EFOP-3.4.3-16-2016-00009

A felsőfokú oktatás minőségének és hozzáférhetőségének együttes javítása a Pannon Egyetemen

EMBEDDED SYSTEM DEVELOPMENT

(MISAM154R)

Created by Zsolt Voroshazi, PhD

voroshazi.zsolt@virt.uni-pannon.hu

Updated: 24. Sept. 2020.

SZÉCHENYI 2020

MAGYARORSZÁG KORMÁNYA

Európai Unió
Európai Strukturális és Beruházási Alapok

BEFEKTETÉS A JÖVŐBE

VIVADO
HLx Editions

1. INSTALL XILINX VIVADO

Embedded System development environment

SZÉCHENYI 2020

MAGYARORSZÁG KORMÁNYA

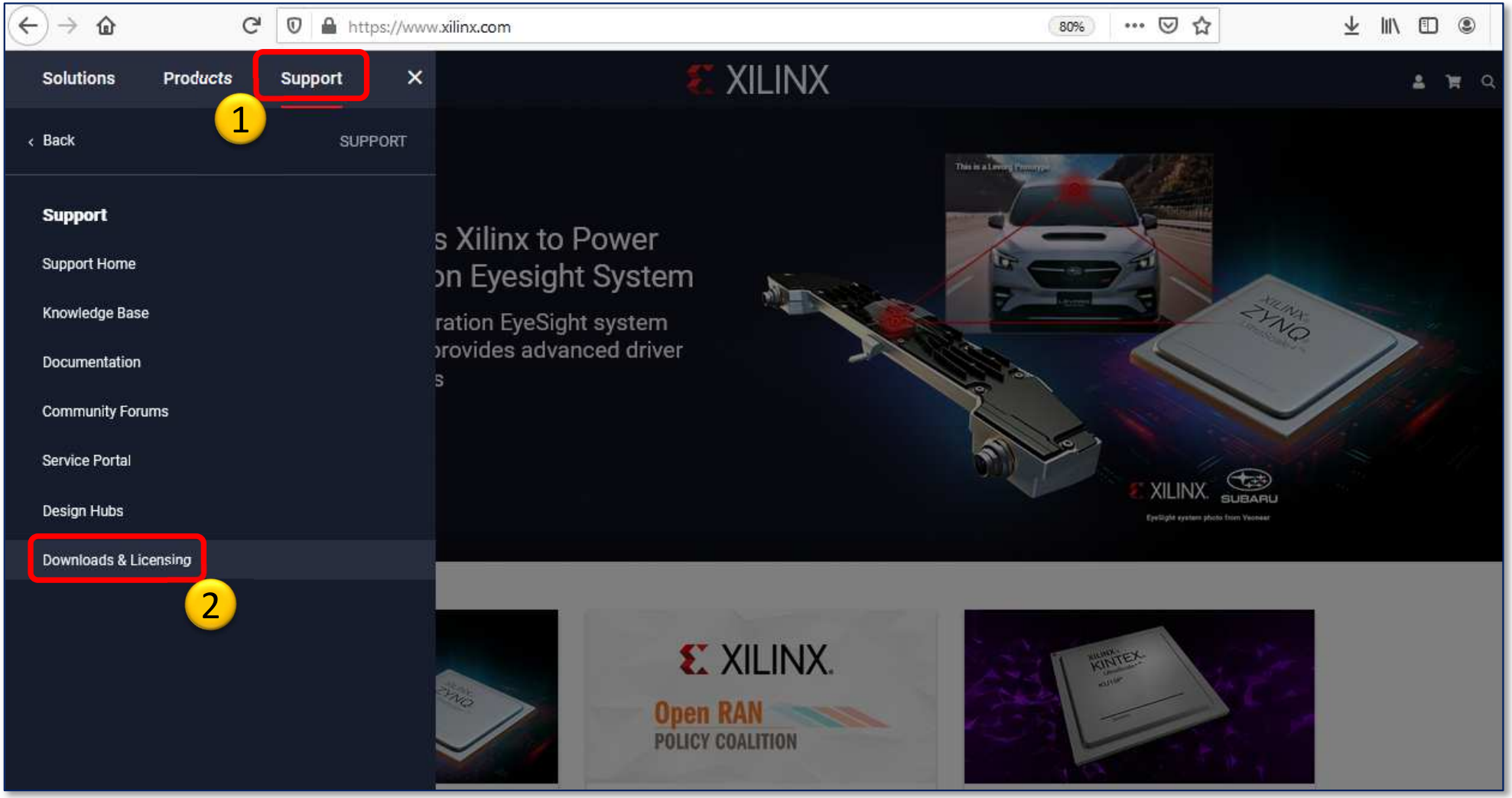
Európai Unió
Európai Strukturális
és Beruházási Alapok

BEFEKTETÉS A JÖVŐBE

Xilinx website

- Visit XILINX official website (Sept. 2020):

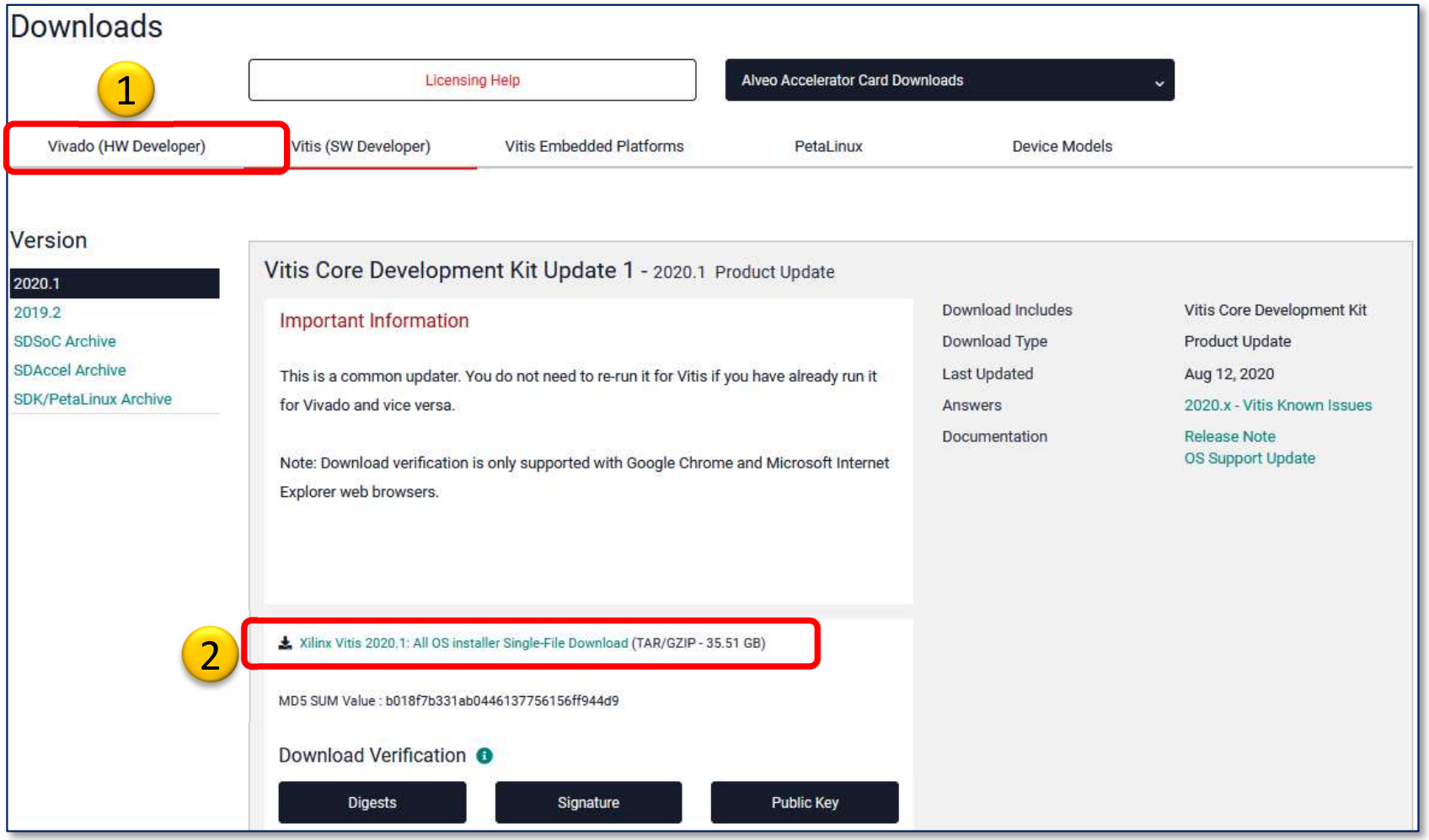
  📖 http://www.xilinx.com



Download package

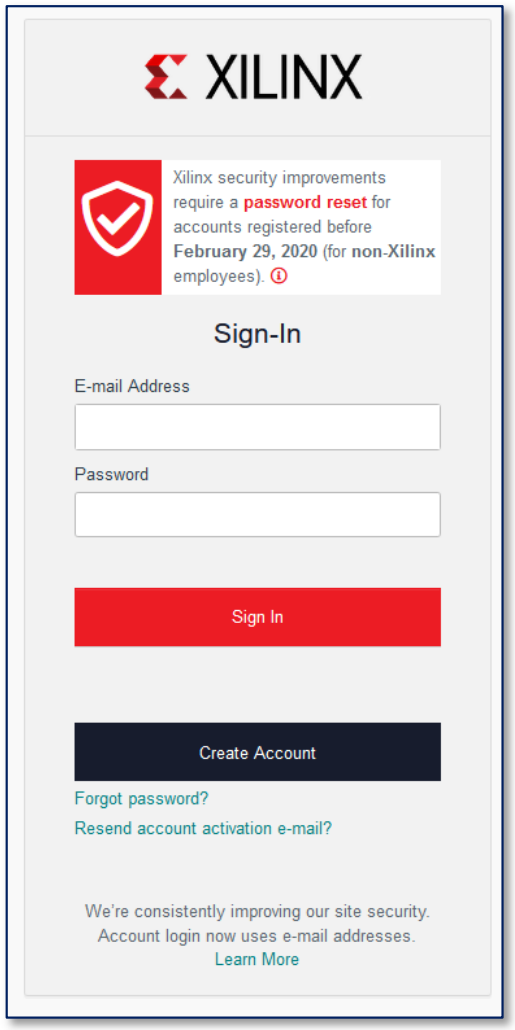
Select Xilinx Unified Installer 2020.1: Windows Self Extracting Web Installer (EXE - **66.73 MB**) LARGE PACKAGE - **OR** - SMALL PACKAGE WEB BASED INSTALLER!

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



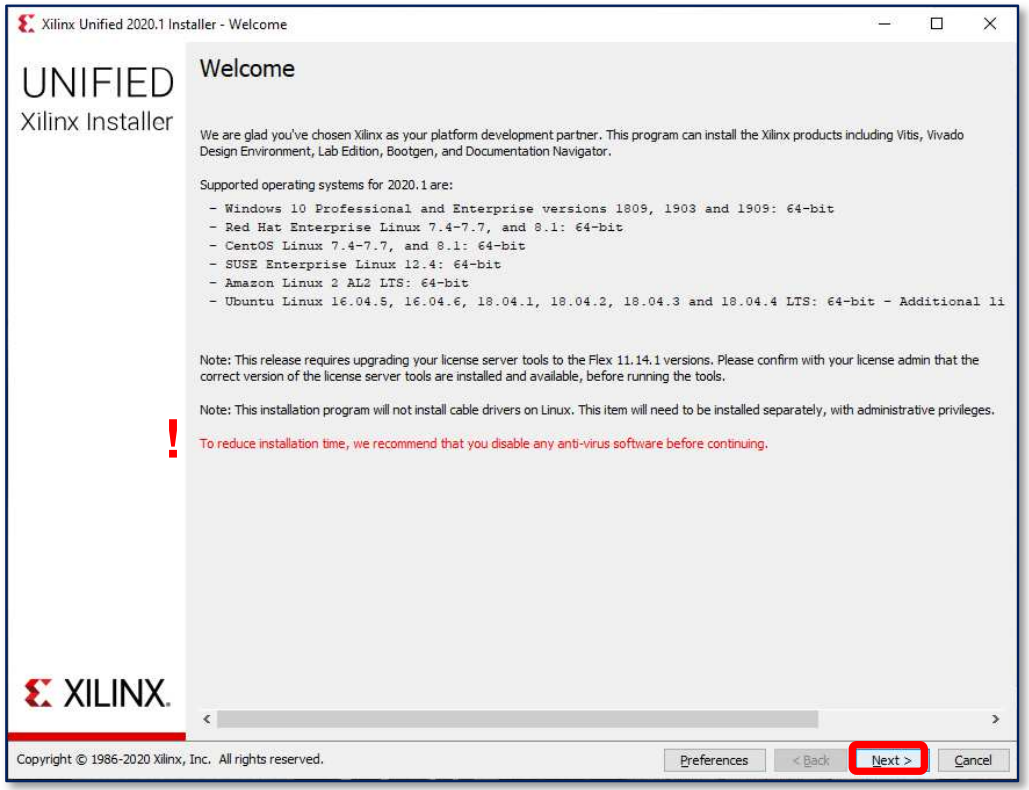
Sign into Xilinx webpage

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



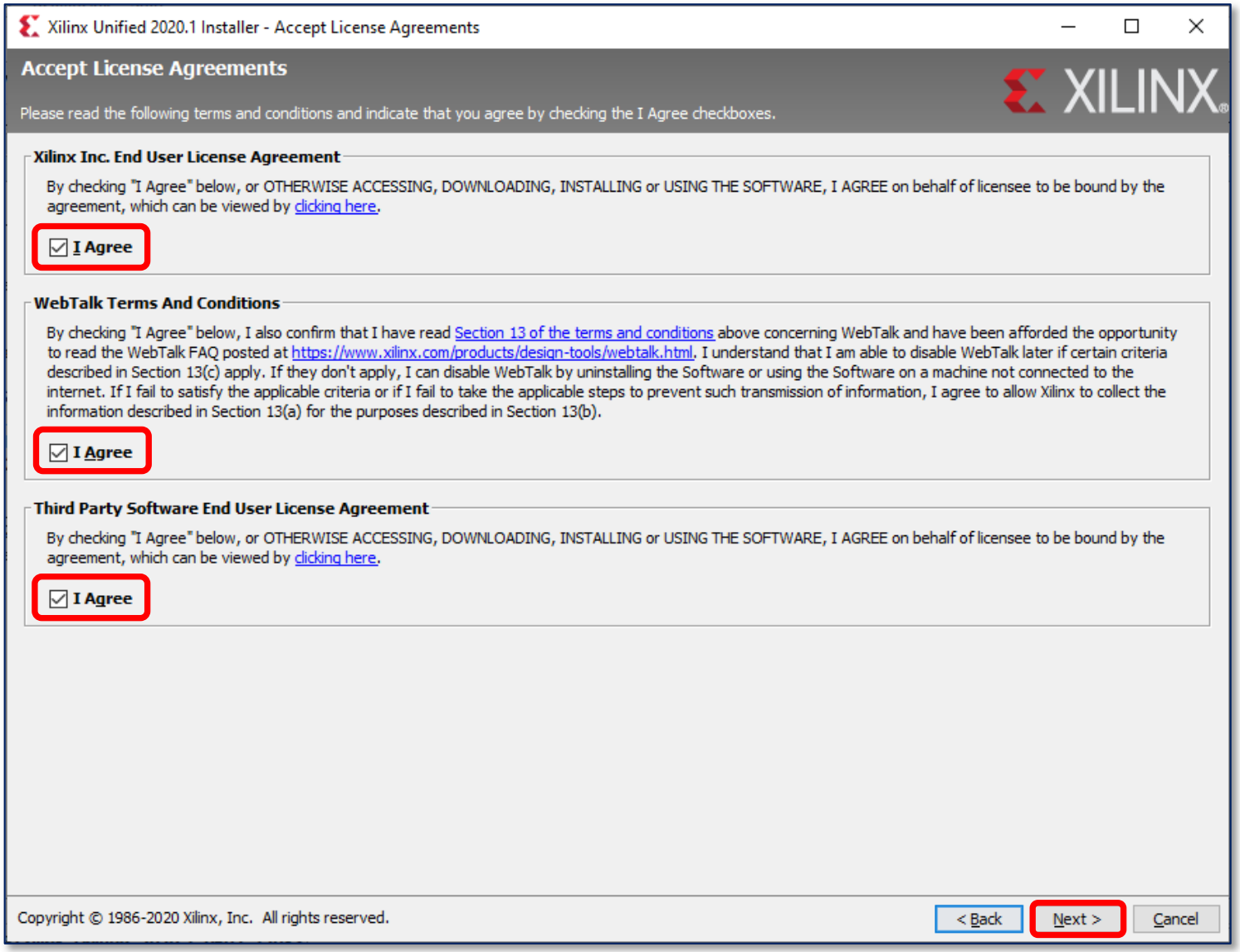
Run installation

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



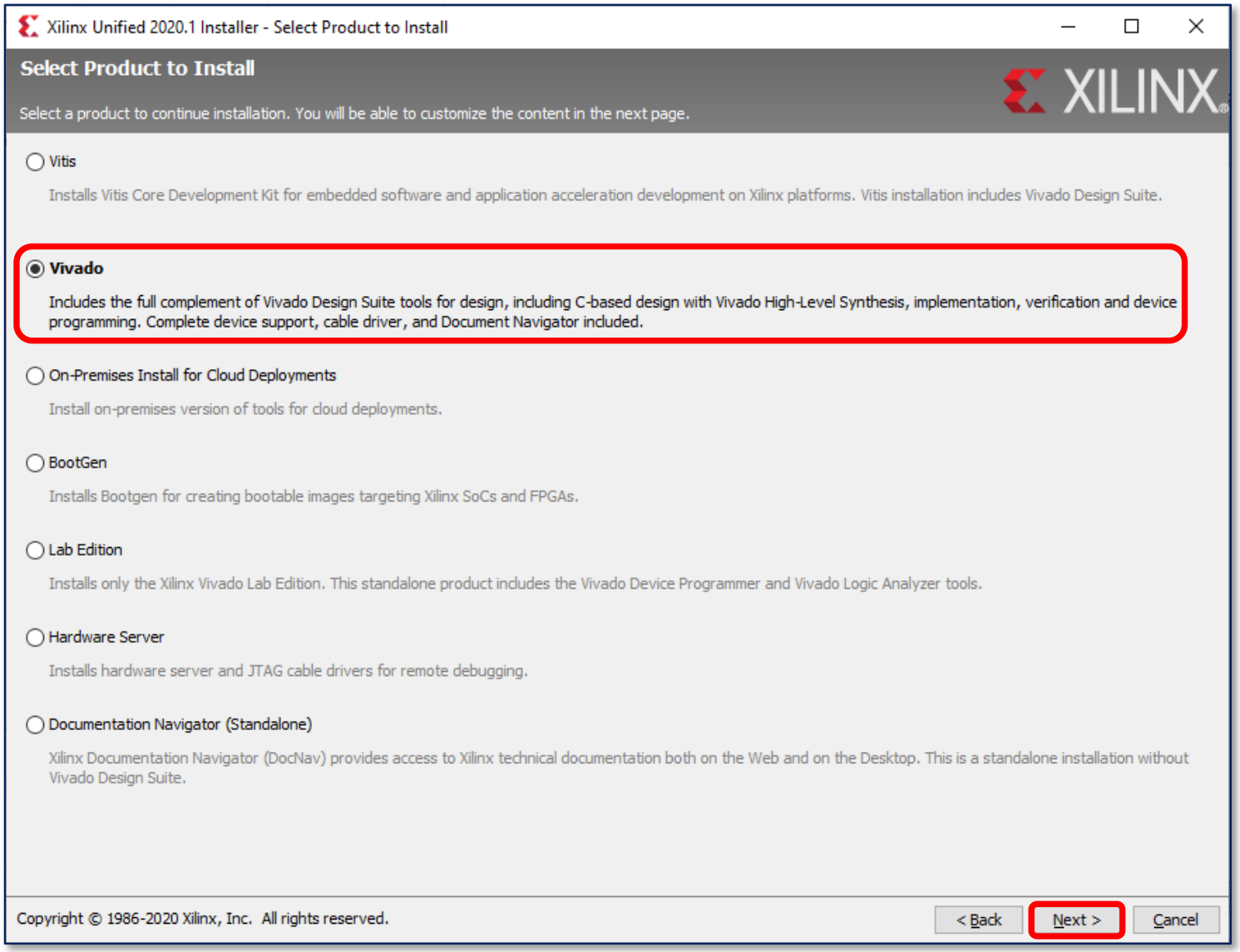
License agreements

- Check and accept all agreements



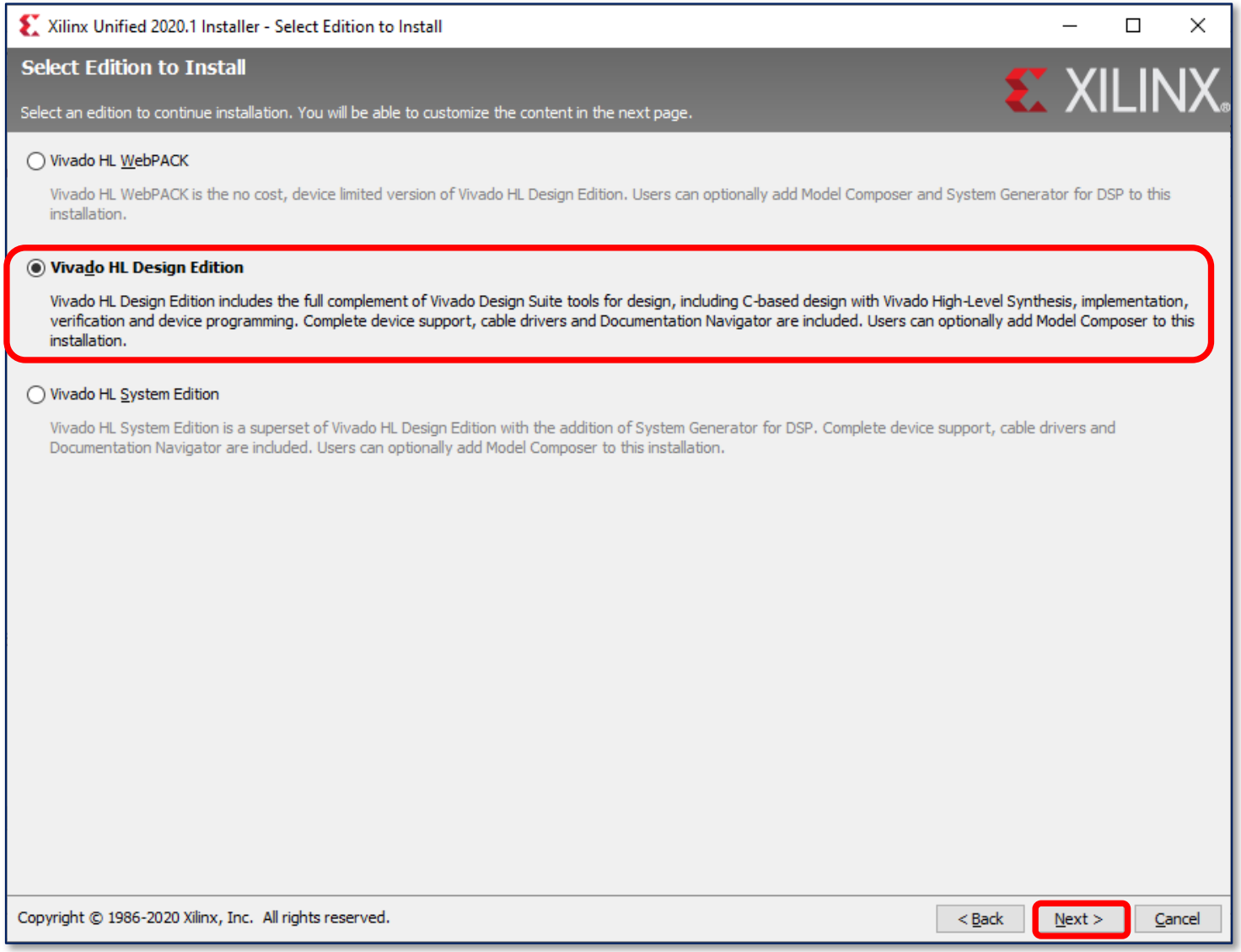
Select product to install - Vivado

- Vivado : includes Design Suite tools (without VITIS)

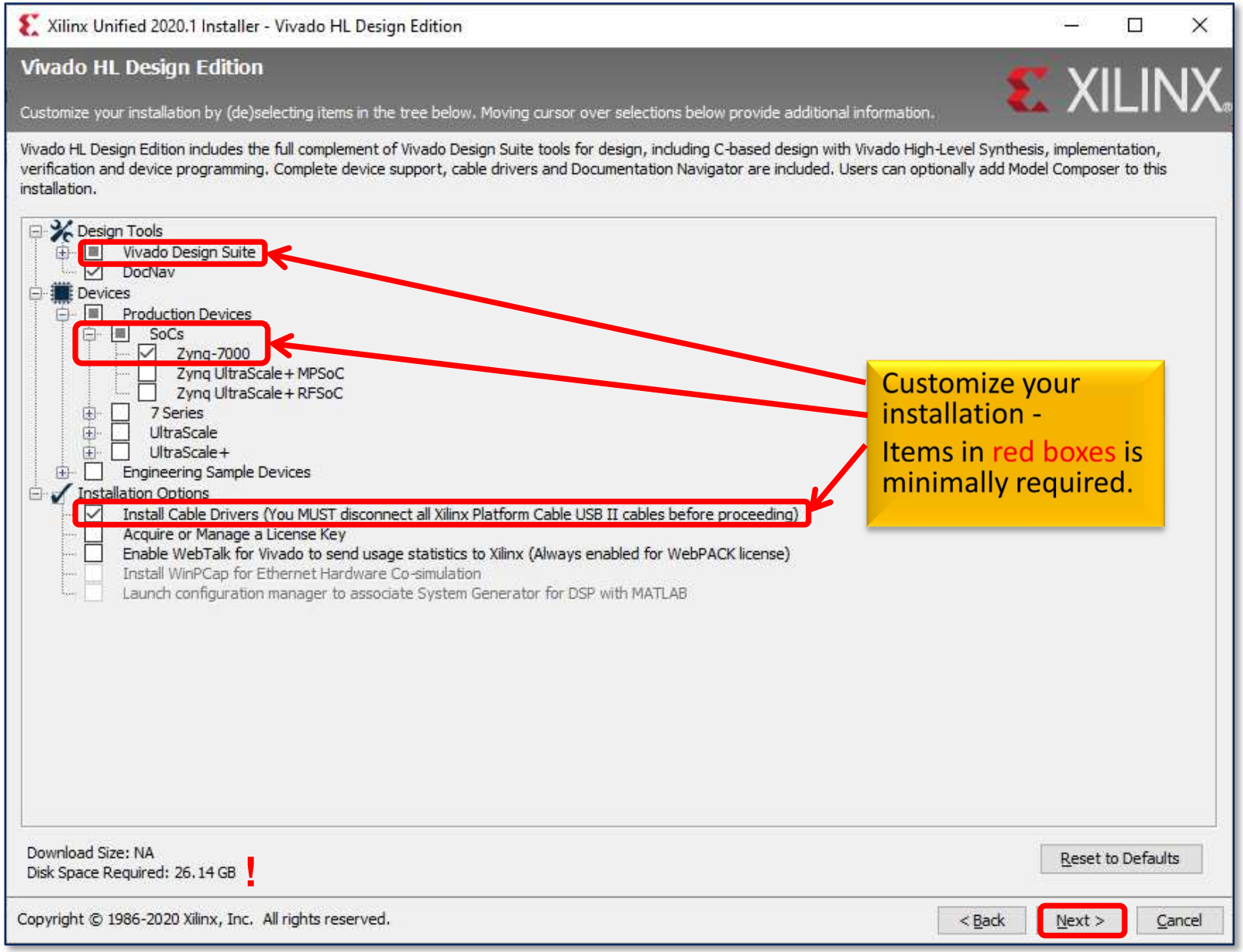


Select Vivado HL – Design Edition

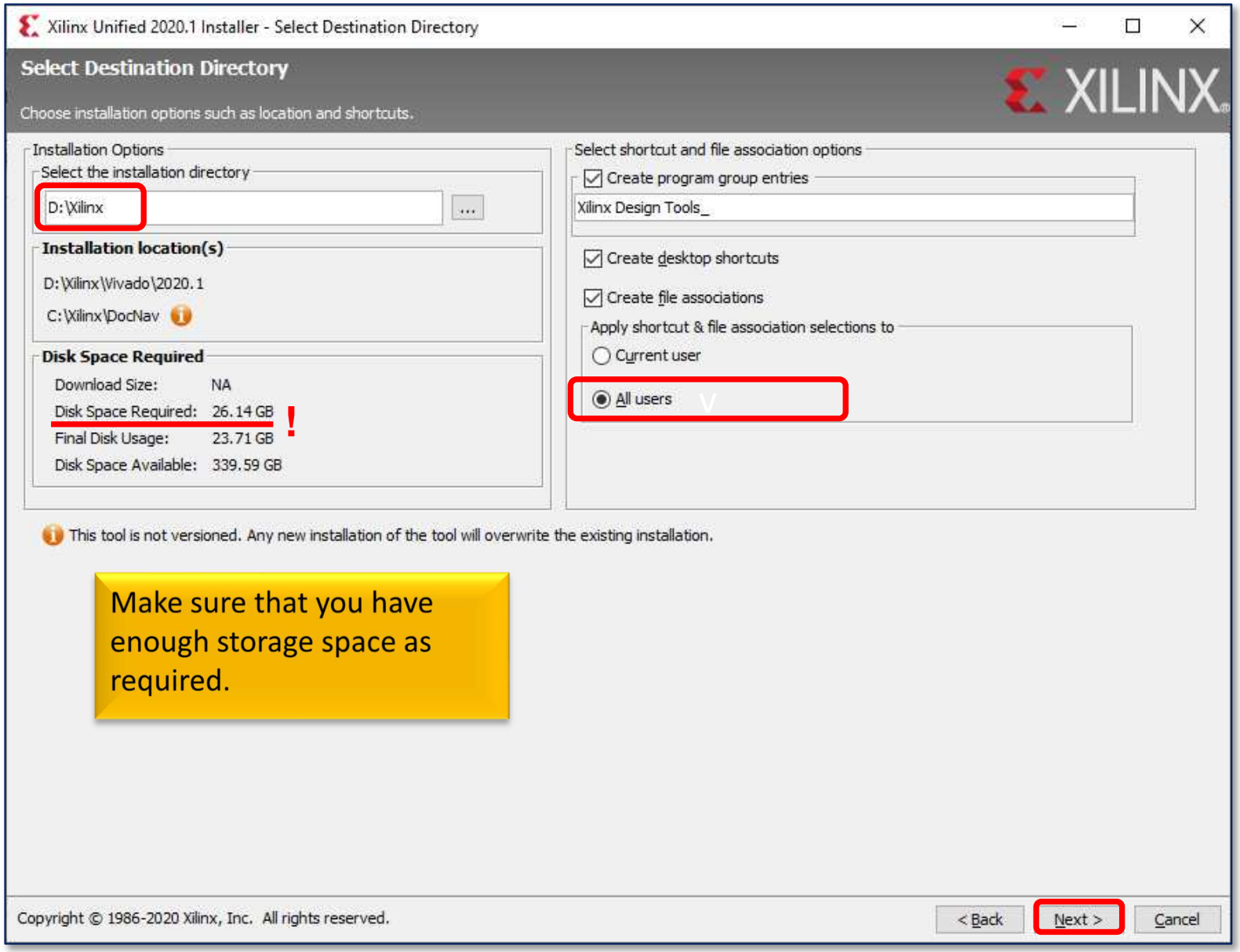
- Select Vivado HL DE (or Webpack)



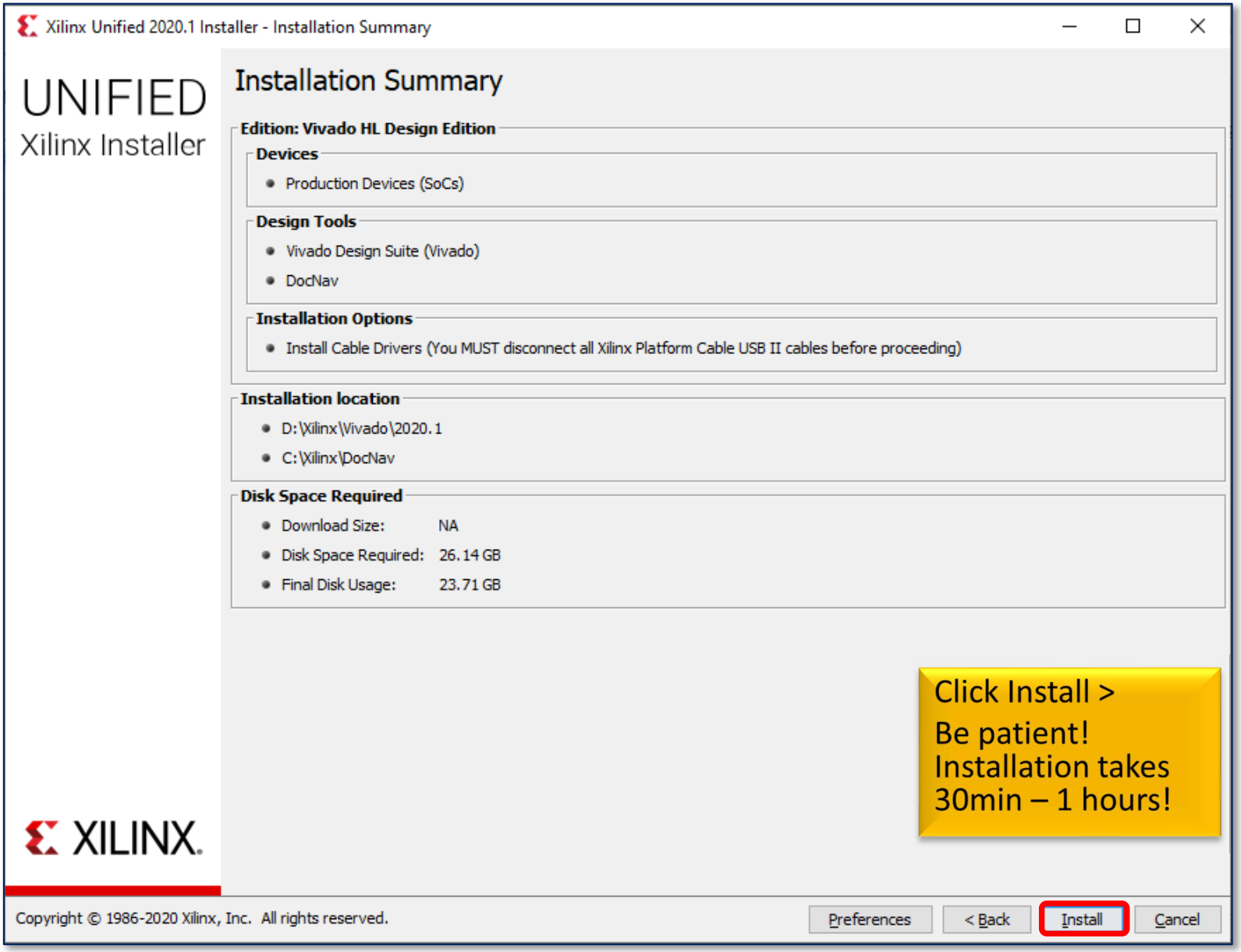
Customize install – VITIS + Vivado



Destination directory

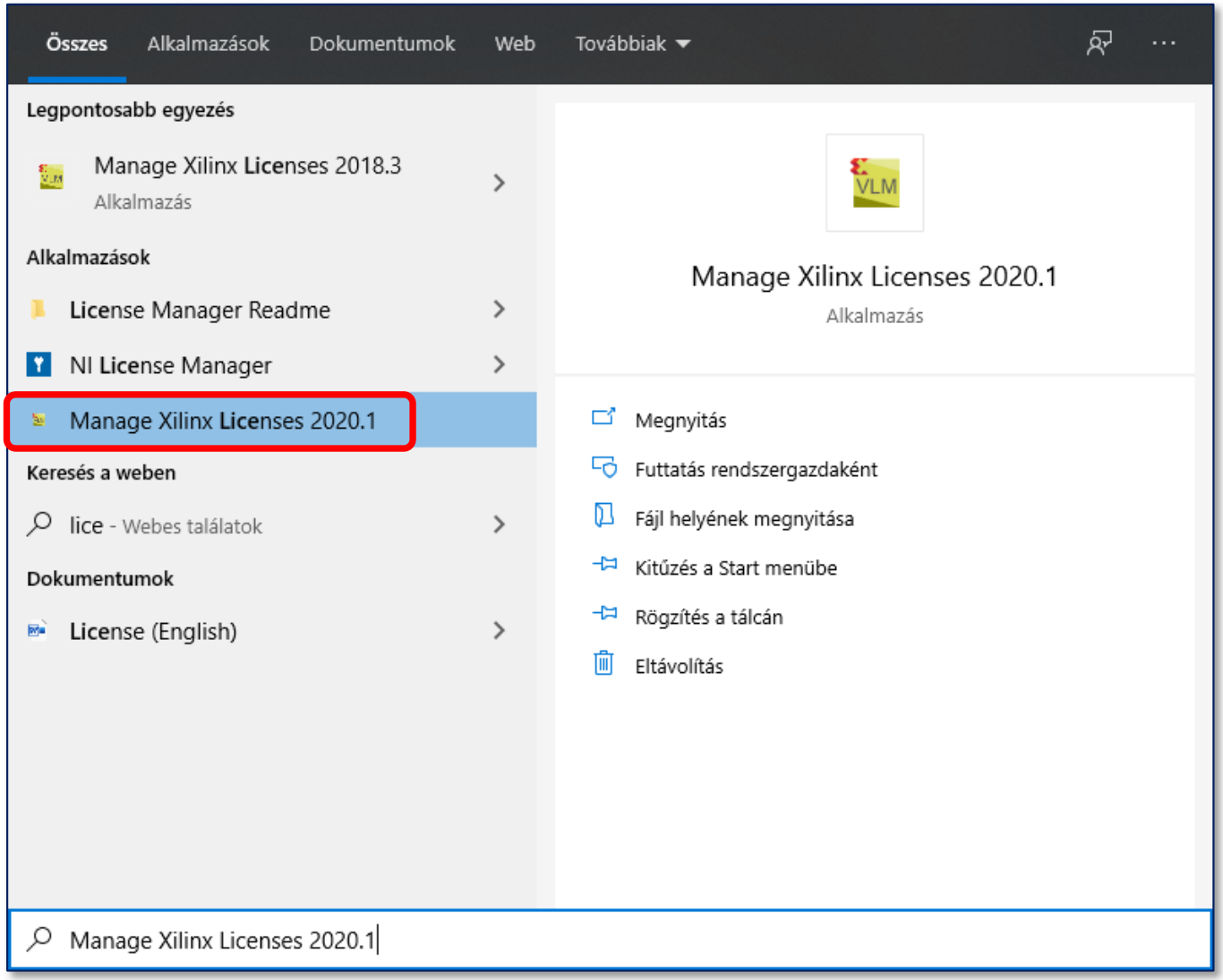


Summary


Xilinx Unified 2020.1 Installer - Installation Summary
UNIFIED
Xilinx Installer
Installation Summary
Edition: Vivado HL Design Edition
Devices
Production Devices (SoCs)
Design Tools
Vivado Design Suite (Vivado)
DocNav
Installation Options
Install Cable Drivers (You MUST disconnect all Xilinx Platform Cable USB II cables before proceeding)
Installation location
D:\Xilinx\Vivado\2020.1
C:\Xilinx\DocNav
Disk Space Required
Download Size: NA
Disk Space Required: 26.14 GB
Final Disk Usage: 23.71 GB
Click Install >
Be patient!
Installation takes
30min – 1 hours!
XILINX
Copyright © 1986-2020 Xilinx, Inc. All rights reserved.
Preferences
< Back
Install
Cancel

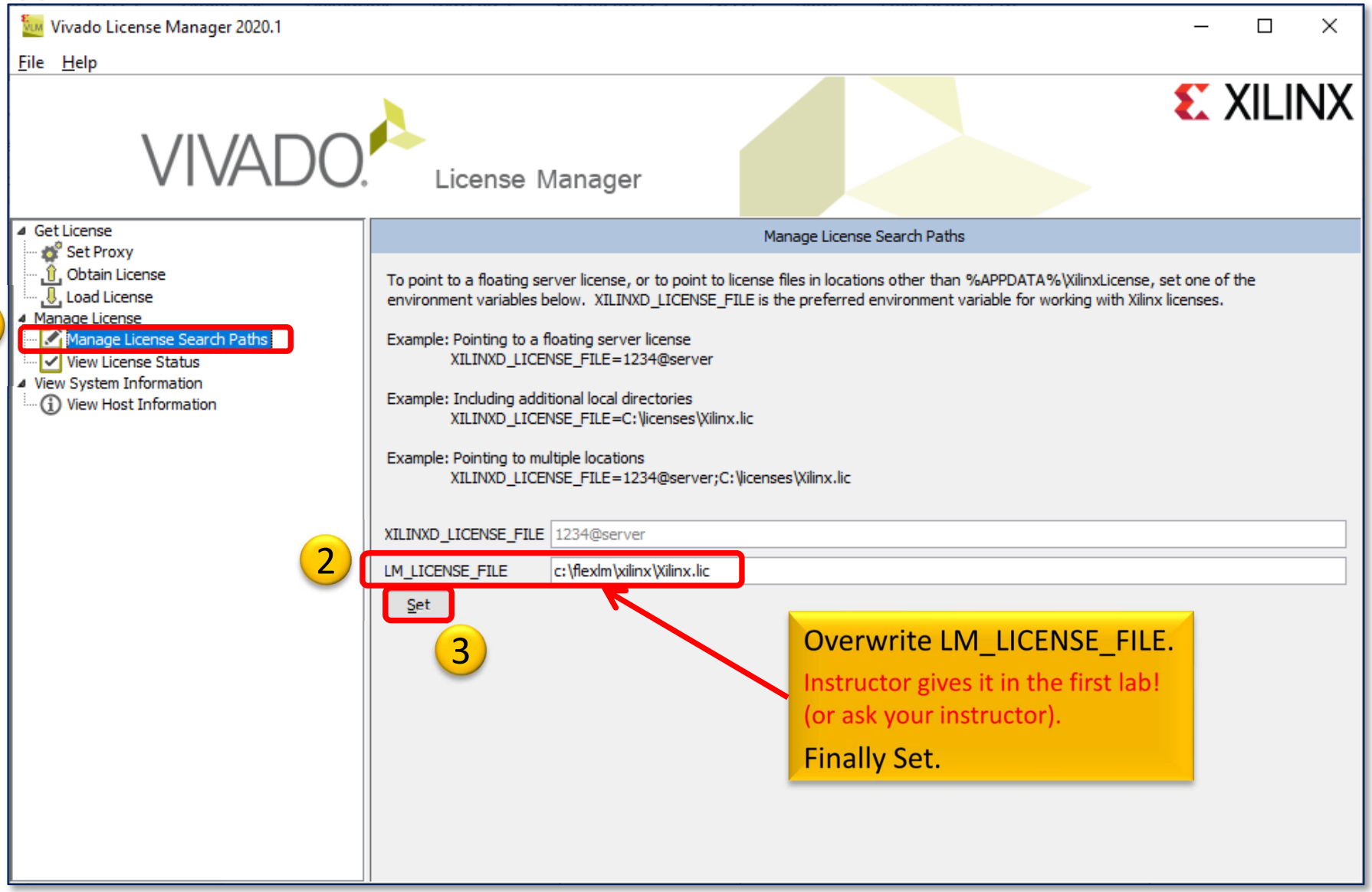
Run License settings

- Select and run „Manage Xilinx Licenses 2020.1”

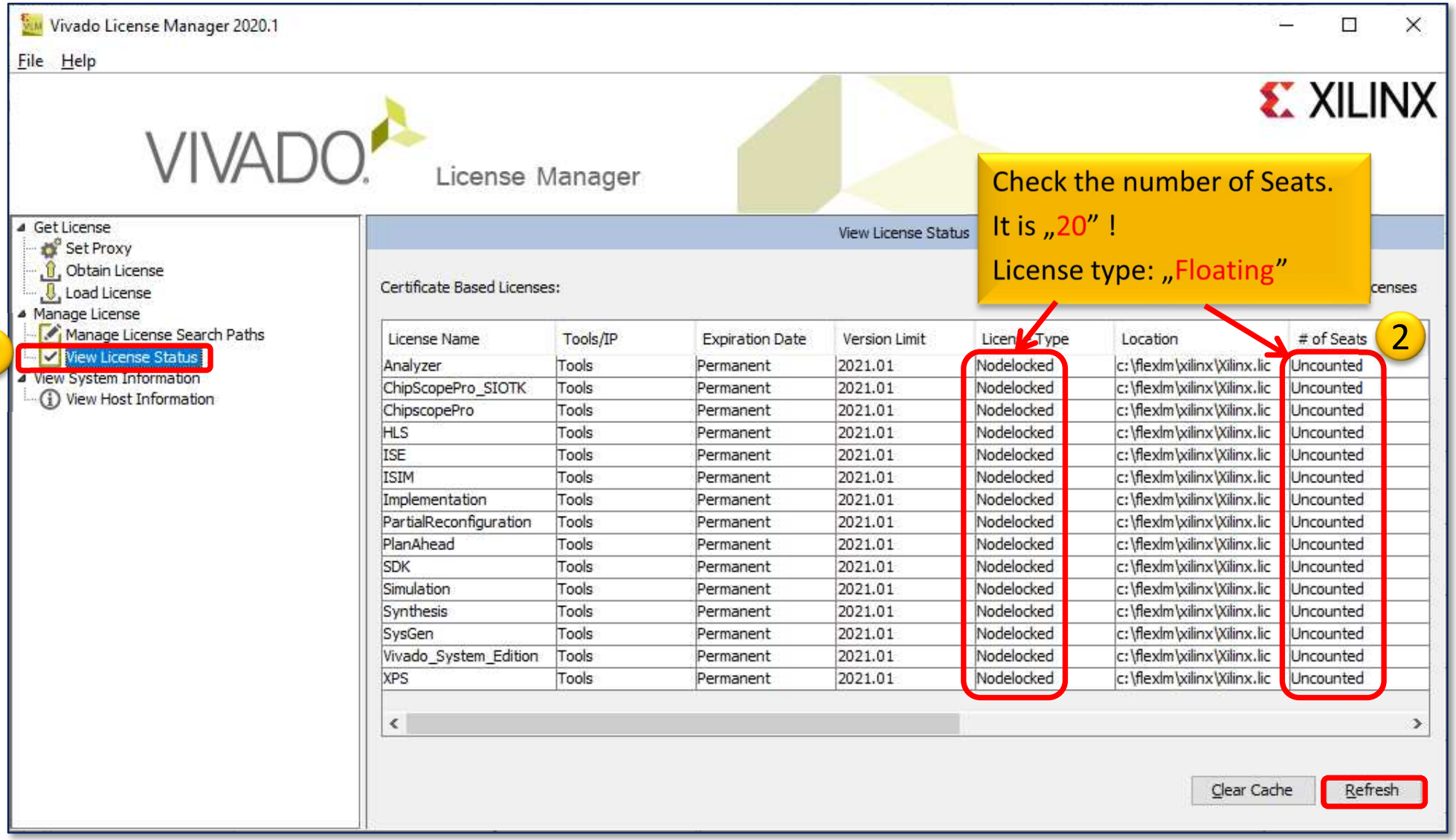


License settings

- X

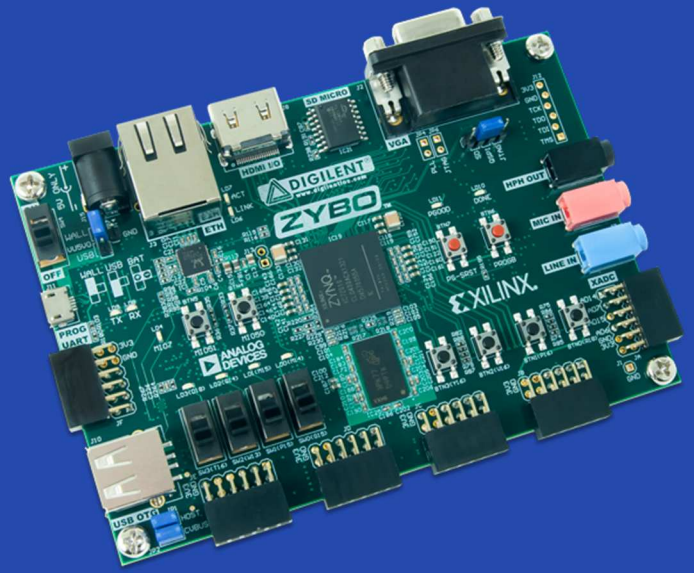


Check license



2. SET „ZYBO” HW PLATFORM

Xilinx Vivado



SZÉCHENYI 2020

MAGYARORSZÁG KORMÁNYA

Európai Unió
Európai Strukturális és Beruházási Alapok

BEFEKTETÉS A JÖVŐBE

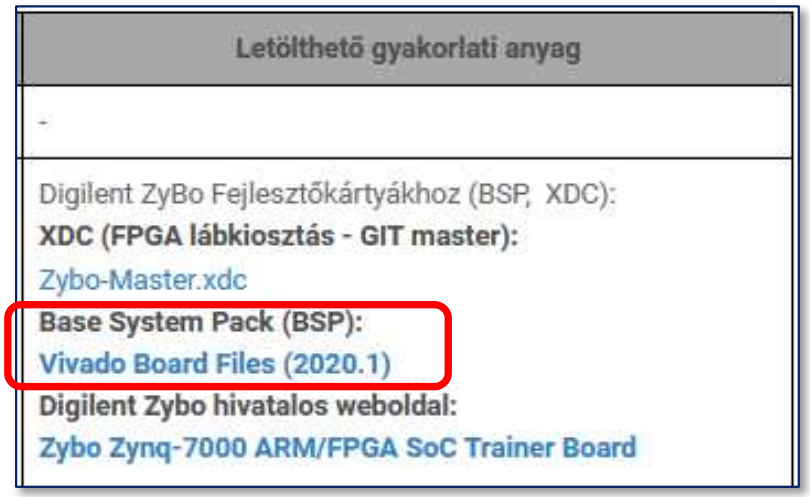
Set Hardware platform I.

- 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:

(Link will redirect to the Digilent website):

Digilent ZYBO

– Support package (**):



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!

EFOP-3.4.3-16-2016-00009

A felsőfokú oktatás minőségének és hozzáférhetőségének együttes javítása a Pannon Egyetemen

THAT'S ALL ☺

SZÉCHENYI 2020

MAGYARORSZÁG KORMÁNYA

Európai Unió
Európai Szociális Alap

BEFEKTETÉS A JÖVŐBE