

Free tool download and installation guide

As of December 10, 2010, Xilinx no longer generates licenses for ModelSim Xilinx Edition, so you may not be able to obtain ModelSim Xilinx Edition (MXE), as installed on the lab computers.

The official versions of Xilinx & ModelSim installed on the lab machines are Xilinx ISE 9.1i and ModelSim 6.4b. These will be the official versions used to grade your labs. Although the alternative versions listed below should produce the same results, it is your responsibility to ensure that VHDL code written in whatever version you are using will compile and simulate correctly on the lab machines.

As noted before, these instructions are provided as a courtesy. You are responsible for any technical issues you may run into installing or using this software.

Xilinx WebPACK download and installation guide

- 1) Create your account at www.xilinx.com
 - a. Go to www.xilinx.com
 - b. Click [Sign in to access account](#) on upper right corner.
 - c. Click "Create Account" and create your account.
 - d. **Account activation e-mail** will be sent in few minutes.
 - e. Check your e-mail and activate your account according to the instruction on the e-mail.
- 2) ISE WebPack 9.1i, 10.1, or other version of your choice (Free) Installation
 - a. Open ISE WebPACK download page below
http://www.xilinx.com/ise/logic_design_prod/webpack.htm
 - b. **Registration ID** will show up before download starts.
You have to type this Registration ID during installation. Please write it down.
(or you can find it from your account in Xilinx webpage:
search for [Obtain a v10.1 \(or your downloaded version\) Registration](#) link on the version selection page)
 - c. Download the software, extract zip file, and run "setup.exe"
 - d. Welcome screen : Next
 - e. Enter **Registration ID** you acquired on step 2b
 - f. Keep clicking next button then install.

For home use, we recommend the ISE Simulator that is included in the Xilinx ISE WebPack 10.1. Version 10.1 has a more user-friendly simulator than 9.1.

Also note that Xilinx has limited support for 64-bit operating systems. Xilinx ISE 12.4 has been tested to work with Windows 7 Professional 64-bit. However, there are subtle differences in the workflow & the automatically generated test benches are not the same as the test benches created by versions 9.1 and 10.1. Some fine-tuning will need to be done by the end user.