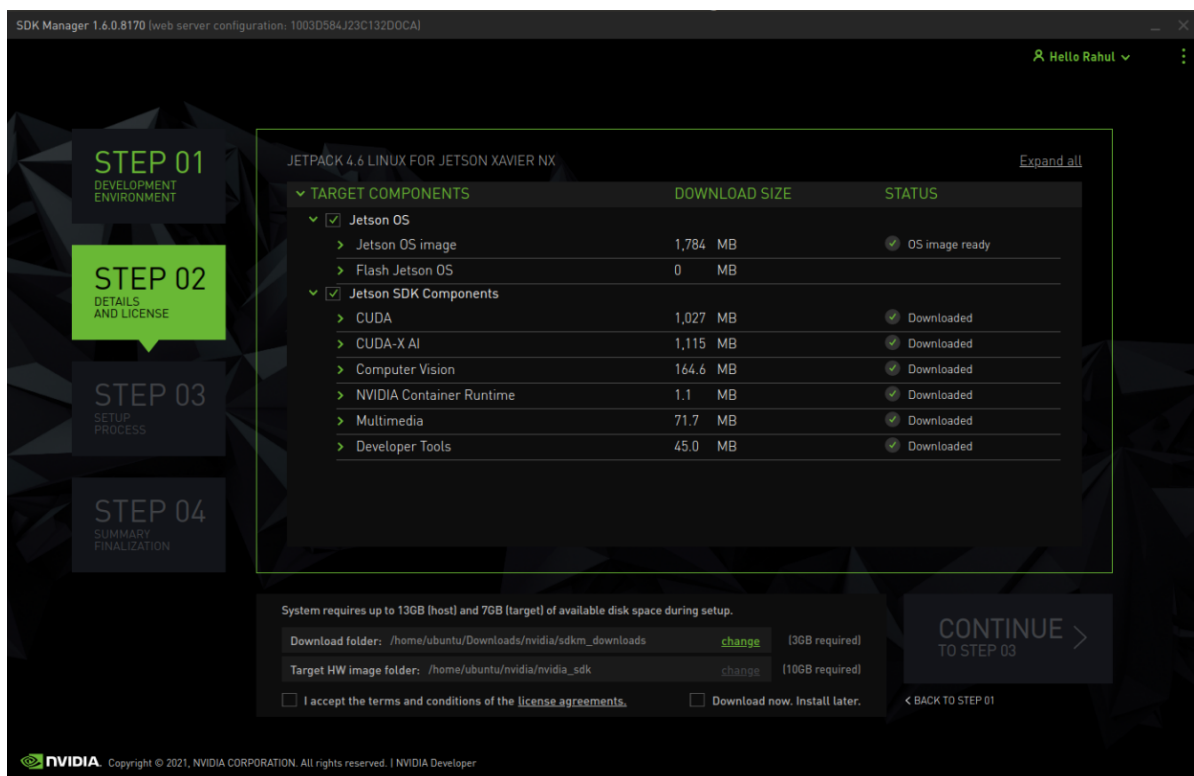


# Steps to flash 21.08 Jetson CUDA-X AI Developer Preview on Jetson AGX Xavier Developer Kit / Jetson Xavier-NX emmc sku

1. Download sdkmanager client to Ubuntu host system  
SDKM Download link : <https://developer.nvidia.com/nvidia-sdk-manager>
2. Install sdkmanager Client on your ubuntu (version 16.04 or 18.04) host PC  
Change to your download directory and install the SDKM client  
**\$ cd <download\_directory>**  
**\$ sudo apt install ./sdkmanager-[version].[build#].deb**
3. Launch SDK Manager and select **JetPack 4.6 GA** from the pull down menu. Follow instructions to flash Jetson OS and install Jetpack components

**\$ sdkmanager**



For detail information , Please refer

<https://docs.nvidia.com/sdk-manager/install-with-sdkm-jetson/index.html>

4. After flashing the device, complete the initial configuration of the device.

If the HDMI/other display is connected to the Jetson Developer Kit

- Follow the instructions on Screen and complete the system configuration via GUI.

OR

If the HDMI/other display is not connected to the device ,

- Open /dev/ttyACM0 UART serial console (e.g. use minicom) to complete the system configuration via serial console.

5. Download zip file which includes debian packages of cuDNN : [link](#)

6. Unzip the downloaded zip file and go into the unzipped folder

7. Install cuDNN on Jetson

```
sudo dpkg -i libcudnn8_8.2.3.8-1+cuda10.2_arm64.deb
sudo dpkg -i libcudnn8-dev_8.2.3.8-1+cuda10.2_arm64.deb
sudo dpkg -i libcudnn8-samples_8.2.3.8-1+cuda10.2_arm64.deb
```