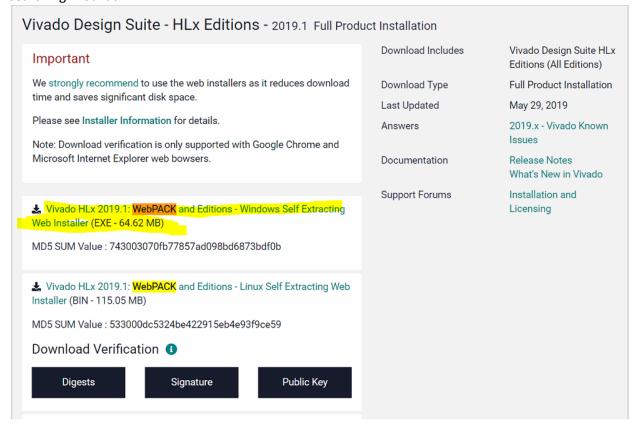# Xilinx Vivado Installation

EE478 Fall 2019

Xilinx Vivado is a very powerful Integrated Development Environment that can be used to enter our digital FPGA designs, test them with the XSim simulator, synthesize and implement them into a programming file, and program our board. It is a huge software suite but the WebPack license is free.
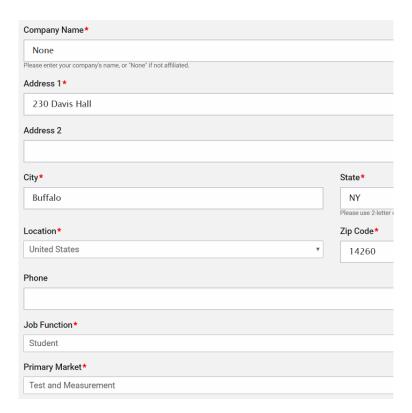
Downloading Vivado

Head to https://www.xilinx.com/support/download.html and select the following download option by searching WebPack:

You will now need to create a free Xilinx account if you don't already have one. Click **Create Your Account** on the next page, fill out the form, confirm the activation email, and log in.
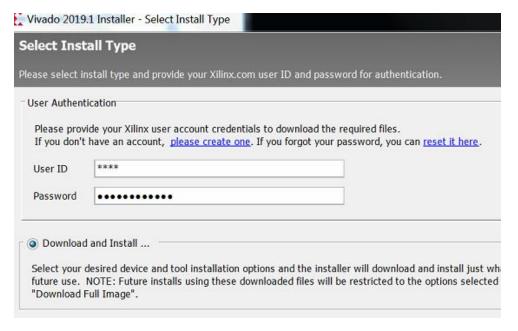
You'll be prompted to complete a form to complete your account setup. You should be able to enter University at Buffalo, and 230 Davis Hall Buffalo NY 14260 for the address. Any choices are fine for Job Function and Primary Market:

The download should now start and take a minute or so. Run the downloaded exe file when it completes.

Installing Vivado

Once the installer self-extractor completes, you should be able to click Next, then enter your Xilinx ID and password with Download and Install selected
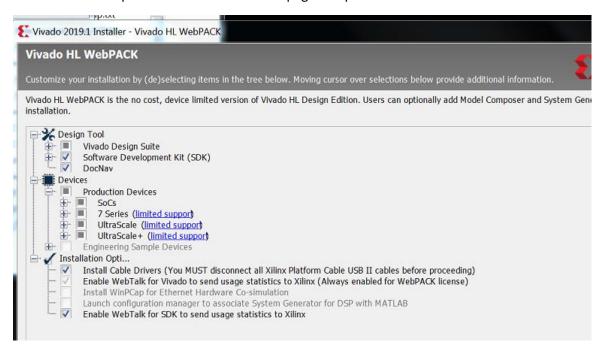
Accept the three license agreements on the next page and press Next.

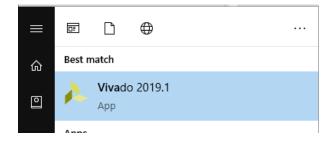Pick Vivado HL WebPACK on the next page.

Leave all default options selected on the next page and press Next

The default C:\Xilinx directory is fine to install to. You need about 23GB of storage to install this application.

Default options are fine for the rest of the installation. Once installation completes, you can verify it was successful by finding Vivado in your Start menu:

Options for Mac Users

Xilinx Vivado is not supported by Mac OS. You have a few options if you only have access to a Mac

1. Install Windows using VirtualBox. You will need a copy of a Windows 7 or 10 installer and you need to give the virtual machine at least 50GB of storage (preferably more). Paid software such as Parallels is fine as well.
2. Install Windows in parallel to your Mac OS using BootCamp.
3. Only use the Lab PCs.