

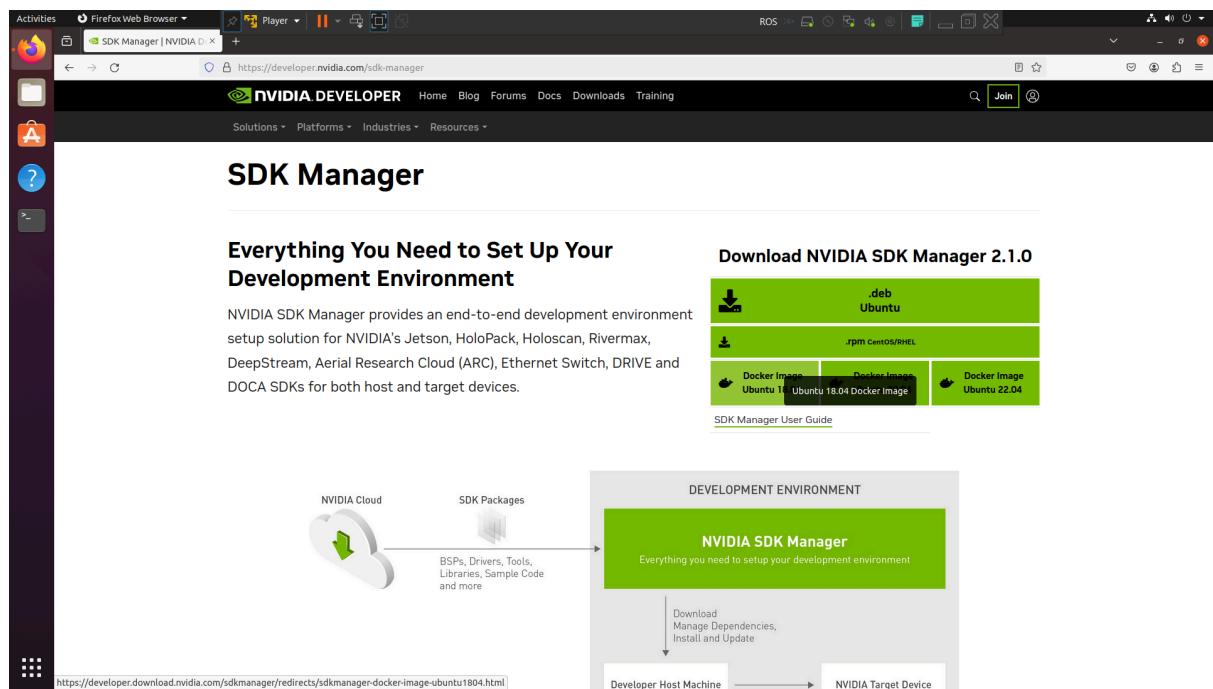
Here we go!
How to flash the jetson AGX orin

Pre requirement:

Jetson AGX Orin
USB to Type C Cable
Host Machine (linux)

Step 1 : Download nvidia sdk manager in below site

<https://developer.nvidia.com/sdk-manager>

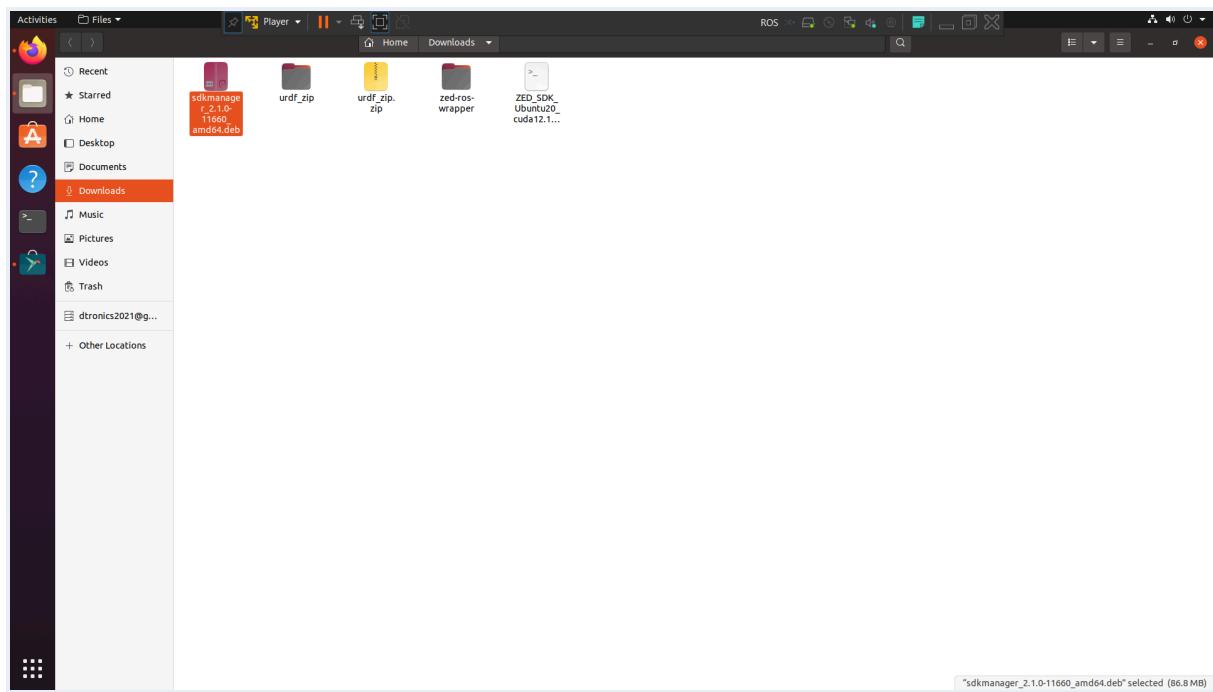


Click on .deb Ubuntu to download. It will ask login username and password

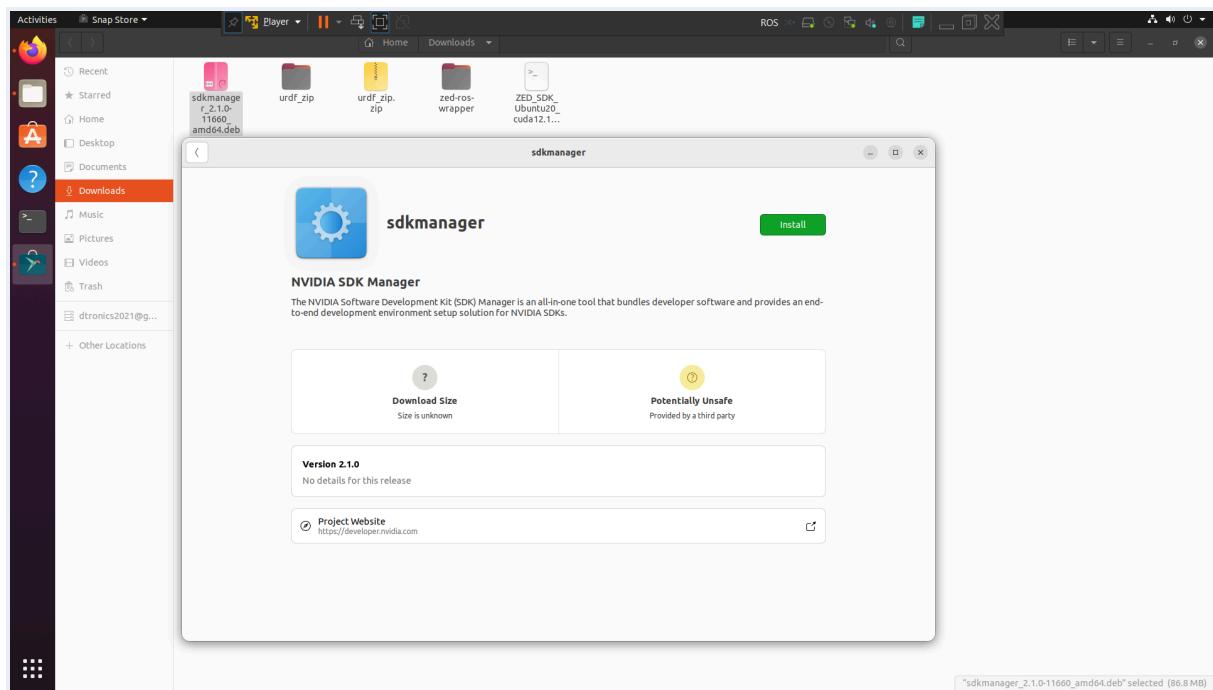
Username : adastraroverteam@gmail.com

Password : adastra@123

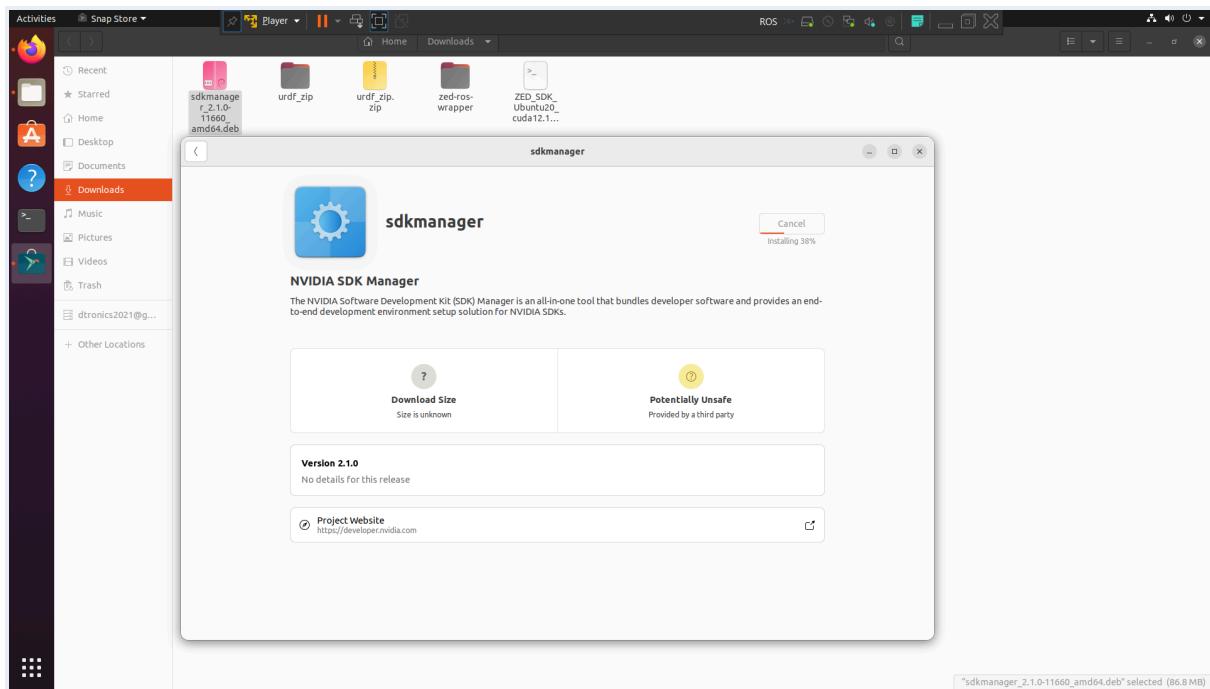
After Downloading



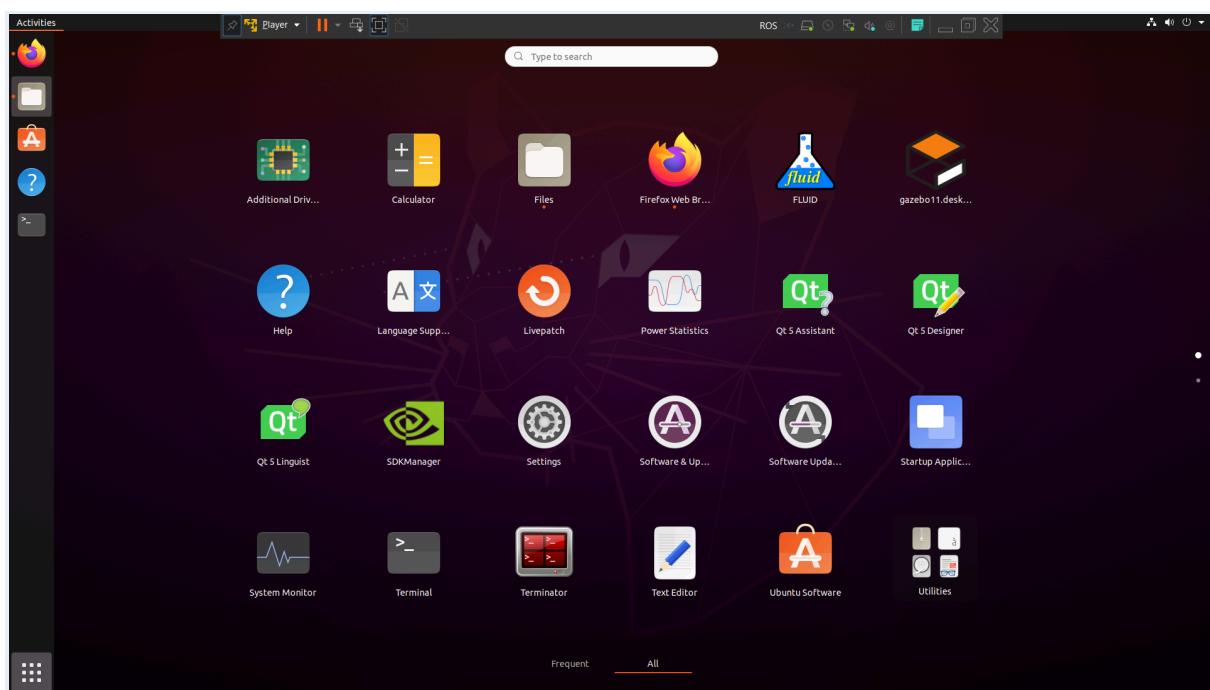
Double click the Downloaded file

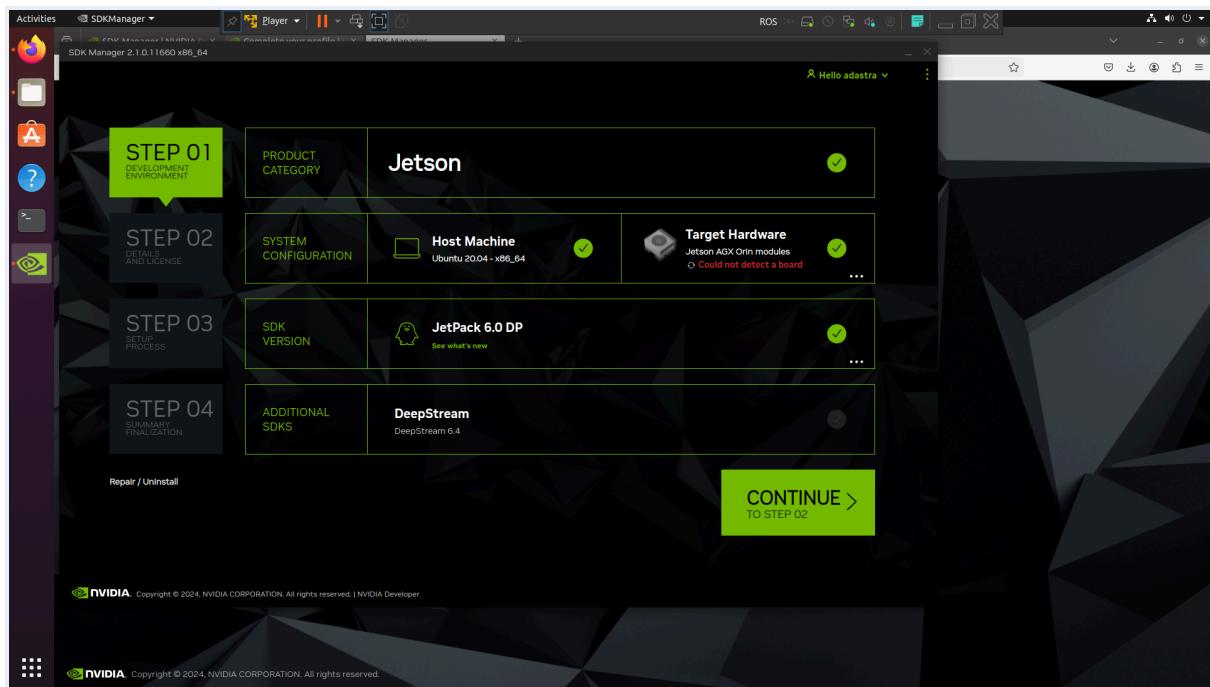


Click install button



After Installation Complete then click show Application icon





!! Choose JetPack OS Based on your Requirement

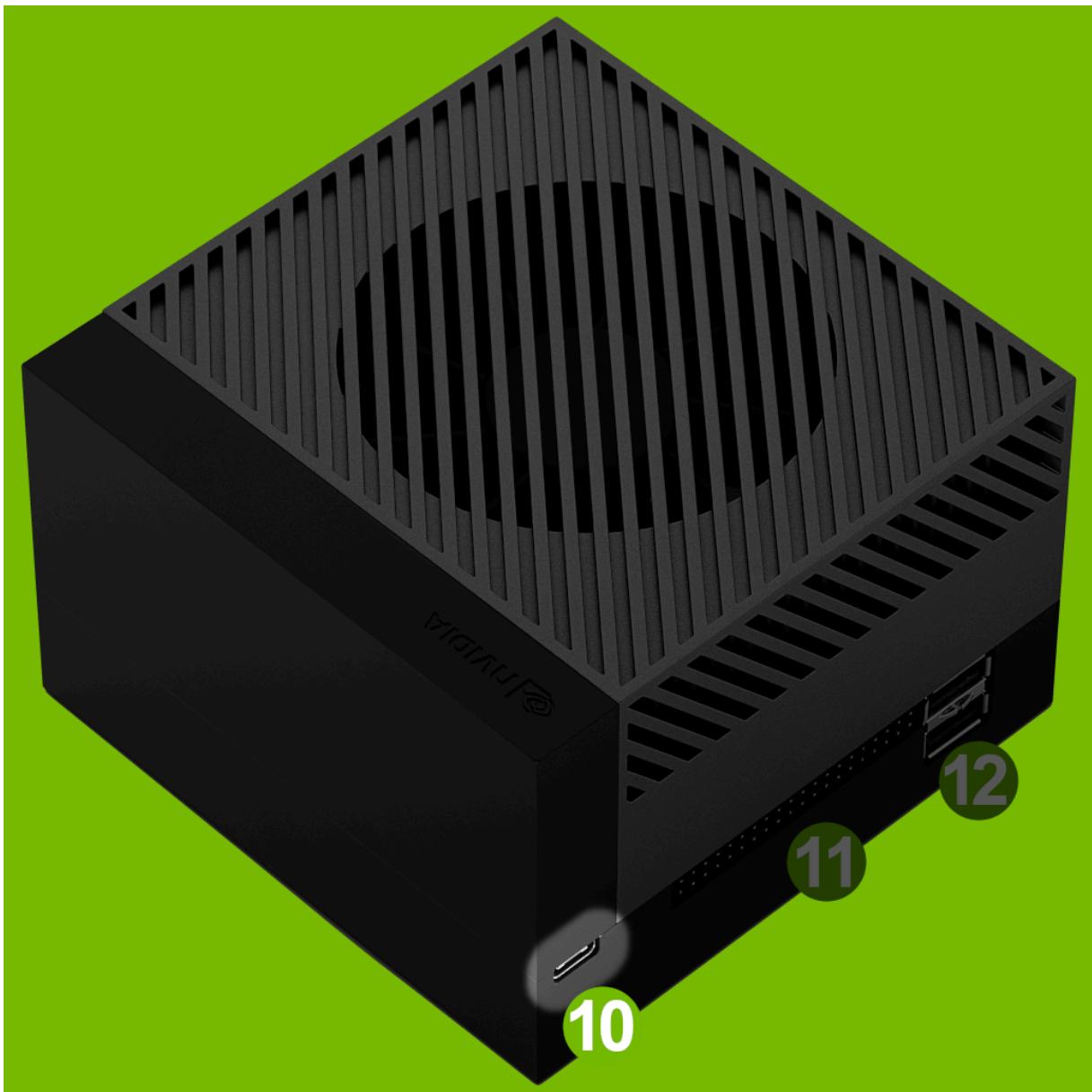
Reference for more Details

https://developer.nvidia.com/embedded/learn/jetson-agx-orin-devkit-user-guide/two_ways_to_set_up_software.html

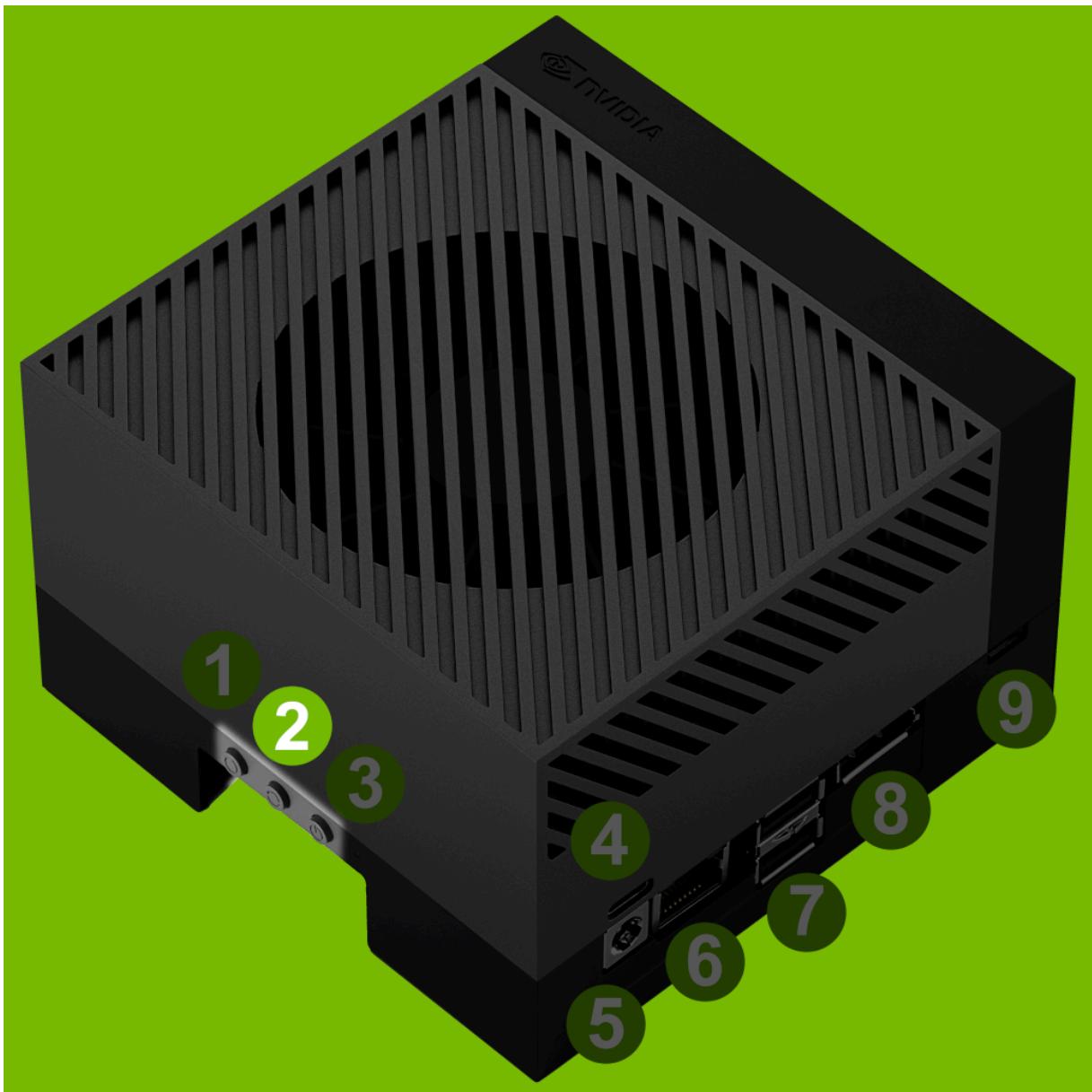
Hardware Setup

Connect NVIDIA Jetson AGX Orin Developer Kit to the PC with the bundled USB Type-A to Type-C cable.

Make sure you put the Type-C plug of the cable into the USB Type-C port next to 40-pin connector for flashing.



While holding the middle Force Recovery button (2



), insert the USB Type-C power supply plug into the USB Type-C port above the DC jack.

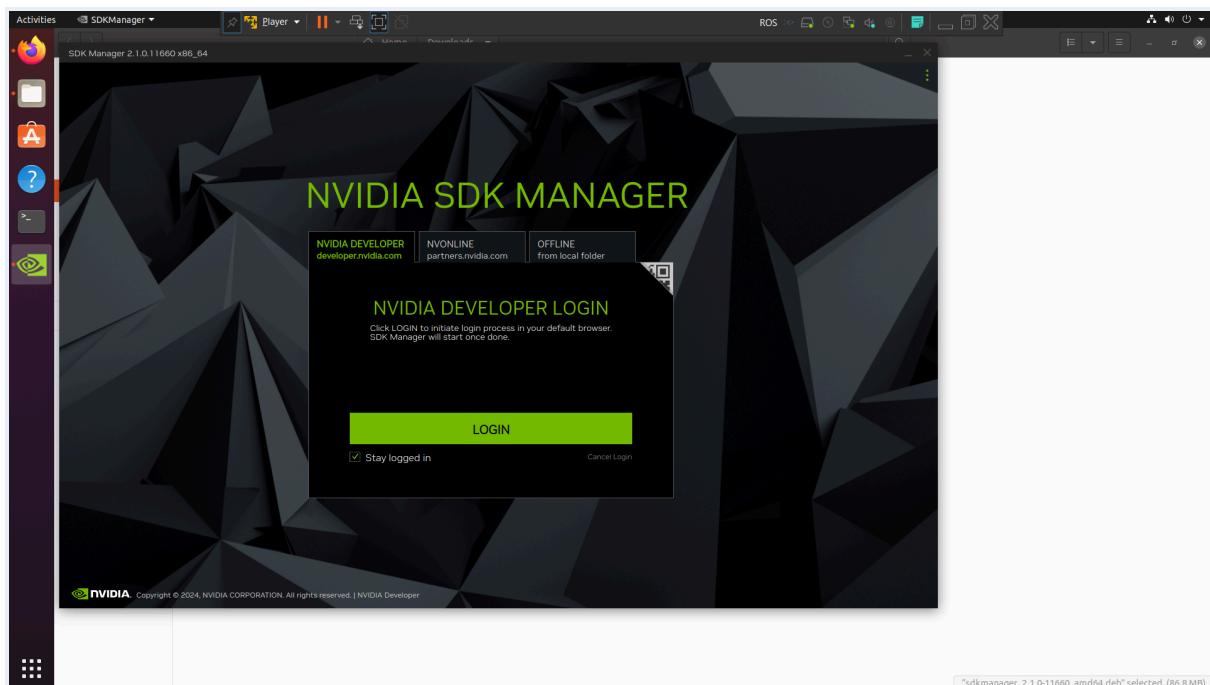
This will turn on the Jetson dev kit in Force Recovery Mode.

Steps

1. Launch SDK Manager
2. On the Step 01 Development Environment window;
 - From the Product Category panel, select Jetson.
 - From the Hardware Configuration panel, de-select "Host Machine" and select **Jetson AGX Orin module** for Target Hardware.

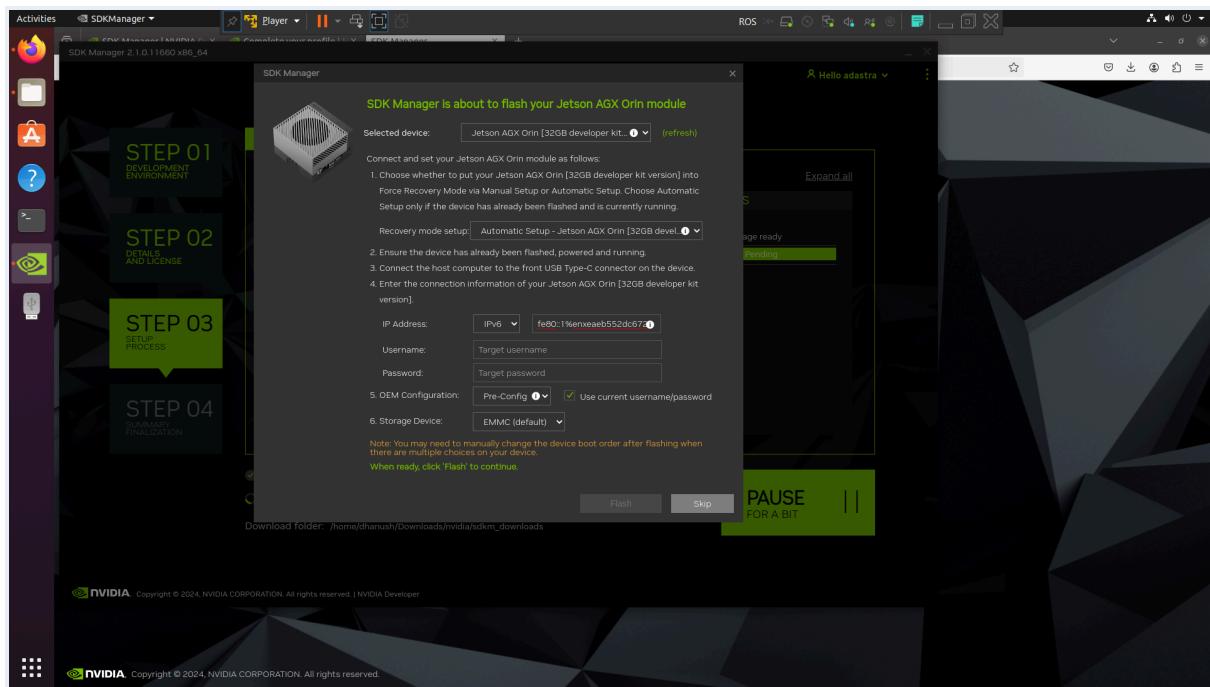
- Click "CONTINUE" button.
 - From the Target Components panel, just select "Jetson OS" to install the base L4T BSP, and deselect "Jetson SDK Components".
 - Review the license.
 - Enable the checkbox to accept the license agreements.
 - Click **CONTINUE** button.
3. On the Step 02 Details and License window;
Before the installation begins, SDK Manager prompts you to enter your sudo password.

Click SDKManager

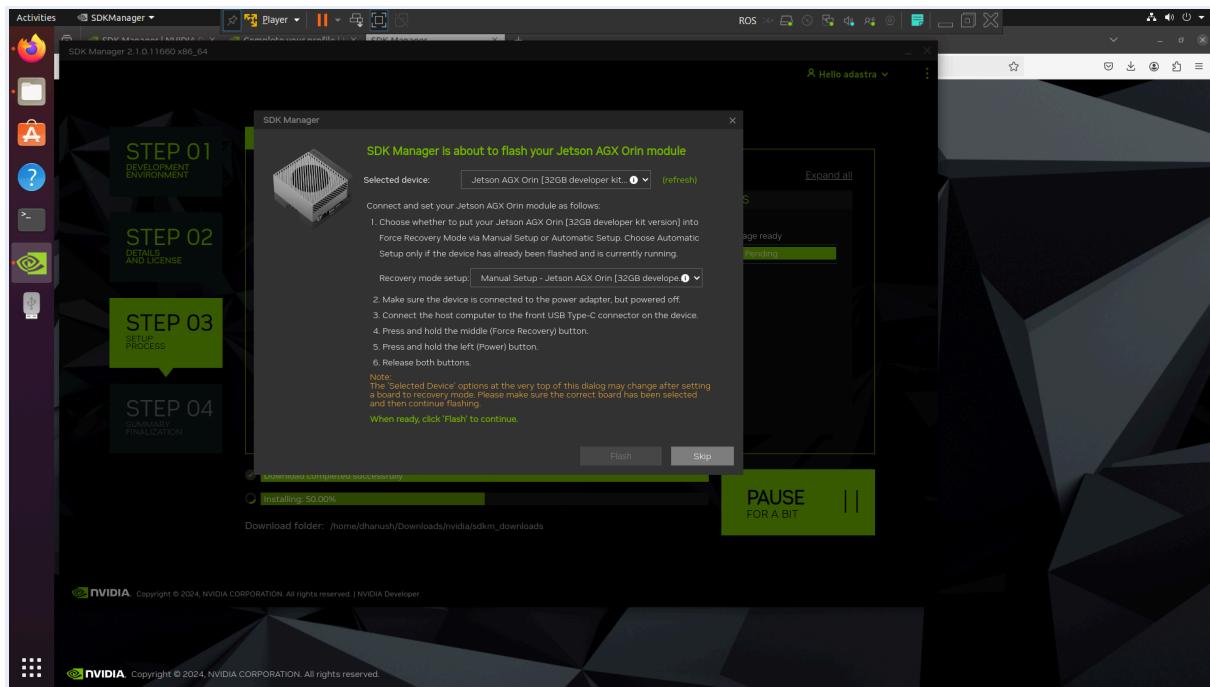


Login Again with Same username and Password

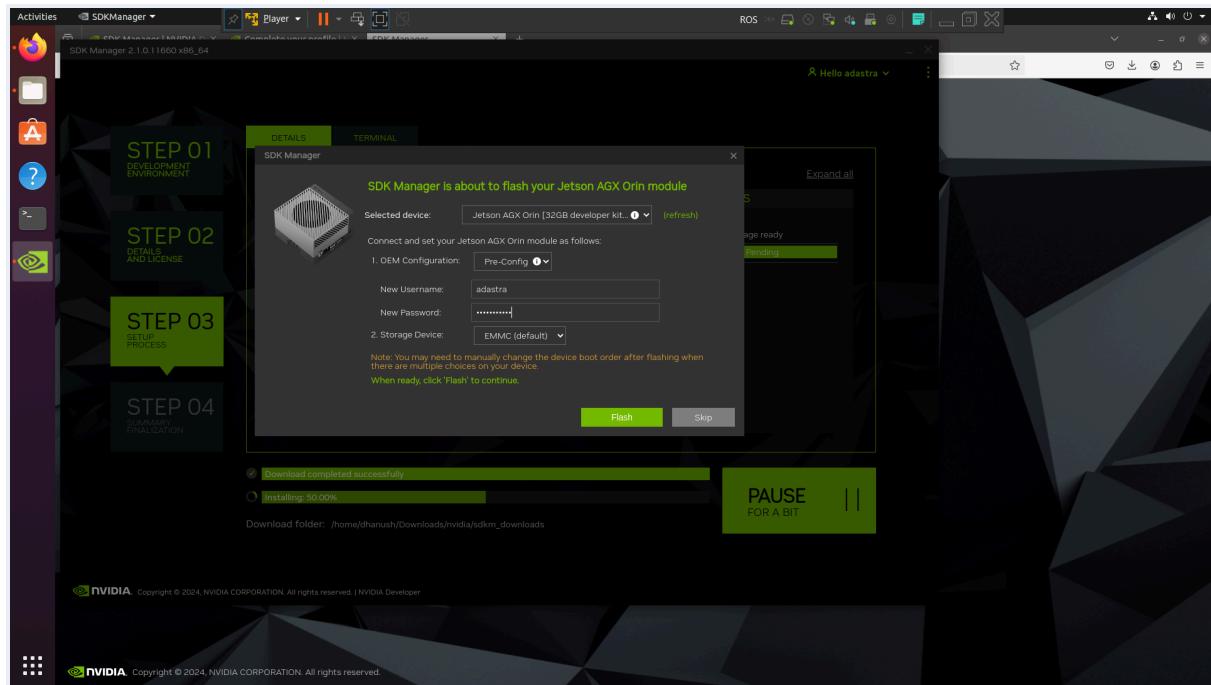
After Login We get this page



Choose Manual Setup



Click power and middle button to get this



To Install JetPack

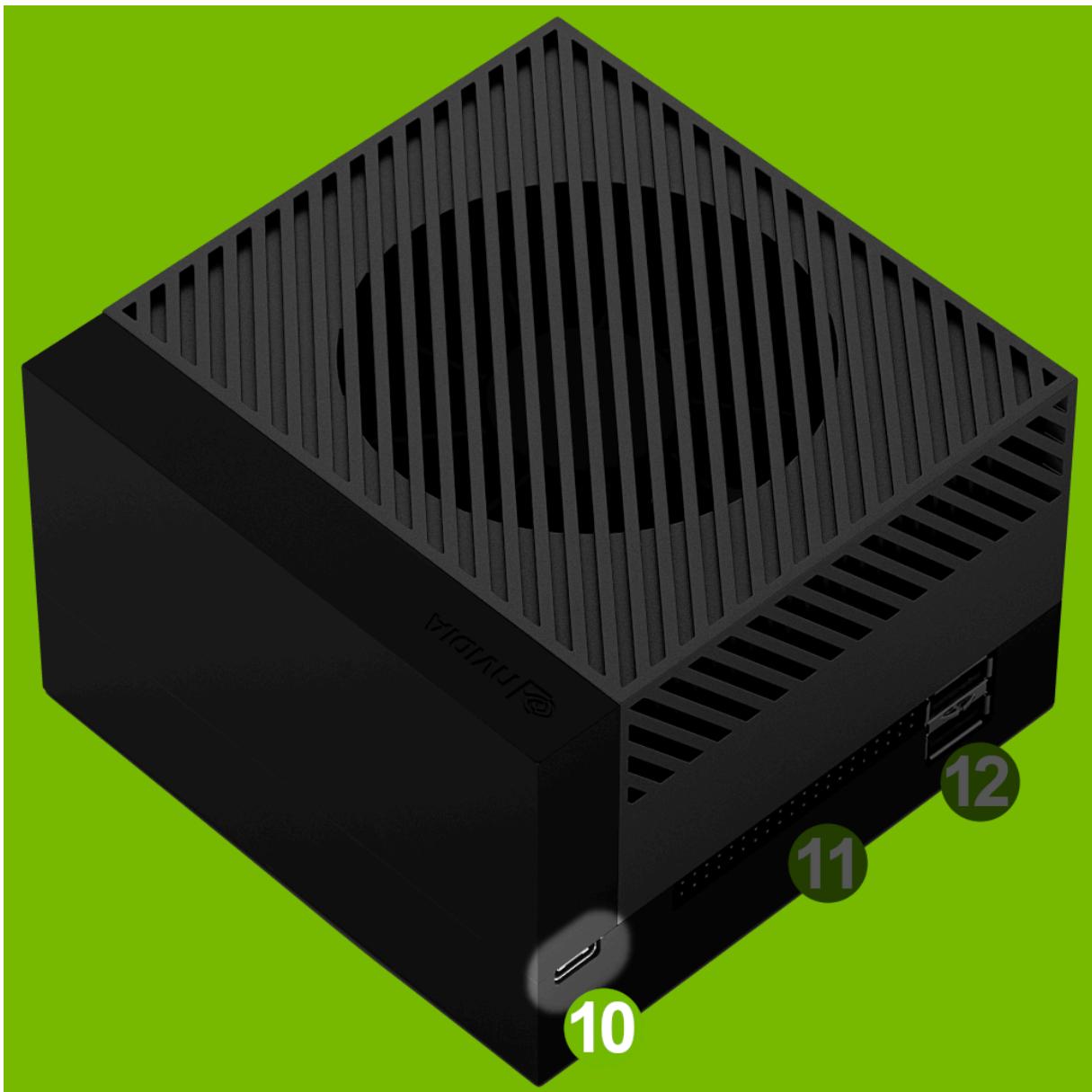
Use SDK Manager to Install JetPack Components

Hardware Setup

Make sure your NVIDIA Jetson AGX Orin Developer Kit has the base L4T BSP flashed, the Ubuntu system is up and running, and you can login to the system.

While the NVIDIA Jetson AGX Orin Developer Kit is turned on, connect it to the PC with the bundled USB Type-A to Type-C cable.

Make sure you put the Type-C plug of the cable into the USB Type-C port ([10](#)



) next to 40-pin connector for flashing.

Steps

1. Launch SDK Manager
2. On the Step 01 Development Environment window;
 - From the Product Category panel, select Jetson.
 - From the Hardware Configuration panel, de-select "Host Machine" and select **Jetson AGX Orin module** for Target Hardware.
 - Click "**CONTINUE**" button.
3. On the Step 02 Details and License window;

- From the Target Components panel, de-select "Jetson OS" and select "Jetson SDK Components" to install all the rest of the JetPack components.
 - Review the license.
 - Enable the checkbox to accept the license agreements.
 - Click **CONTINUE** button.
- Step 03 Setup Process window immediately bring up a dialog for inputting login information to install JetPack components
 - Leave the Connection as "USB".
 - Leave the IPv4 address as **192.168.55.1**.
 - Click "**Install**" button.
 - Once the dialog is closed, the download progress is shown on the Step 03 Setup Process window.

To Install ZED SDK

Step 1: Download ZED from <https://www.stereolabs.com/developers/release>

Step 2: Navigate To Downloads Folder

- Bold** are commands
- Other are Output

```
adastra@ubuntu:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
adastra@ubuntu:~$ cd Downloads/
adastra@ubuntu:~/Downloads$ ls
ZED_SDK_Tegra_L4T35.4_v4.0.8.zstd.run
adastra@ubuntu:~/Downloads$ chmod +x ZED_SDK_Tegra_L4T35.4_v4.0.8.zstd.run
adastra@ubuntu:~/Downloads$ ls
ZED_SDK_Tegra_L4T35.4_v4.0.8.zstd.run
adastra@ubuntu:~/Downloads$ ./ZED_SDK_Tegra_L4T35.4_v4.0.8.zstd.run
Verifying archive integrity... 100% MD5 checksums are OK. All good.
Uncompressing 'ZED camera SDK by Stereolabs (Use 'sudo apt install zstd' if zstd is not
found)'./ZED_SDK_Tegra_L4T35.4_v4.0.8.zstd.run: 1: eval: zstd: not found
... Decompression failed.
... Extraction failed.
100% Signal caught, cleaning up
adastra@ubuntu:~/Downloads$ sudo apt install zstd
```

After Installed zstd Package then

```
adastra@ubuntu:~/Downloads$ ./ZED_SDK_Tegra_L4T35.4_v4.0.8.zstd.run
```