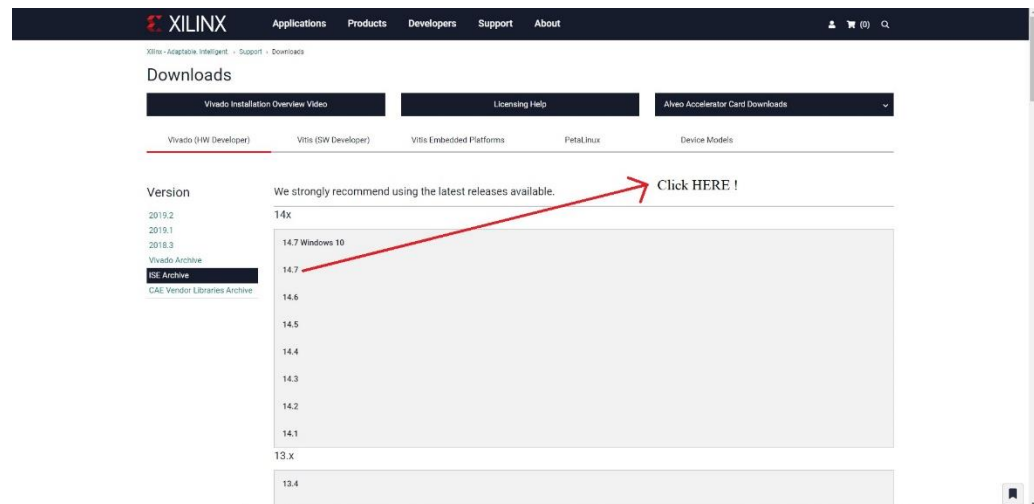# LAB 05 – Xilinx ISE 14.07 Installation Guide

Before studying LAB, everyone (individually) MUST install Xilinx ISE.
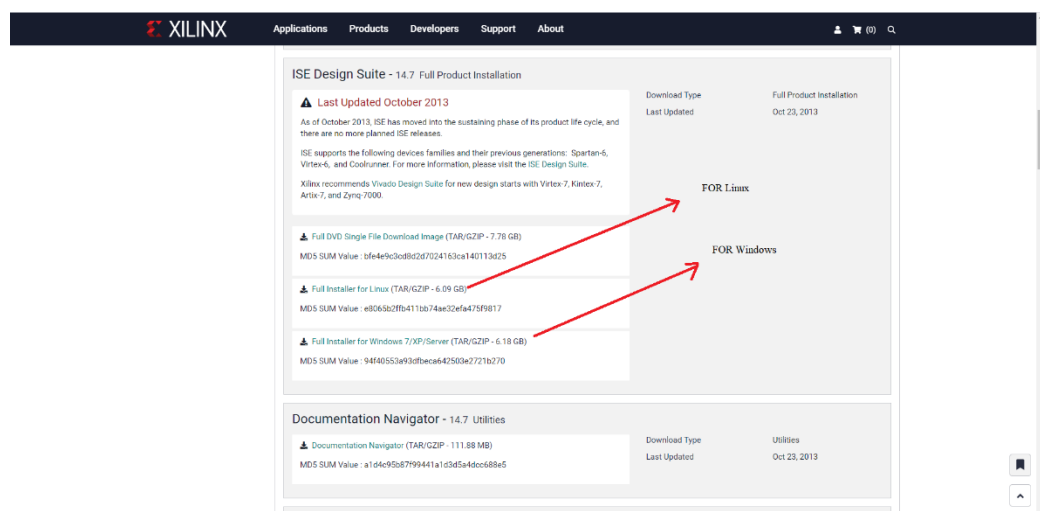
Part 1 – Xilinx ISE Installation

Xilinx ISE download instructions:

0. You need 16GB of empty disk space.
1. Please go to:
    https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/vivado-design-tools/archive-ise.html
2. Click version 14.7 on the top left.

3. Scroll down a little bit and download "Full Installer for Windows" or "Full Installer for Linux".

4. Create a new account and start download.
5. Watch the video in the below link up to 3.57
    https://www.youtube.com/watch?v=VMEIPCjqinA
    (You can watch the rest of the video for next two parts)

Part 2 – Bug Fixes

If you have trouble with opening Xilinx for windows 10 x64:

1. Please go to:
    https://forums.xilinx.com/t5/Design-Entry/ISE-12-3-crashing-on-file-open/td-p/107305
2. Or go to C:\Xilinx\14.7\ISE_DS\ISE\lib\nt64
    Then rename libPortability.dll to libPortability.dll.orig

    And again rename libPortabilityNOSH.dll to libPortability.dll.

If you have trouble Simulink with "failed to link design":

1. Please go to:
    https://forums.xilinx.com/t5/Simulation-and-Verification/ISim-ISE147-quot-ERROR-Simulator-861-Failed-to-link-the-design/td-p/723754
2. Or go to C:\Xilinx\14.7\ISE_DS\ISE\gnu\MinGW\Beta\nt64\libexec\gcc\x86_64-w64-mingw32\4.4.3
3. Or go to C:\Xilinx\14.7\ISE_DS\ISE\gnu\MinGW\5.0.0\nt\libexec\gcc\mingw32\3.4.2
4. Delete collect2.exe

Part 3 – For licensing

Follow the video in step 5 in part 1 from 7.00 for licensing.