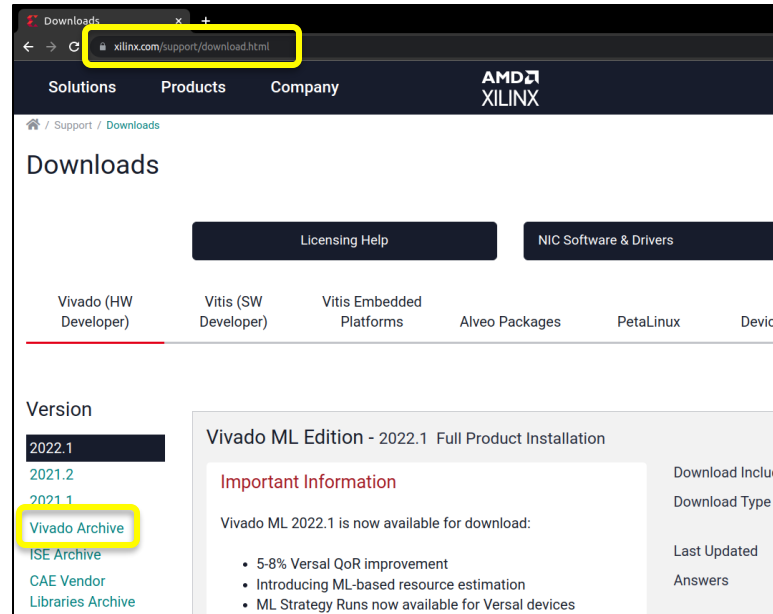# Vivado 2019.1 Webpack Installation Guide (Windows)

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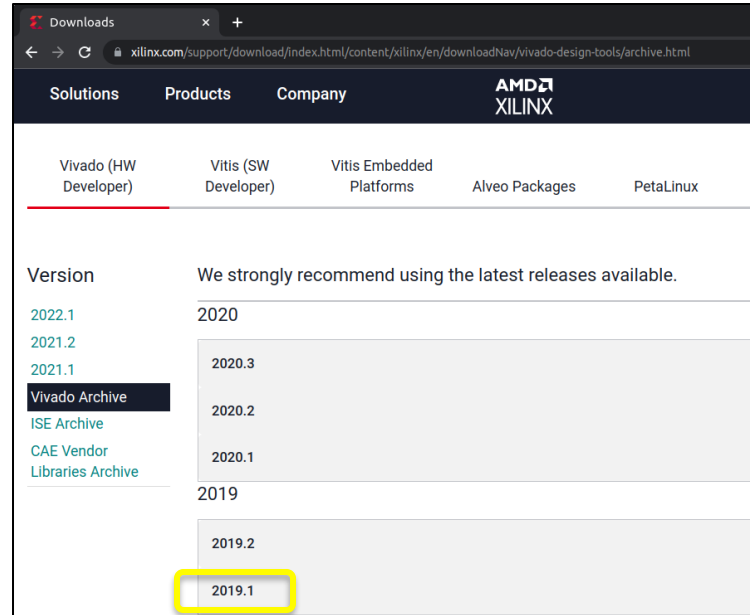
TU Graz

Vivado 2019.1 Webpack Installation Guide (Microsoft)

- We will use Xilinx Vivado (version 2019.1) as a design tool for our HW/SW codesigns. Visit to https://www.xilinx.com/support/download.html and then click on "*Vivado Archive*".

Vivado 2019.1 Webpack Installation Guide (Microsoft)

- Select 2019.1. Note that we will not support other Vivado versions in this course.

Vivado 2019.1 Webpack Installation Guide (Microsoft)

- Choose the "Webpack" installation file depending on your OS (Windows Self Extracting).
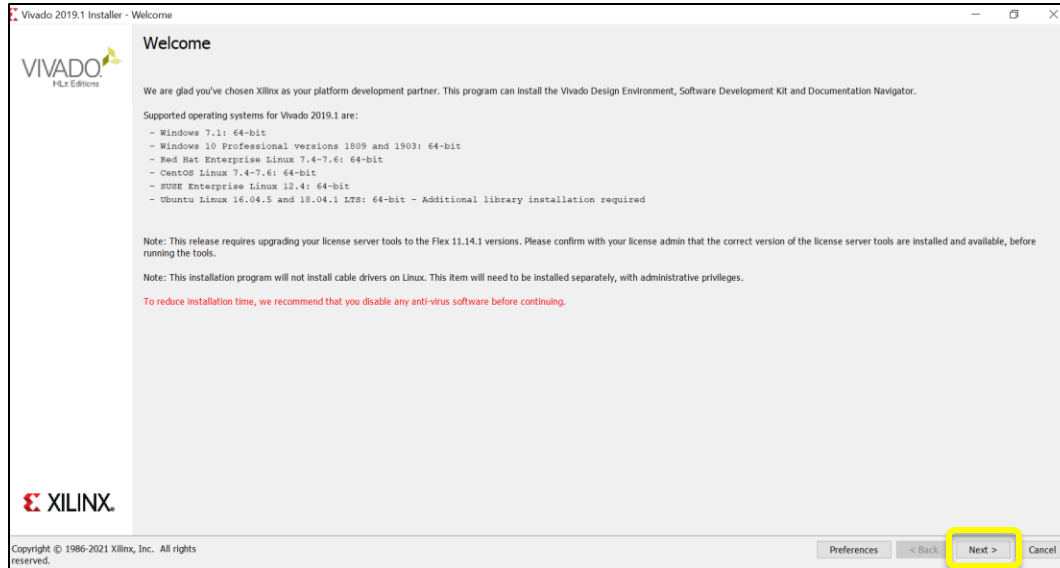
Vivado 2019.1 Webpack Installation Guide (Microsoft)

- You will be directed to AMD/Xilinx login page. You can create a free AMD/Xilinx account for downloading the installation file.
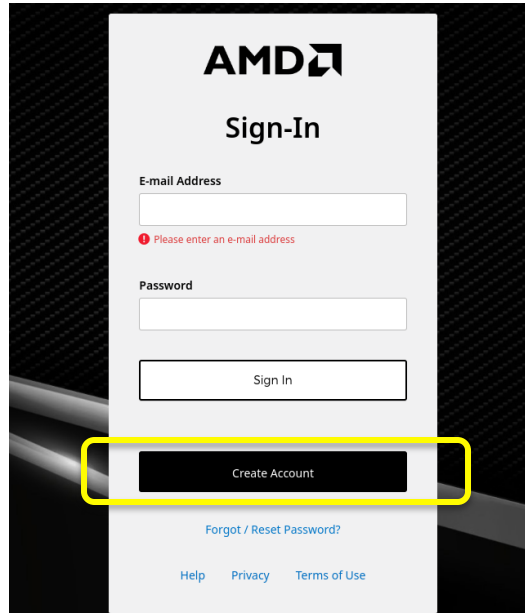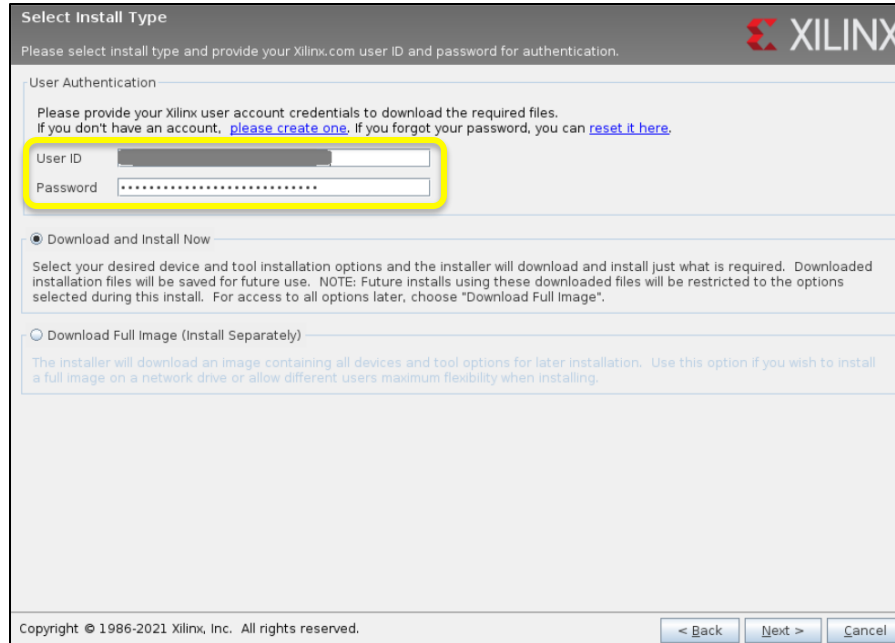
Vivado 2019.1 Webpack Installation Guide (Microsoft)

- Download the installation executable and run it.

- The installer might ask you to download the latest version, ignore that. Click on "Next" with the Vivado 2019.1 installation.

Vivado 2019.1 Webpack Installation Guide (Microsoft)

- Provide your user credentials to the installer.

Vivado 2019.1 Webpack Installation Guide (Microsoft)

- Accept the license agreement and choose Webpack version for installation.

Vivado 2019.1 Webpack Installation Guide (Microsoft)

- Next, keep all devices selected and click on "Next".
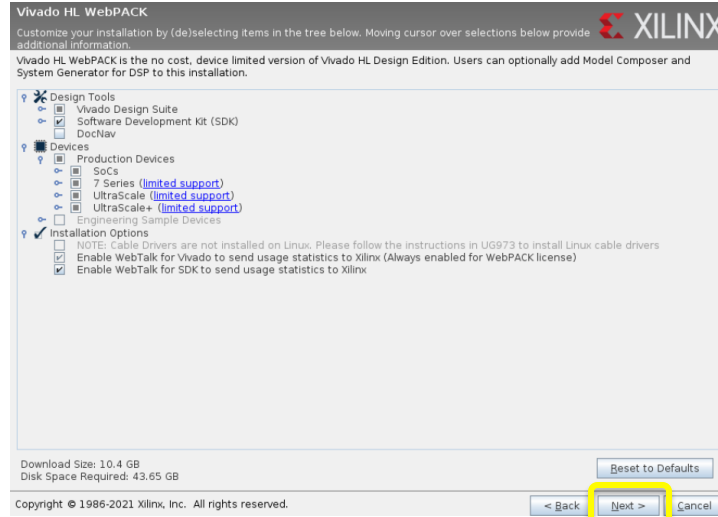
- Next, set the installation directory (the default is $C:\backslash Xilinx$. Then click on "Next" and the tool starts the download and installation. The final installation directory has a size of around 22 GB.

PYNQ-Z2 Board Files

- We will use the PYNQ-Z2 FPGA board for implementing the cryptographic primitives. With Vivado 2019.1, you also need to copy the PYNQ-Z2 board-specific files into the installation directory.

- Go to course website (https://www.iaik.tugraz.at/ce) and download board files. Copy the PYNQ-Z2 board files into the following directory.

```
C:/Xilinx/Vivado/2019.1/data/boards/board_files
```