

Vivado installation guide

1. Go to Vivado downloads: <https://www.xilinx.com/support/download.html>
2. Scroll down to the “Vivado Design Suite - HLx Edition and select the Windows or Linux installer dependent on your OS.

Vivado Design Suite - HLx Editions - 2018.2 Full Product Installation

Important

We strongly recommend to use the web installers as it reduces download time and saves significant disk space.

Please see [Installer Information](#) for details.

Note: Download verification is only supported with Google Chrome and Microsoft Internet Explorer web browsers.

Download Includes

Download Includes	Vivado Design Suite HLx Editions (All Editions)
Download Type	Full Product Installation
Last Updated	Jun 18, 2018
Answers	2018.x - Vivado Known Issues
Documentation	Release Notes
Enablement	License Solution Center

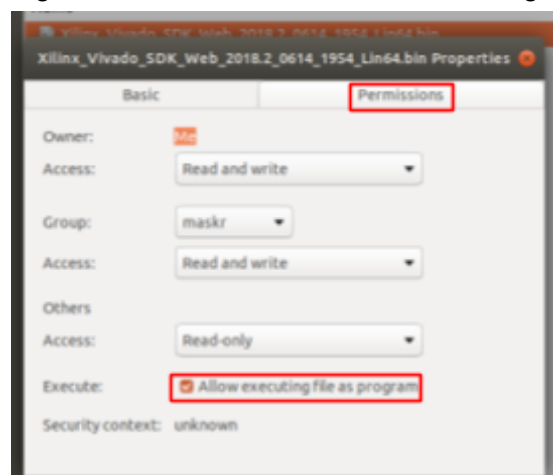
Vivado HLx 2018.2: WebPACK and Editions - Windows Self Extracting Web Installer (EXE - 50.56 MB)

MD5 SUM Value : 1b00a58303ddb3bca5e84fa1b26685b0

Vivado HLx 2018.2: WebPACK and Editions - Linux Self Extracting Web Installer (BIN - 99.45 MB)

MD5 SUM Value : 982490570f0c379bfcdeb32a31a5d0af

3. You need an account to download the installer so create one or use your existing account.
4. Start installation
 - a. (Windows) execute downloaded file
 - b. (Linux) navigate to download directory and make file executional by:
 - i. `chmod a+x name_of_file.bin` or
 - ii. Right click on downloaded file and change permissions



- iii. Open a terminal and move to download directory and run file **without sudo**:

```
maskr@maskr-HP-EliteBook-840-G2:~/Downloads$  
./Xilinx_Vivado_SDK_Web_2018.2_0614_1954_Lin64.bin
```

5. Use your account login and select “Download and install now”

Vivado 2018.2 Installer - Select Install Type

Select Install Type

Please select install type and provide your Xilinx.com user ID and password for authentication.

User Authentication

Please provide your Xilinx user account credentials to download the required files.
If you don't have an account, [please create one](#). If you forgot your password, you can [reset it here](#).

User ID

Password

☒ Download and Install Now

Select your desired device and tool installation options and the installer will download and install just what is needed. Installation files will be saved for future use. NOTE: Future installs using these downloaded files will be needed. For access to all options later, choose "Download Full Image".

☐ Download Full Image (Install Separately)

The installer will download an image containing all devices and tool options for later installation. Use the full image on a network drive or allow different users maximum flexibility when installing.

6. Next, agree to licenses and select WebPACK installation

Vivado 2018.2 Installer - Select Edition to Install

Select an edition to continue installation. You will be able to change your selection later.

☒ Vivado HL WebPACK

Vivado HL WebPACK is the no cost, device limited version of Vivado. It includes the System Generator for DSP to this installation.

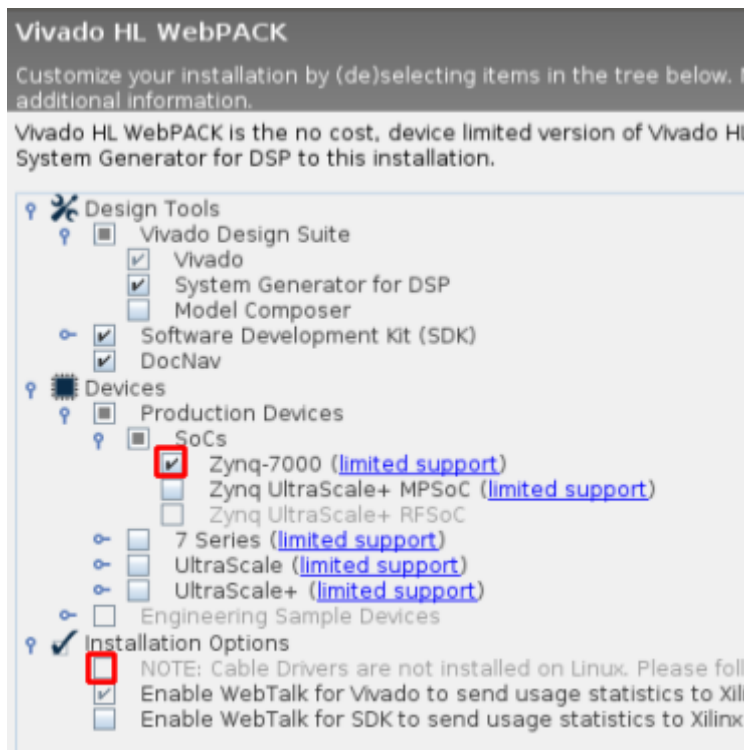
☐ Vivado HL Design Edition

Vivado HL Design Edition includes the full complement of Vivado High-Level Synthesis, implementation, verification and device programming. Documentation Navigator are included. Users can optionally install additional device drivers.

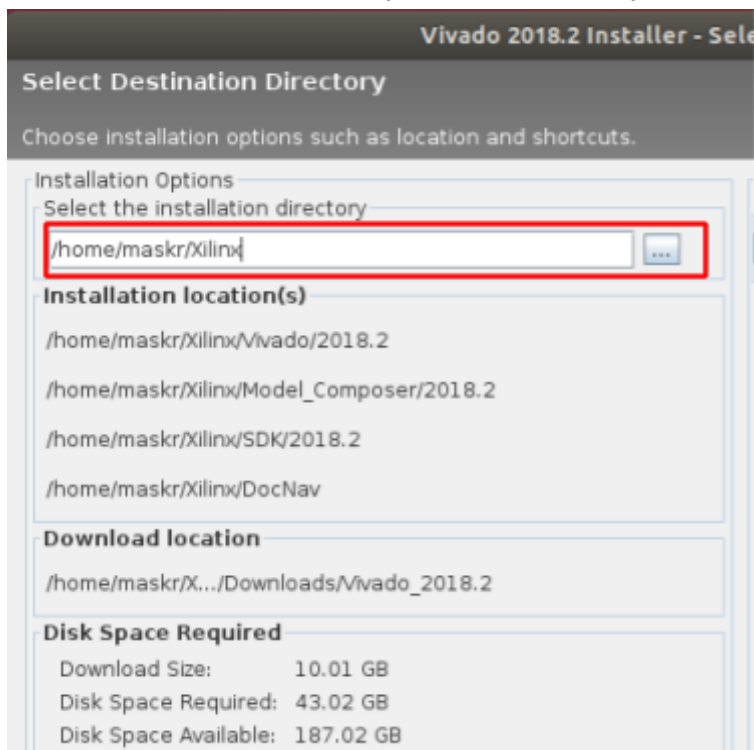
☐ Vivado HL System Edition

Vivado HL System Edition includes the full complement of Vivado High-Level Synthesis, implementation, verification and device programming. Documentation Navigator are included. Users can optionally install additional device drivers.

7. Make sure you have a checkmark at Zynq-7000 and Windows users have a checkmark at Cable drivers



8. (Linux) Chose somewhere in your home directory for installation



Installation guide Cable Driver (Linux only)

1. Open a terminal and change directory to <Vivado Install Dir>/2018.2/data/xicom/cable_drivers/lin64/install_script/install_drivers
2. Run cable driver installation with root privileges (sudo ./install_drivers)

Source: Xilinx installation guide UG973

https://www.xilinx.com/support/documentation/sw_manuals/xilinx2016_4/ug973-vivado-release-notes-install-license.pdf

Setup and test board files

1. Download board_files.zip from Blackboard or from one of the reference designs at https://shop.trenz-electronic.de/en/Download/?path=Trenz_Electronic/Modules_and_Module_Carriers/special/TE0722/Reference_Design/2018.2/test_board
2. Follow trenz guide to setup files (Option3 worked fine for me) <https://wiki.trenz-electronic.de/display/PD/Installation>
3. You should now be able to select the TE0722 board in the new project wizard:

