Xilinx Vivado installation turtorial

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Intro. to Xilinx Vivado

- The tool which we used in this class was usually Modelsim, but it is currently unavailable due to US federal regulations. We don't know when it will be available again. As a result, we choose to use Xilinx Vivado this semester.
- Xilinx Vivado is a design suite for Xilinx FPGA design flow. It has many functions to implement a design entry on a FPGA, and supports many simulation types. In this course, we only need to use the behavioral simulation to complete the homework.

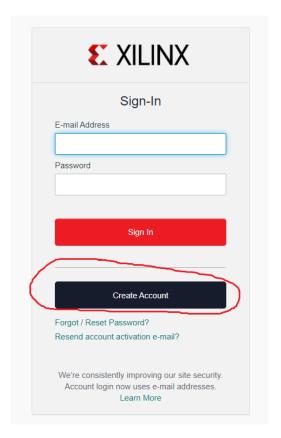
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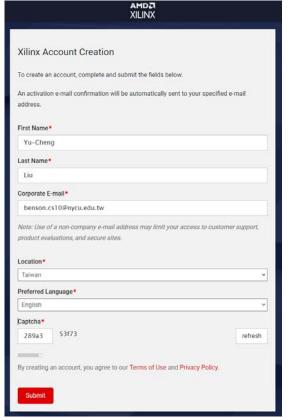
- Xilinx Vivado is the same as Modelsim, which they only support Windows and Linux operating systems. For those who use MAC OS, we recommend you to install virtual machine with Windows or Linux OS and install Xilinx Vivado.
- The following installation tutorial is for Windows. You can install it on Linux OS, too.

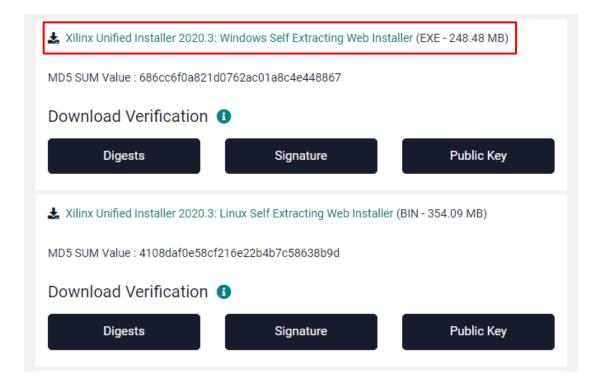
Goto

https://www.xilinx.com/support/download/index.html/content/xilinx/en/downloadNav/vivado-design-tools/2020-3.html

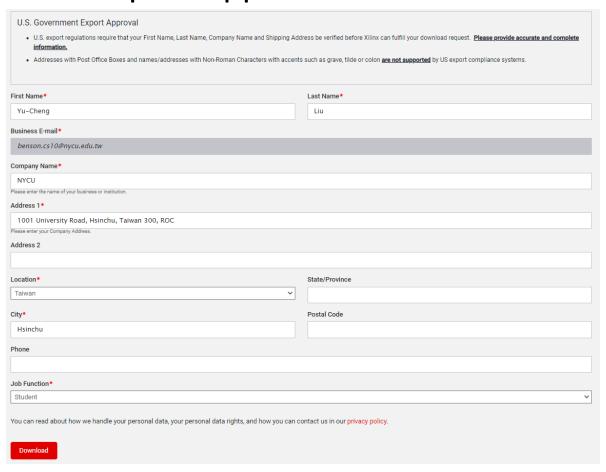
 Create and active an account, and download the Xilinx Unified Installer 2020.3: Windows Self Extracting Web Installer. (we choose the old version because the latest one requires more than 100G disk space...)





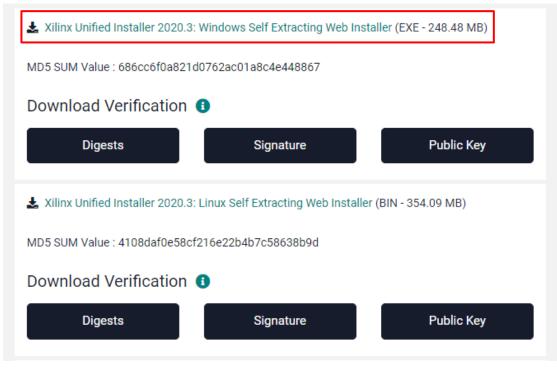


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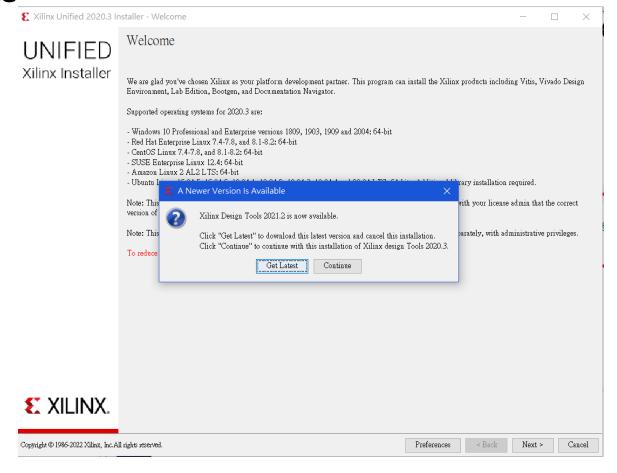
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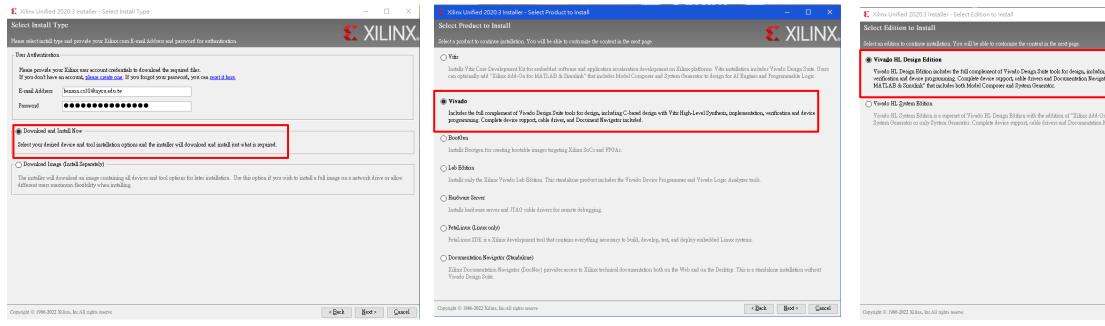


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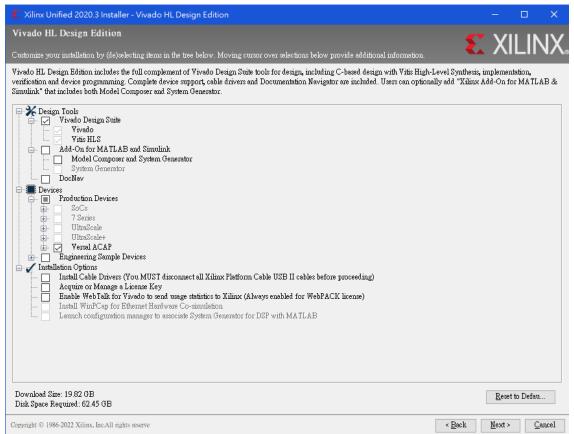


 Execute the file you download and choose the option like the following pictures.

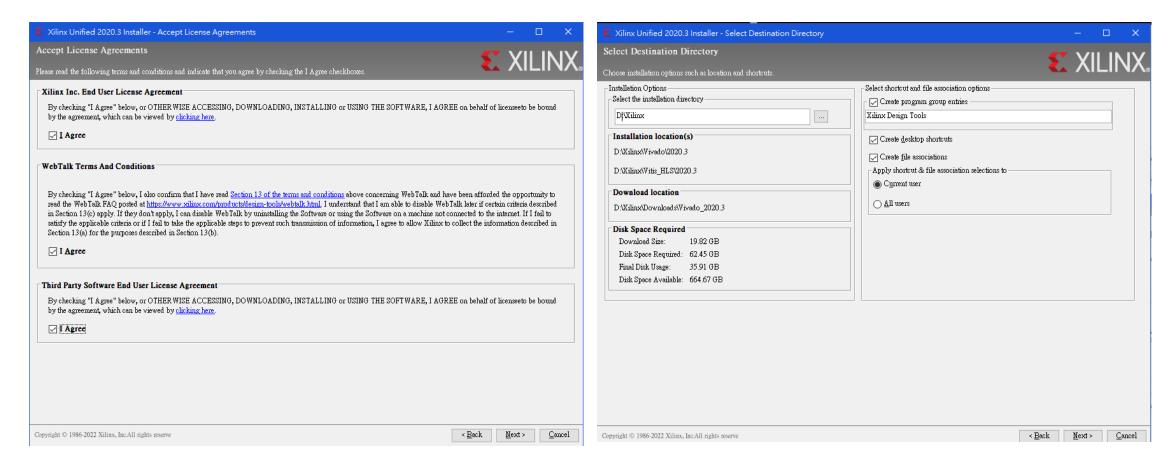




 We only need behavioral simulation function, so I disabled other unnecessary functions.



You can decide your own installation directory.



- Finally, wait the installer to install the software. Note that the installer needs to take much time to install it.
- You may need to reboot the computer after the installation.

QA

• If you have any question, feel free to post your question on the Facebook discussion forum.