

Installation Notes for Windows and Linux

- 1.) Go to Xilinx.com and create a user account. Xilinx locks everything to the user account created, so create an account and keep the login/password handy.
- 2.) Click on Products -> Hardware Development Zone.
- 3.) Click on the "Vivado Design Suite – HLx Editions" landing page link, and then the "Download Vivado Design Suite" landing page link.
- 4.) Click on the "Download Vivado Design Suite – HLx Editions."
- 5.) From the left-pane select 2016.2.
- 6.) On the Downloads page, select the web installer for your platform.
- 7.) Download this and install. Select the WebPACK option.
- 8.) When the licensing manager pops up, select "Get Free Licenses" and follow on-screen instructions.

Mac Users

Vivado is not currently available for Mac. To run this software, you must do one of the following:

- 1) Dual boot either Windows or Linux with Boot Camp
- 2) Run Windows or Linux in a Virtual Machine
 - a. Install either VirtualBox (free online) or VMWare Fusion (free at calpoly.onthehub.com)
 - b. Create a new VM, preferably with at least 30GB of storage and 2GB of RAM (4 is recommended if your Macbook has 8GB of RAM, 8GB recommended if you have 16 GB of RAM, etc.).
 - c. Download either Windows (free at calpoly.onthehub.com) or a Linux distribution such as Mint or Ubuntu
 - d. Launch your new VM and follow onscreen instructions to install Windows or Linux
 - e. VIRTUALBOX USERS ONLY: Download and install the Extension Pack module from the VirtualBox website. Within your running VirtualBox VM window, once you've logged in to the guest OS, select "Devices->insert guest additions cd image" from the top Virtual Box pane. A CD will appear to be inserted in your guest operating system. Run the CD and allow it to install its software.
 - f. Install Vivado using instructions 1-8 above.
 - g. To program the Basys Board, you will need to forward your Mac's USB port to the guest os. In VirtualBox, this is done by selecting "Devices->USB-><whatever usb port the Basys is connected to." Once successfully forwarded, a Windows Guest OS will install the Basys3 drivers after which time you can program the board. For a Linux Guest OS, try to program the board to see if forwarding was successful.
- 3) Use Vivado on lab computers