

Week 1: Setup Jetson Nano Developer Kit

Edge Computing

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- “Guide for Jetson Nano Developer Kit”,
<https://developer.nvidia.com/embedded/learn/get-started-jetson-nano-devkit>



Outline

1 Installation

2 Fist boot



Get Stated

- Follow the set-up in <https://developer.nvidia.com/embedded/learn/get-started-jetson-nano-devkit>
- 1 Write Image to the microSD Card
 - 2 Setup and First Boot

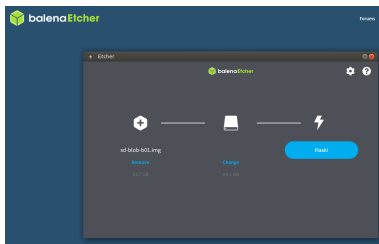


Write Image to the microSD Card

- Download SD image from
<https://developer.nvidia.com/embedded/downloads>
 - IMPORTANT: if you have Jetson-Nano 2GB please download
[Jetson Nano 2GB Developer Kit SD Card Image v4.6.1](#)
- Burn the image in a SD Card depending on you own PC Operating System
 - For Windows link
 - For MacOS link
 - For Linux link



Write Image to the microSD Card

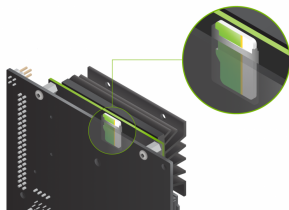


Burning tool

- Flash OS image to SD card with [balena](#)
- **Superuser rights** are required

Setup and First Boot

- 1 Connect the Jetson-Nano board to HDMI connector
- 2 Insert the SD-Card **previously burnt**
- 3 Power on your computer display and connect it
- 4 Connect the USB **keyboard** and **mouse**
 - It is mandatory to first boot
- 5 Connect your Micro-USB power supply
 - **The developer kit will power on and boot automatically**



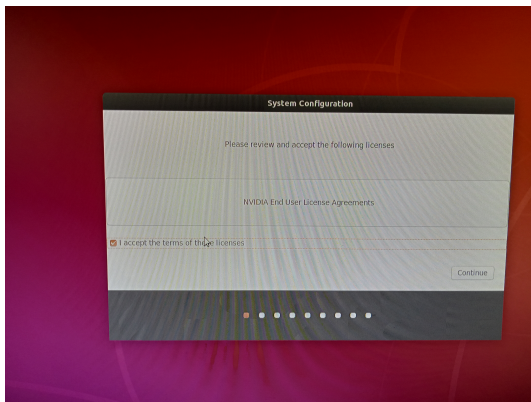
First Boot

- Green LED will be lighted on
- When you boot the first time, the developer kit will take you through some initial setup, including:
 - 1 Review and accept NVIDIA Jetson software EULA
 - 2 Select system language, keyboard layout, and time zone
 - 3 Create username, password, and computer name (user: **nano**, passwd: **nano_pass**)
- Select APP partition size-it is recommended to use the max size suggested



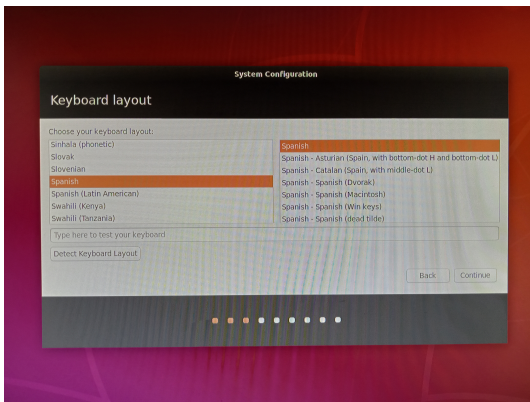
Steps

1 Review and accept NVIDIA Jetson software EULA



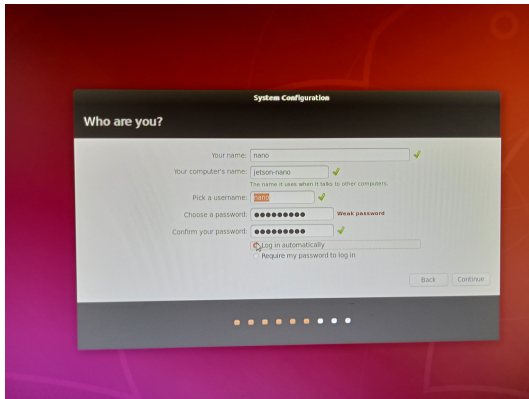
Steps

- 2 Select system language, keyboard layout, and time zone



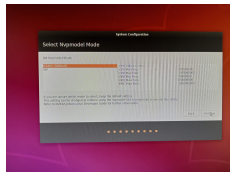
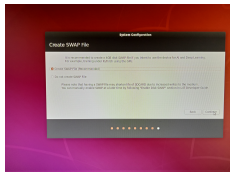
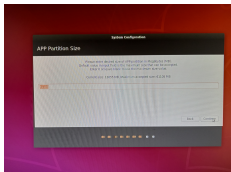
Steps

- 3 Create username, password, and computer name (user: **nano**, passwd: **nano_pass**)



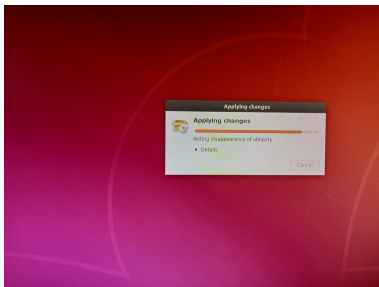
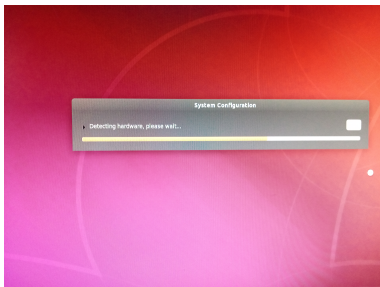
Steps

- 4 Select APP partition size-it is recommended to use the max size suggested

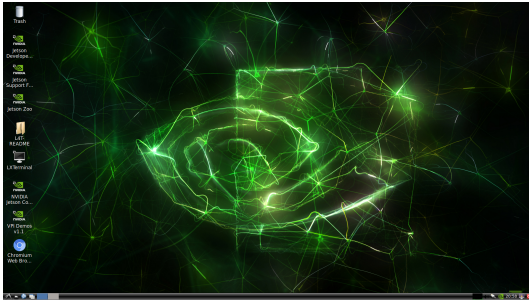


Steps

5 Final system configuration



Desktop



Updating the system

Terminal #1

```
nano@jetson-nano~:$ sudo apt-get update  
nano@jetson-nano~:$ sudo apt-get upgrade
```

