



EFOP-3.4.3-16-2016-00009

A felsőfokú oktatás minőségének és hozzáférhetőségének együttes javítása a Pannon Egyetemen

EMBEDDED SYSTEM DEVELOPMENT

(MISAM154R)





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Magyarország







1. INSTALL XILINX VITIS/VIVADO

Embedded System development environment

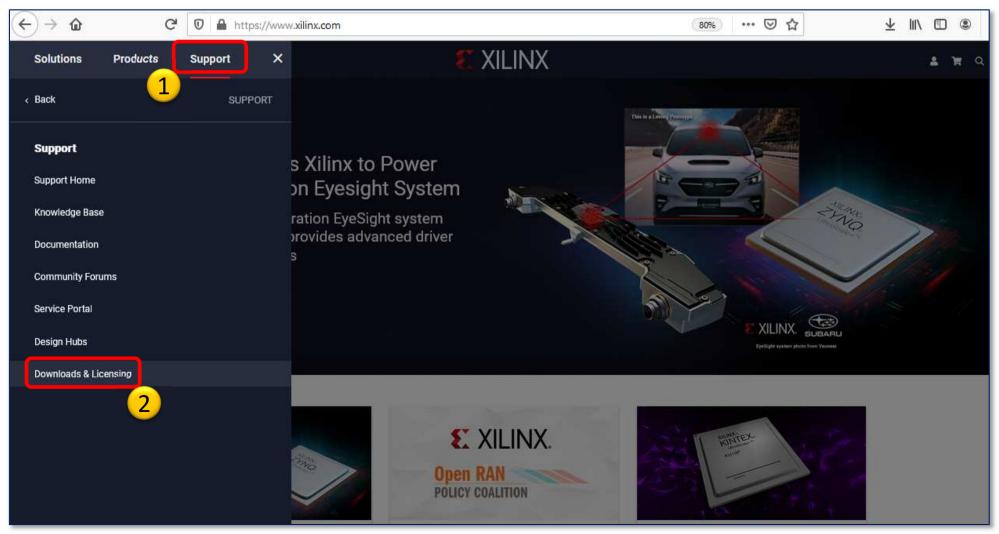






Xilinx website

- Visit XILINX official website:
 - http://www.xilinx.com

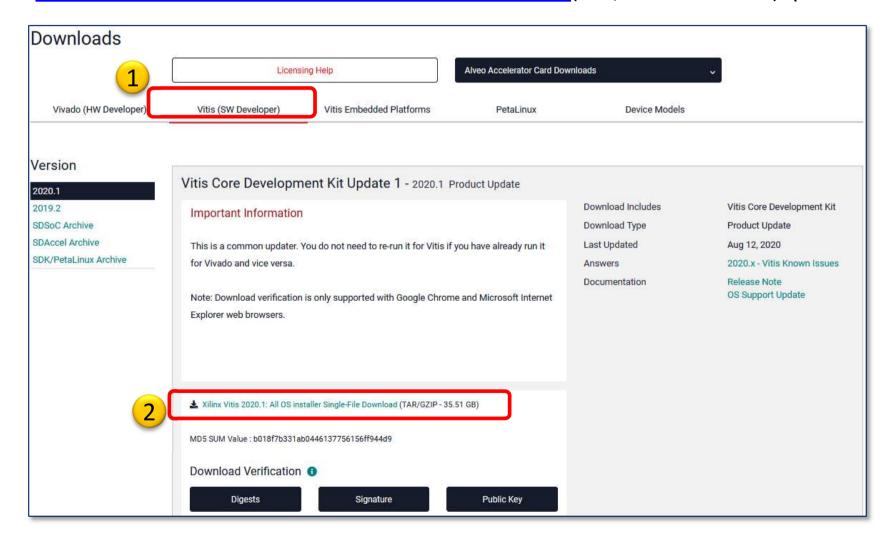


Download package

Select Xilinx Unified Installer 2020.1: Windows Self Extracting Web Installer (EXE - 66.73 MB)

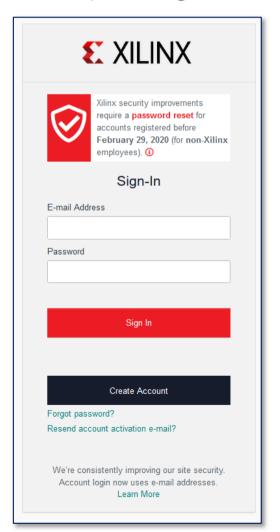
LARGE PACKAGE - OR - SMALL PACKAGE WEB BASED INSTALLER!

Select Vivado HLx 2020.1: All OS installer Single-File Download (TAR/GZIP - 35.51 GB) (Win+Linux)



Sign into Xilinx webpage

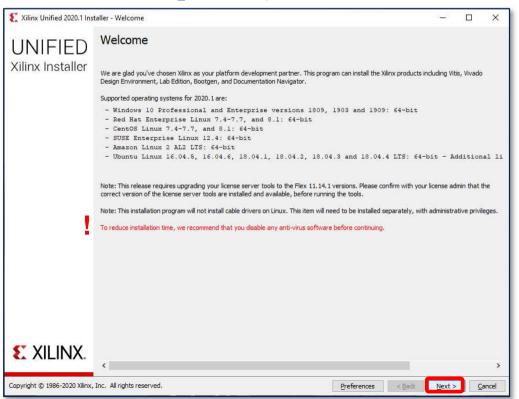
- Sign-in (if you have Xilinx account) or
- Create a new account (free registration with a valid email address)



Run installation

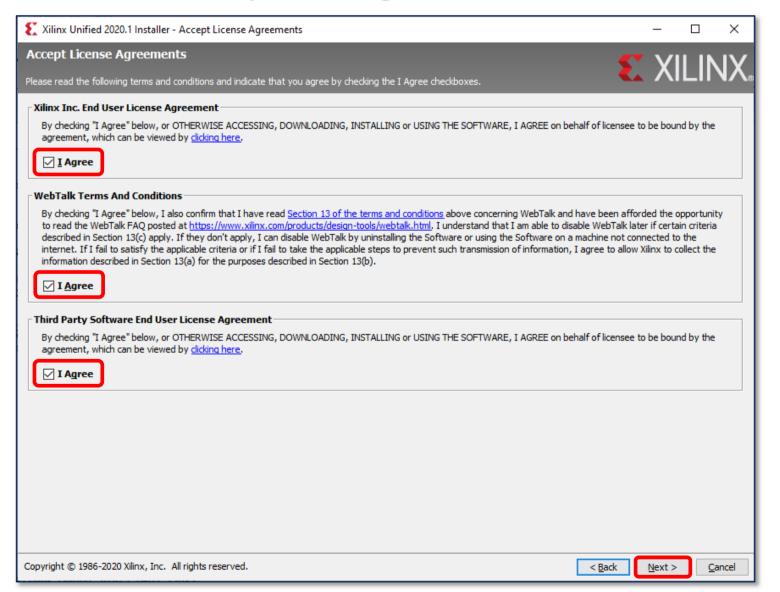
- If you downloaded the <u>Vivado HLx 2020.1: All OS installer Single-File Download</u> (TAR/GZIP **35.51 GB**) larger / full install package, then:
 - Unzip and untar the package,
 - Locate and run Xsetup.exe,





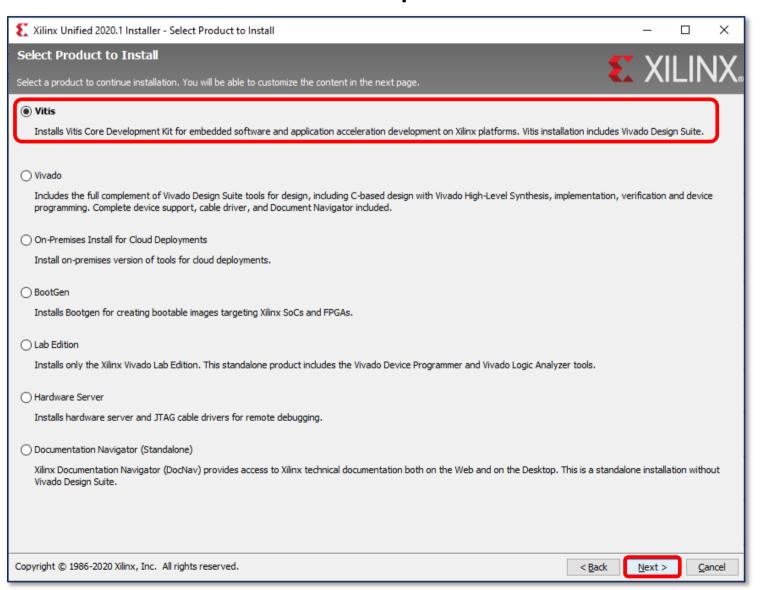
License agreements

Check and accept all agreements

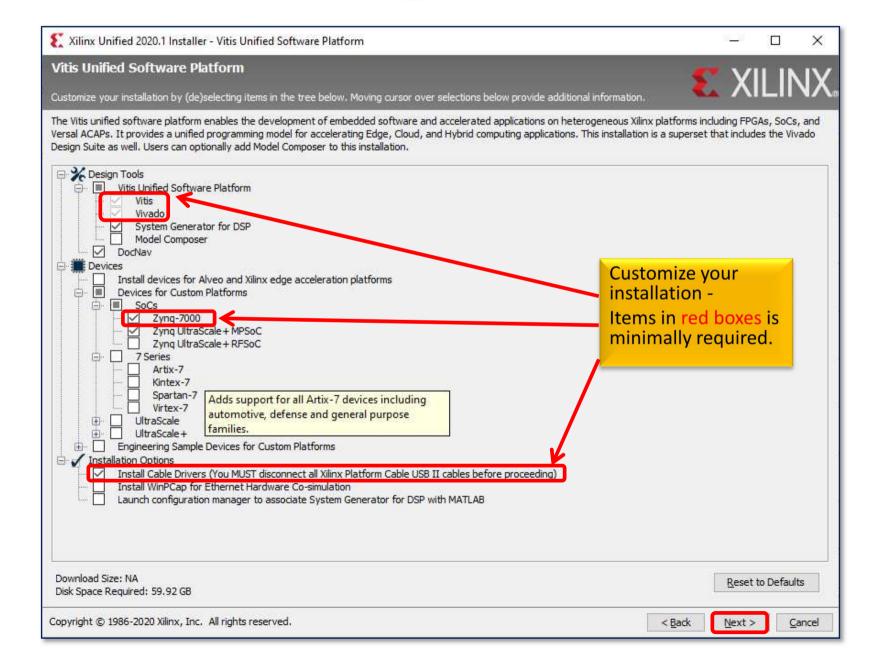


Select product to install - VITIS

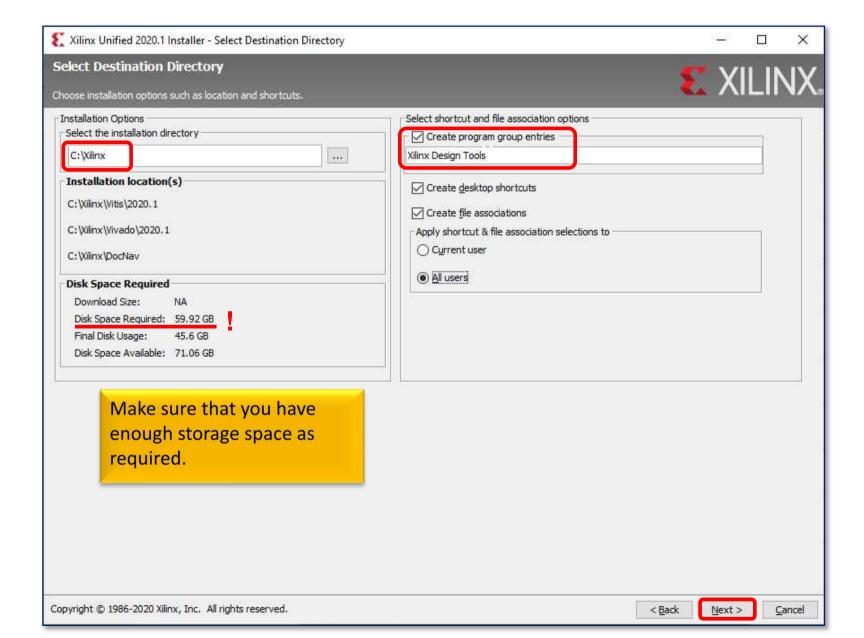
VITIS: includes VITIS Unified platform + Vivado



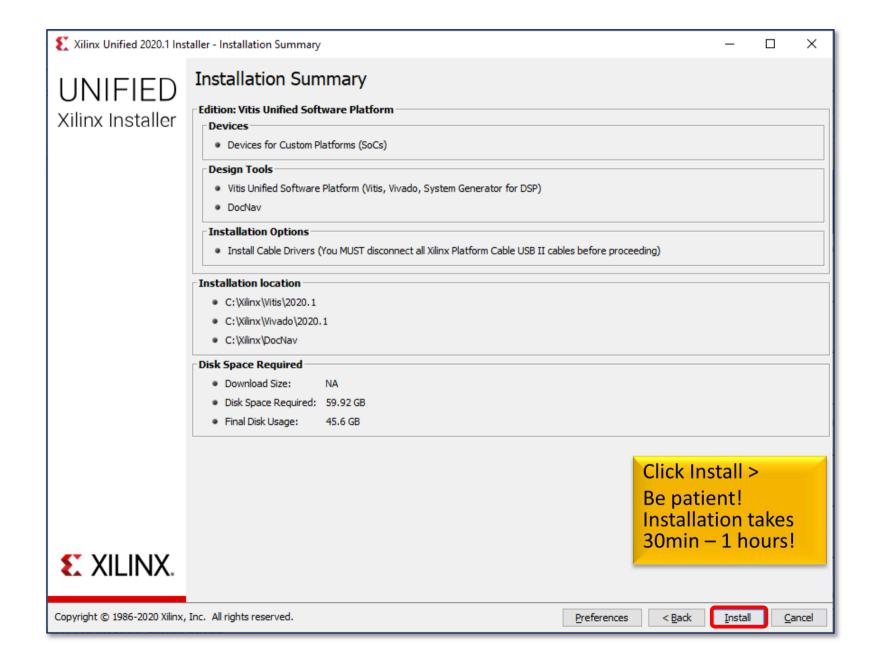
Customize install – VITIS + Vivado



Destination directory

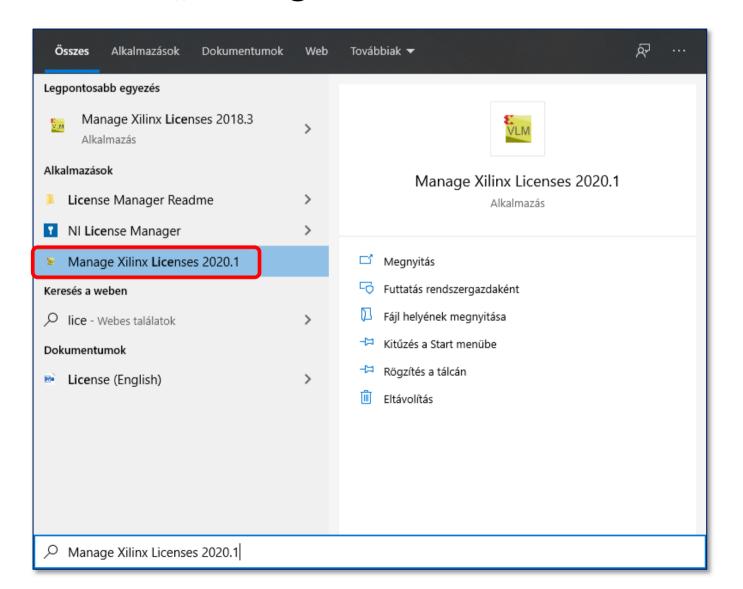


Summary

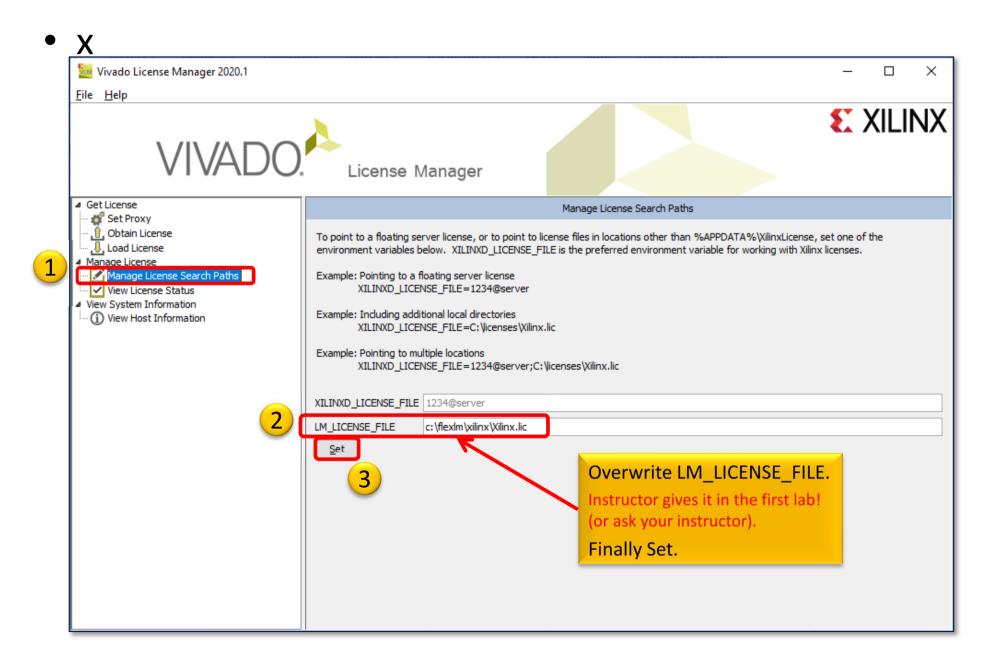


Run License settings

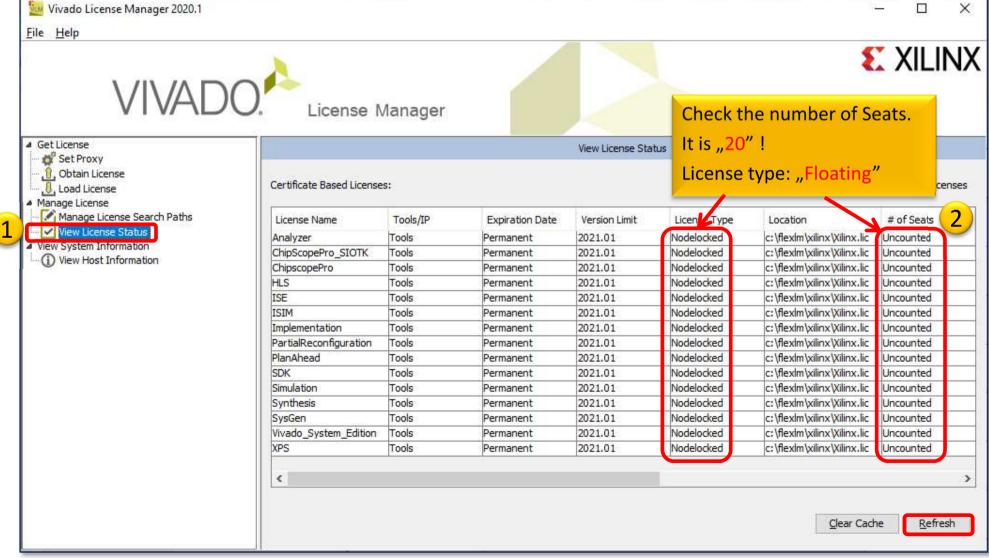
• Select and run "Manage Xilinx Licenses 2020.1"



License settings



Check license





2. SET "ZYBO" HW PLATFORM

Xilinx Vivado



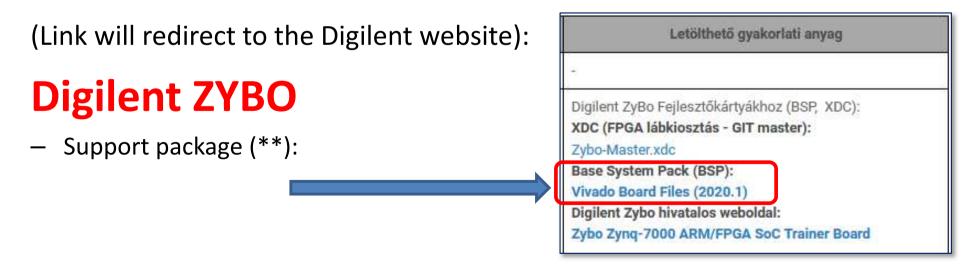






Set Hardware platform I.

- In order our "**ZyBo**" as HW platform can be selectable in the Vivado development environment, the following steps must be taken (for the first time only):
- **Step 1.)** Download the appropriate support package from the Laboratory's webpage:



Set Hardware platform II.

 ** Direct Link for Digilent board support package: https://github.com/Digilent/vivado-boards/archive/master.zip

Step 2.)

- COPY the entire contents of the \ vivado-zybo-master
 \ new subdirectory in the package to the Xilinx subdirectory
 by keeping the directory structure in it
- TO → <Xilinx_install_dir> \ Vivado \ 202x.y
 \ data \ boards \ board_files

Subdirectory.

• We will use the latest **B.4** verison of board files!



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THAT'S ALL





Európai Unió Európai Szociális Alap

