

Vivado installation guide

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Windows Download

In order to download Vivado you must create an account on the page. Gmail account can be used instead of creating one from scratch.

Download the specific version of Vivado from the link below. The version must be in compliance with the operating system in use on the machine.

Download page: <https://www.xilinx.com/support/download.html>

After creating an account and clicking the specific OS version to be downloaded you will need to fill in a form with regards of who is downloading the program. Here it is not a must to insert real data. This form must be only to collect data, so no real checking or verification is done on the data filled in.

First Name *	Last Name *
<input type="text" value="Andrei"/>	<input type="text" value="Suta"/>
E-mail *	
<input type="text" value="andrei.suta@xilinx.com"/>	
Company Name *	
<input type="text" value="Some Company"/>	
Address 1 *	
<input type="text" value="Some street"/>	
Address 2	
<input type="text"/>	
Location *	State/Province
<input type="text" value="Romania"/>	<input type="text"/>
City *	Postal Code
<input type="text" value="Cluj-Napoca"/>	<input type="text"/>
Phone	
<input type="text"/>	
Job Function *	
<input type="text" value="Developer - Software"/>	

Figure 1 Fill in form

After completing the form click on the “Download” button on the bottom of the page.

Windows installation

Step 1

Authentication

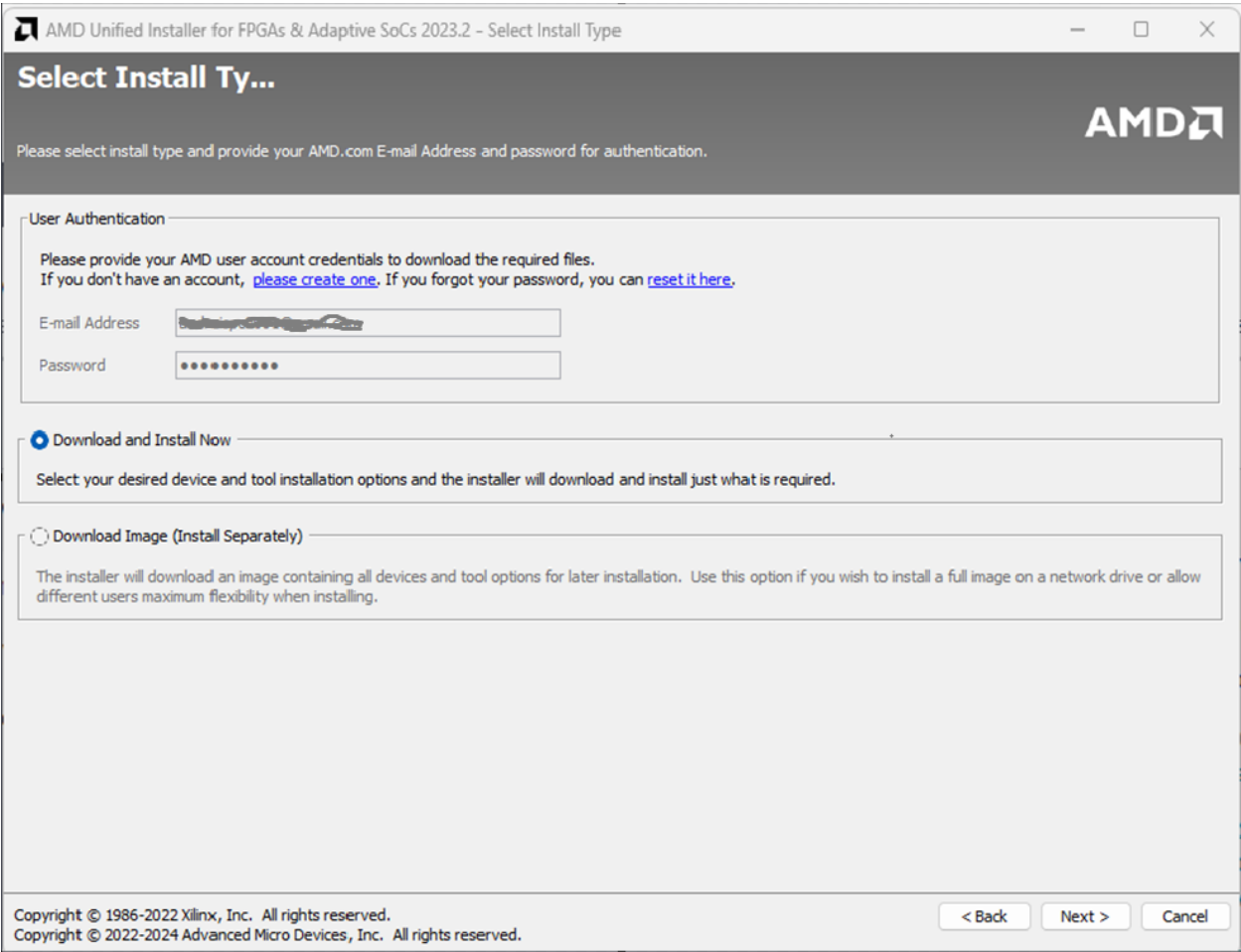


Figure 2 Authentication

Step 2

Select Vivado as the product to be installed

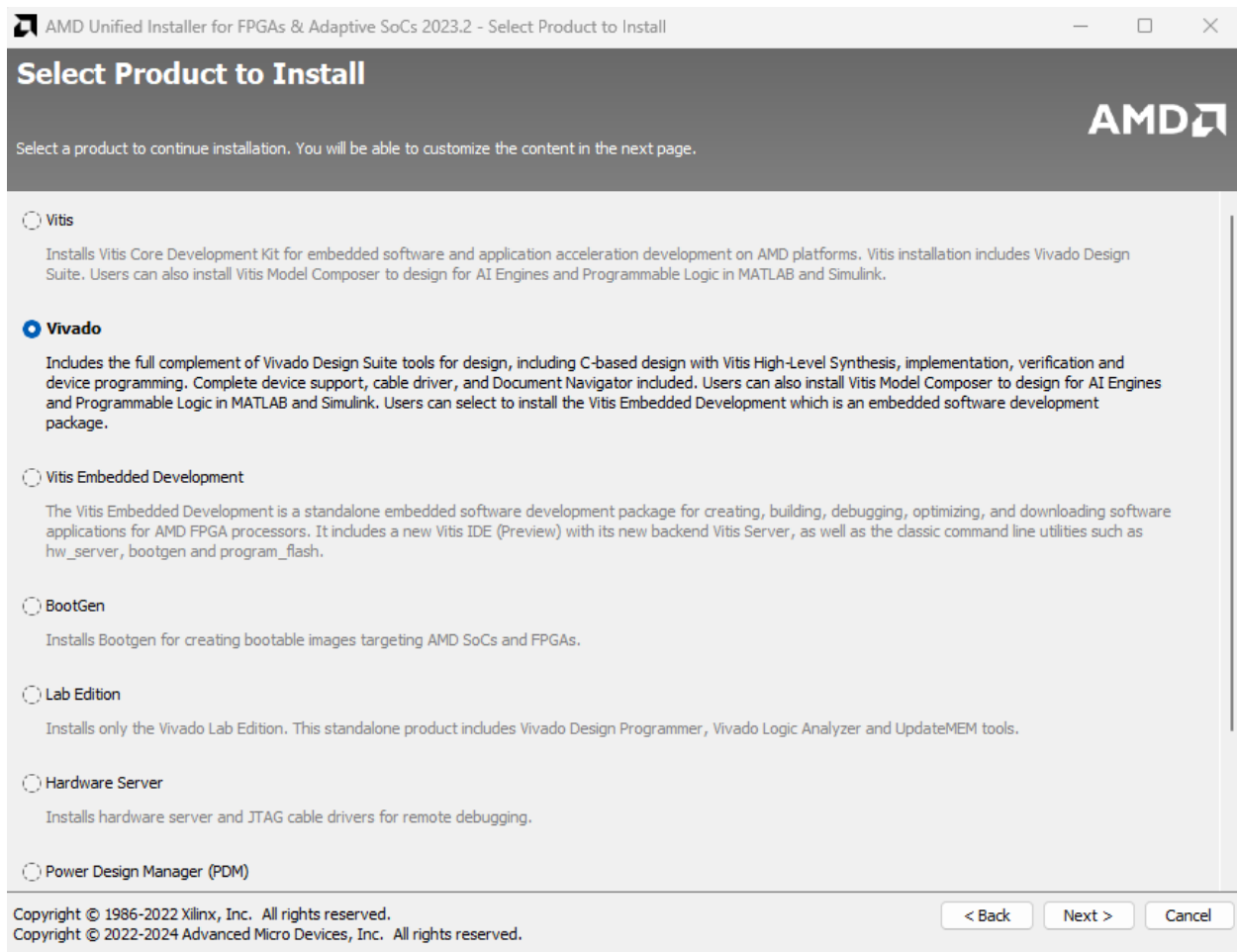


Figure 3 Select Vivado

Step 3

Select the ML Standard free edition (the default is ML Enterprise which a very expensive product of no use to us)

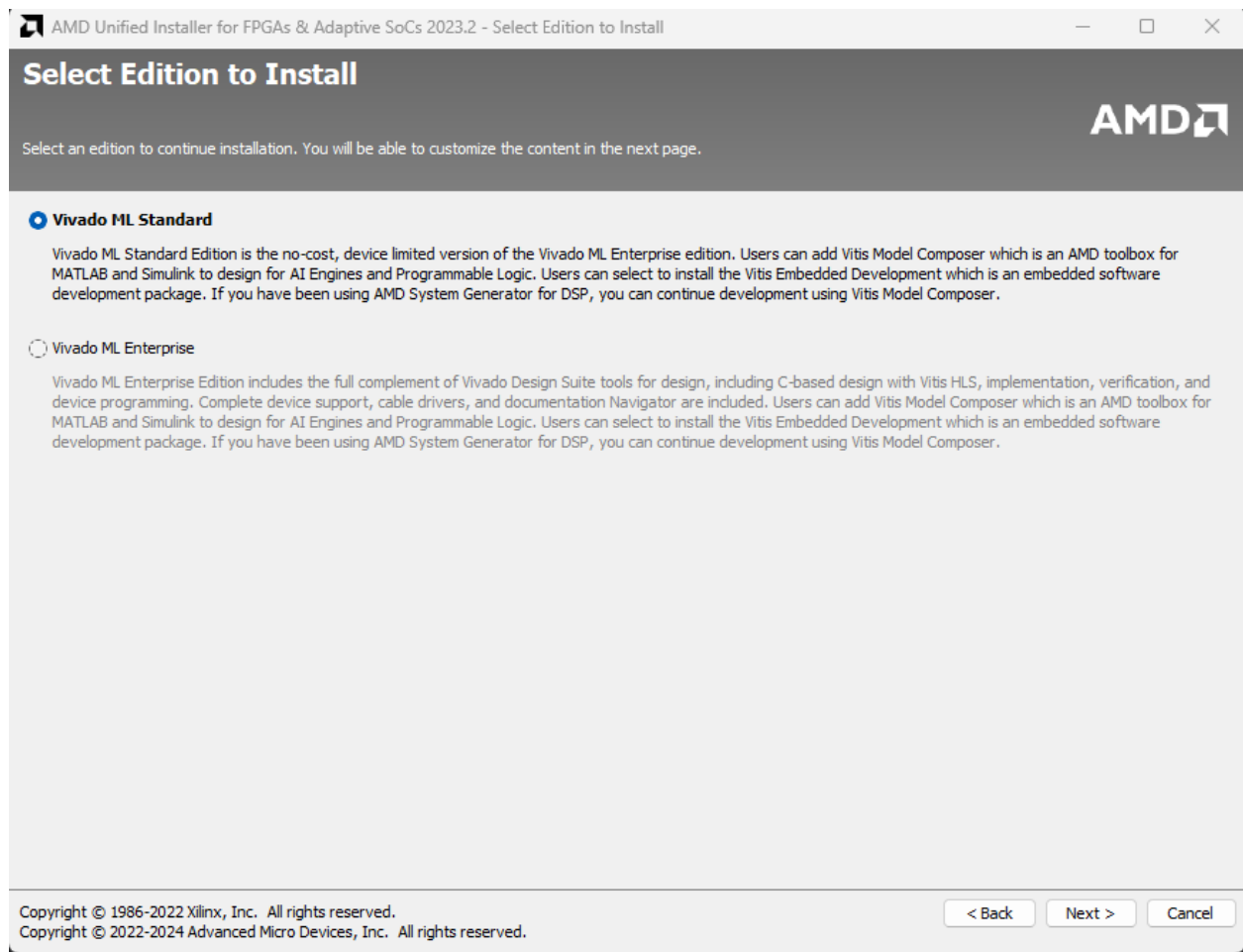


Figure 4 Select ML Standard

Step 4

Select only the 7 series product devices since those are the only devices we will be working with to save space on the machine.

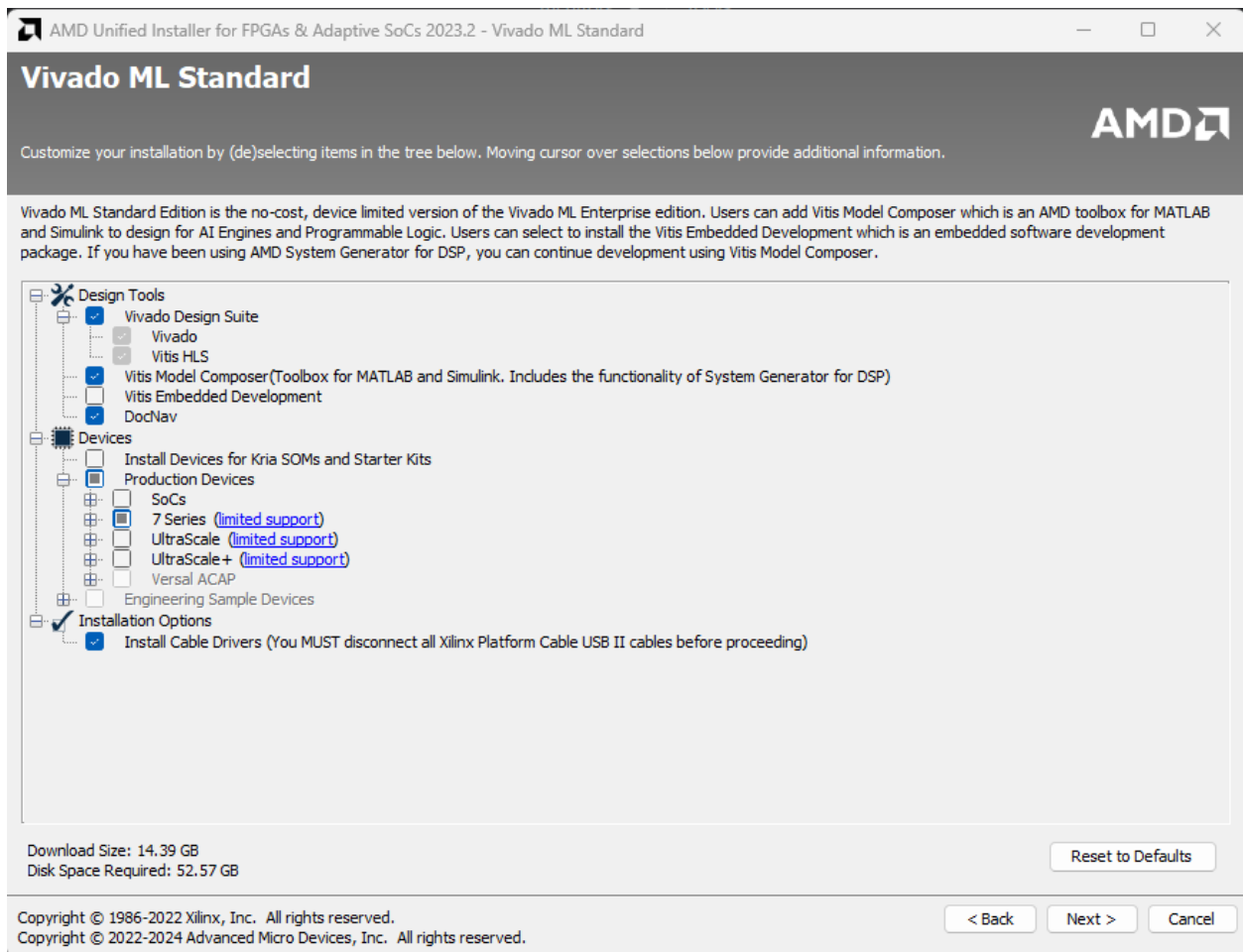


Figure 5 Devices to be selected to install

Step 5

Agree to all the licensing (ALL must be selected sadly)

AMD Unified Installer for FPGAs & Adaptive SoCs 2023.2 - Accept License Agreements

Accept License Agreements

Please read the following terms and conditions and indicate that you agree by checking the I Agree checkboxes.

End User License Agreement for Vivado

By checking "I Agree" below, or OTHERWISE ACCESSING, DOWNLOADING, INSTALLING or USING THE SOFTWARE, I AGREE on behalf of licensee to be bound by the agreement, which can be viewed by [clicking here](#).

☒ I Agree

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Third Party Software End User License Agreement for Vivado

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< Back Next > Cancel

Figure 6 EULA agreement

Step 6

Chose where to install Vivado, be carefull it quite a big application so select a drive which has the “Disk Space Required”

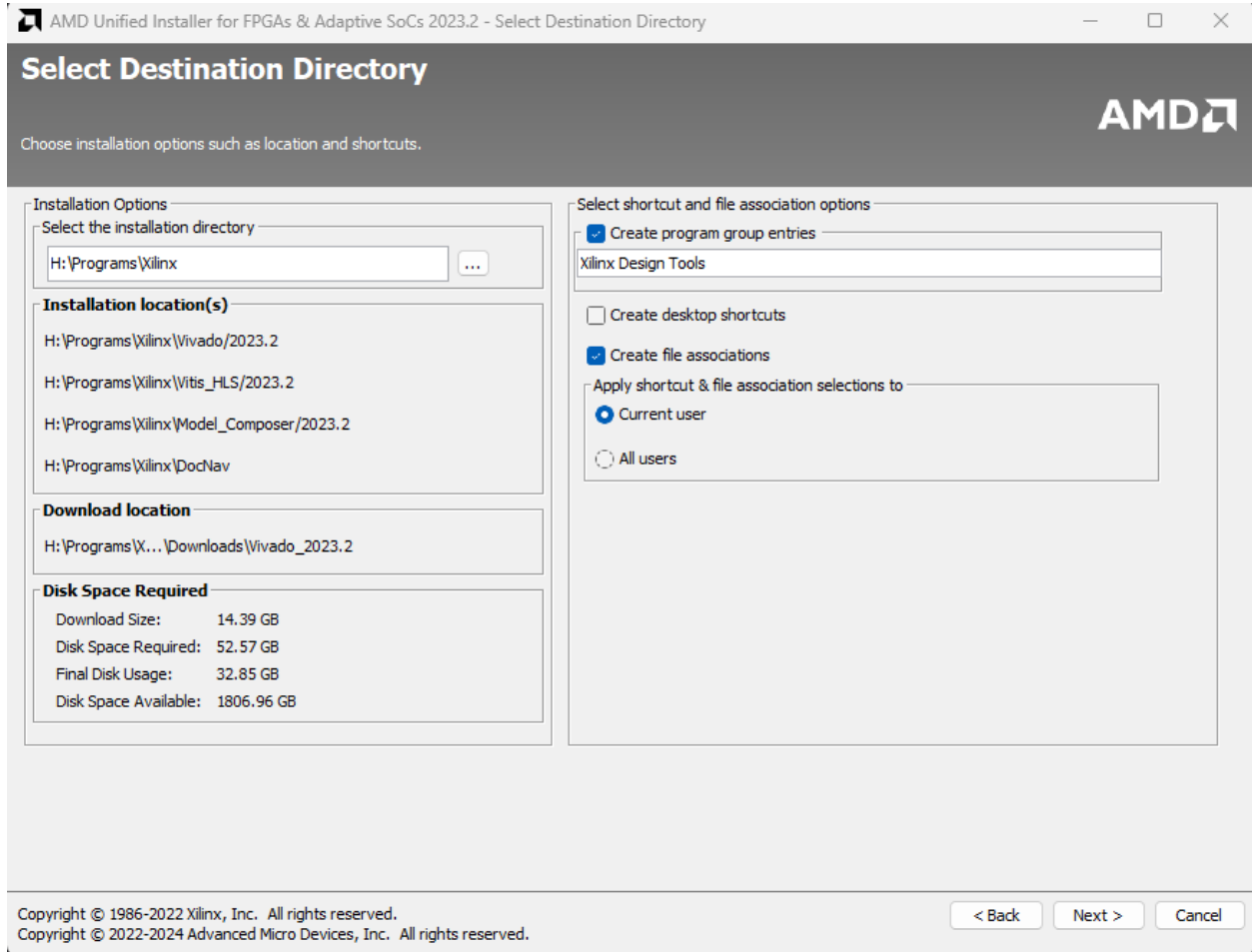


Figure 7 Path directory

Step 7

Inspect all the parameters then click “Install” button

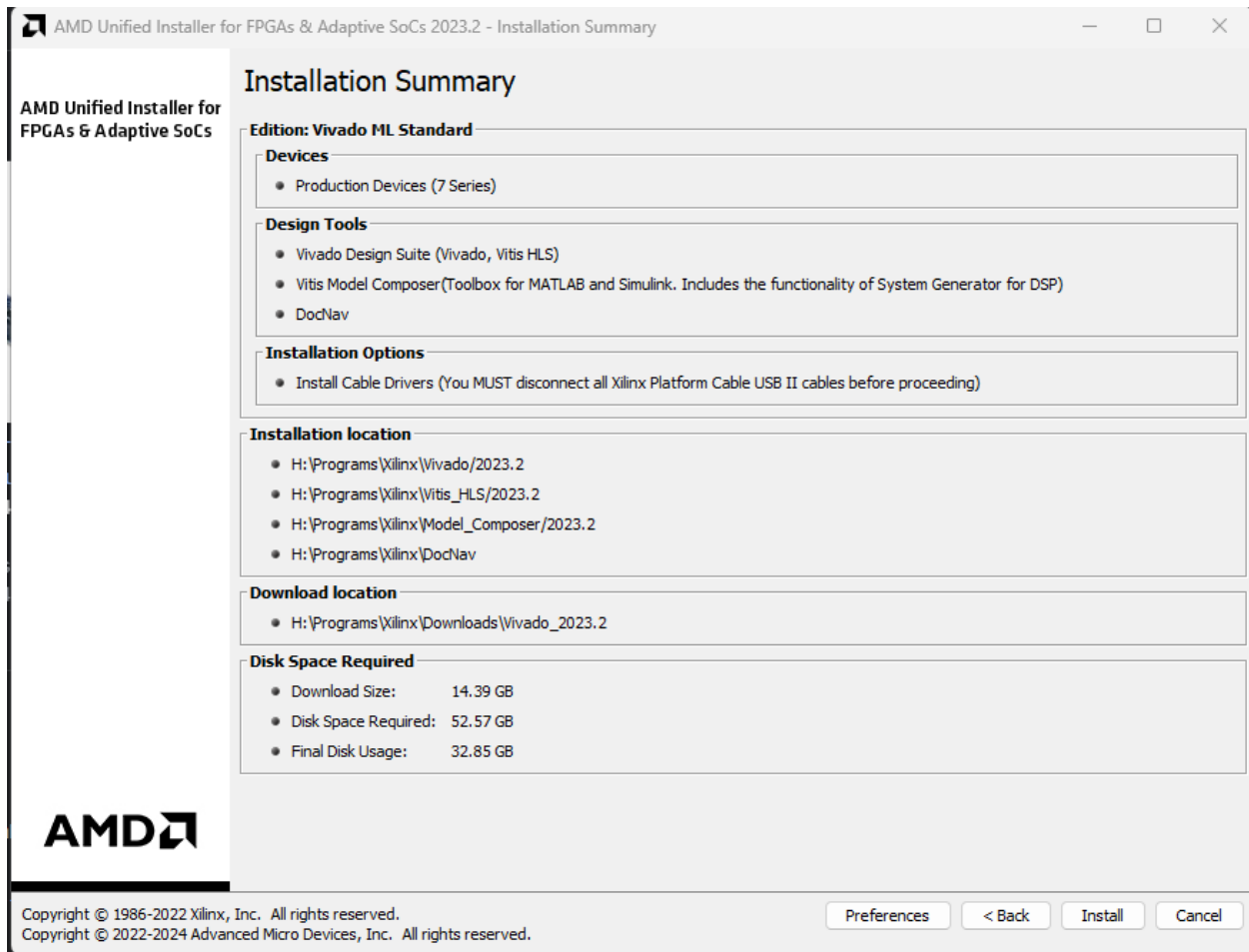


Figure 8 Final check and click install

Step 8

Wait for the program to install. This might take a while since the servers are slow the download rate is quite low.

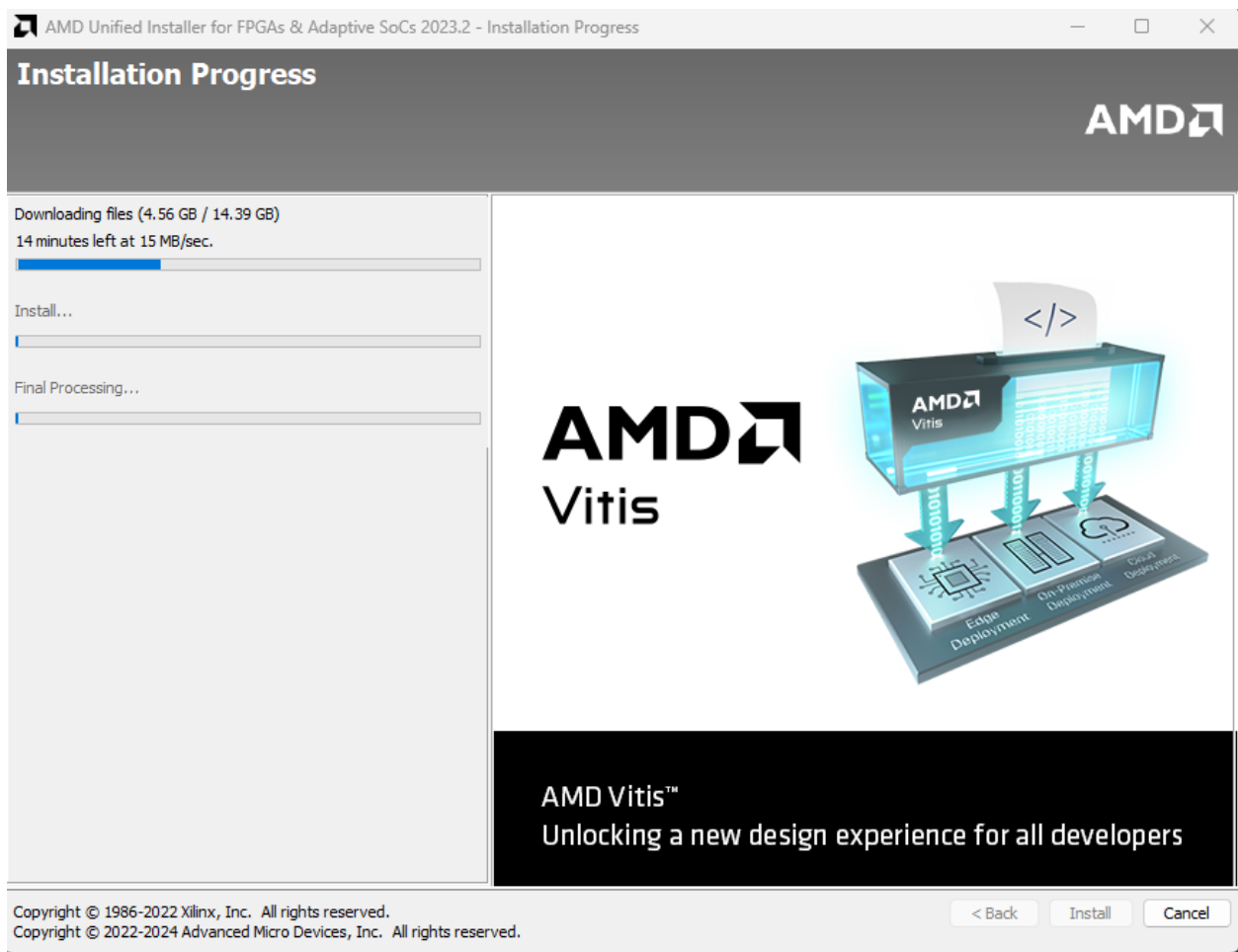


Figure 9 Download and install

Step 9

Open Vivado to check wheather it was installed succesfully

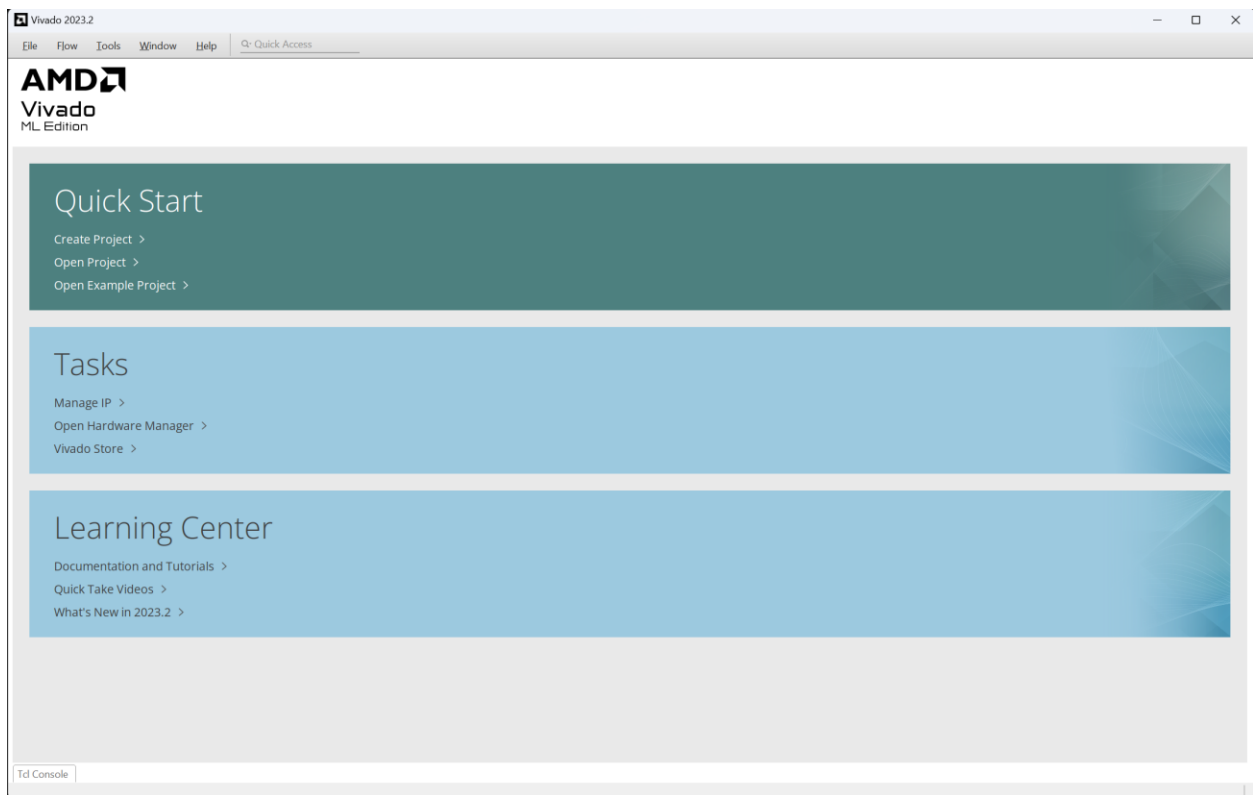


Figure 10 Open Vivado

Linux download

The link to download the .bin file for the Linux version is provided in the Windows Download section. But if you wish to download/install Vivado from other sources you are welcome to.

Linux installation

For Linux users the installation is similar, after you got the GUI of the Vivado installer showing, so the differences are in downloading and file extraction. This comes with some terminal tinkering, but a video tutorial and a forum link are provided to ease the prerequisites of the installation.

<https://community.element14.com/technologies/fpga-group/b/blog/posts/installing-xilinx-vivado-on-ubuntu>

<https://www.youtube.com/watch?v=1uJzjvgTQUk>

After the GUI of the installer is showing please refer to the Windows installation since the steps are mostly the same from there.