Jetpack SDK for Platform

Nvidia Jetpack SDK installation : SDK manager tool

Reference:

https://docs.nvidia.com/jetson/jetpack/introduction/index.html

https://developer.nvidia.com/embedded/jetpack

Install the sdk manager package on host computer (laptop/desktop other than Jetson): https://docs.nvidia.com/sdk-manager/download-run-sdkm/index.html

Flashing the Jetpack's image into Jetson platform (Xavier , Orin):

NOTE: only JetPack5 can be used, which supports Ubuntu 20. Earlier and later versions of JetPack support different versions of Ubuntu and are not compatible with this application running ROS Noetic (ROS1) for Ubuntu 20.

1. Choose whether to put your Jetson AGX Orin into Force Recovery Mode via Manual Setup or Automatic Setup. Choose Automatic Setup only if the device has already been flashed and is currently running.

1. Make sure the device is connected to the power adapter, but powered off.
2. Connect the host computer to the front USB Type-C connector on the device (the side opposite the power port).
3. Press and hold the middle (Force Recovery) button.
4. Press and hold the left (Power) button.
5. Release both buttons.

Orin : It's not going into force recovery mode : "sudo reboot --force forced-recovery" (it requires the initial set up as described in the instructions)

Running with Old Versions of JetPack (e.g., JetPack 5.0.2)

Start the SDK Manager with the following command: "sdkmanager --archived-versions"