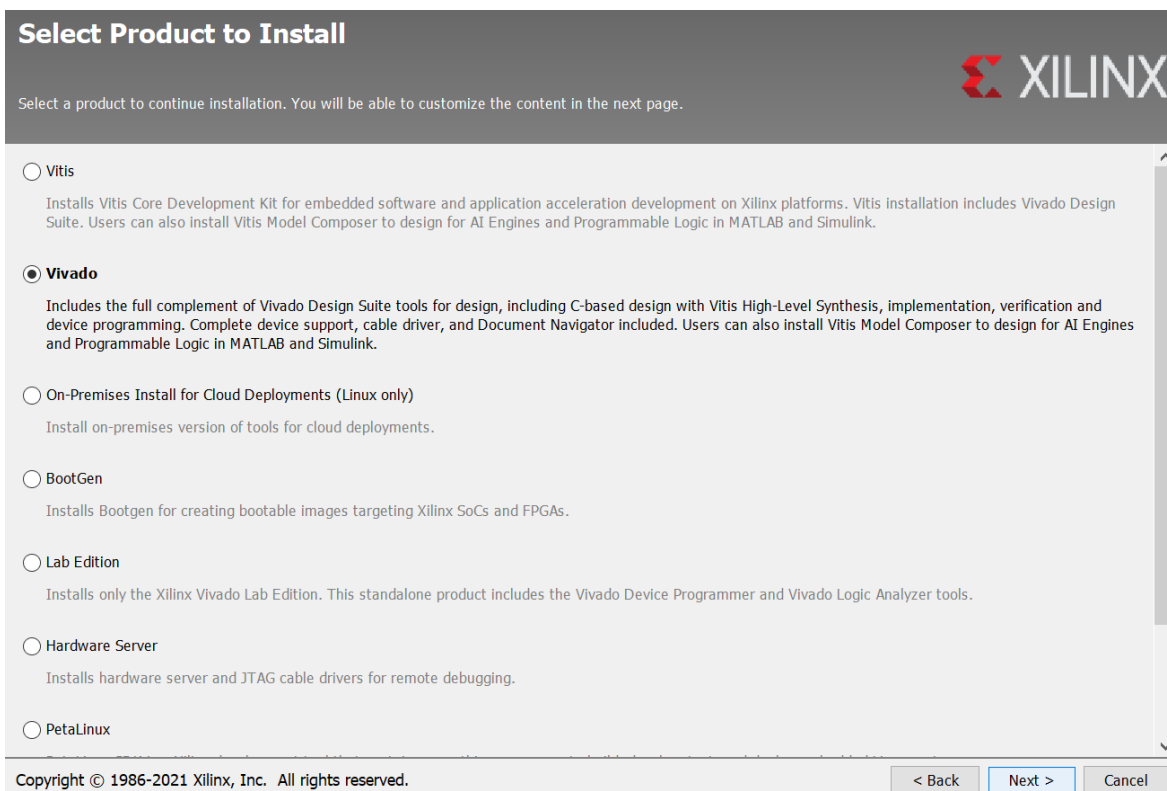
Make a Xilinx Student Account

Select: Xilinx Unified Installer 2021.1: Windows Self Extracting Web Installer

Figure 1: Support for every device not needed; saves space

Select Edition to Install

Select an edition to continue installation. You will be able to customize the content in the next page.

◉ **Vivado ML Standard**

Vivado ML Standard Edition is the no-cost, device limited version of the Vivado ML Enterprise edition. Users can add Vitis Model Composer which is a Xilinx toolbox for MATLAB and Simulink to design for AI Engines and Programmable Logic. If you have been using Xilinx System Generator for DSP, you can continue development using Vitis Model Composer.

◯ Vivado ML Enterprise

Vivado ML Enterprise Edition includes the full complement of Vivado Design Suite tools for design, including C-based design with Vitis HLS, implementation, verification, and device programming. Complete device support, cable drivers, and documentation Navigator are included. Users can add Vitis Model Composer which is a Xilinx toolbox for MATLAB and Simulink to design for AI Engines and Programmable Logic. If you have been using Xilinx System Generator for DSP, you can continue development using Vitis Model Composer.

[< Back] [Next >] [Cancel]

Vivado ML Standard

Customize your installation by (de)selecting items in the tree below. Moving cursor over selections below provide additional information.

Vivado ML Standard Edition is the no-cost, device limited version of the Vivado ML Enterprise edition. Users can add Vitis Model Composer which is a Xilinx toolbox for MATLAB and Simulink to design for AI Engines and Programmable Logic. If you have been using Xilinx System Generator for DSP, you can continue development using Vitis Model Composer.

- ☑ Design Tools
  - ☑ Vivado Design Suite
    - ☑ Vivado
    - ☑ Vitis HLS
  - ☐ Vitis Model Composer(Xilinx Toolbox for MATLAB and Simulink. Includes the functionality of System Generator for DSP)
  - ☐ DocNav
- ▣ Devices
  - ▣ Production Devices
    - ▣ SoCs
    - ▣ 7 Series ([limited support](#))
    - ☐ UltraScale ([limited support](#))
    - ☐ UltraScale+ ([limited support](#))
    - ☐ Versal ACAP
  - ☐ Engineering Sample Devices
- ☑ Installation Options
  - ☐ Install Cable Drivers (You MUST disconnect all Xilinx Platform Cable USB II cables before proceeding)
  - ☑ Enable WebTalk for Vivado to send usage statistics to Xilinx (Always enabled for Vivado ML Standard license)

Download Size: 24.95 GB
Disk Space Required: 77.61 GB

[Reset to Defaults]

[< Back] [Next >] [Cancel]

Figure 2: This should be the minimum configuration you should need; ends up being ~45 GB

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☐ I Agree

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Select Destination Directory

Choose installation options such as location and shortcuts.

Installation Options

Select the installation directory

`C:\Xilinx`   [...]

Installation location(s)

C:\Xilinx\Vivado\2021.1

C:\Xilinx\Vitis_HLS\2021.1

Download location

C:\Xilinx\Downloads\Vivado_2021.1

Disk Space Required

Download Size: 24.95 GB
Disk Space Required: 77.61 GB
Final Disk Usage: 44.85 GB
Disk Space Available: 307.04 GB

Select shortcut and file association options

☑ Create program group entri...

Xilinx Design Tools

☑ Create desktop shortcuts

☑ Create file associations

Apply shortcut & file association selections to
⦿ Current user
◯ All users

[< Back] [Next >] [Cancel]

Figure 3: Would recommend keeping default installation directory; make sure directory doesn't have any spaces in it (some tools have issue with parsing spaces)

Installation Summary

Edition: Vivado ML Standard

Devices
- Production Devices (SoCs, 7 Series)

Design Tools
- Vivado Design Suite (Vivado, Vitis HLS)

Installation Options
- Enable WebTalk for Vivado to send usage statistics to Xilinx (Always enabled for Vivado ML Standard license)

Installation location
- C:\Xilinx\Vivado\2021.1
- C:\Xilinx\Vitis_HLS\2021.1

Download location
- C:\Xilinx\Downloads\Vivado_2021.1

Disk Space Required
- Download Size: 24.95 GB
- Disk Space Required: 77.61 GB
- Final Disk Usage: 44.85 GB

UNIFIED
Xilinx Installer

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Preferences   < Back   Install   Cancel

Takes around 45 minutes with a decent internet connection.