

# 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](https://developer.nvidia.com/embedded/learn/get-started-jetson-nano-devkit)



# Outline

1 Installation

2 Fist boot



# Get Started

- 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

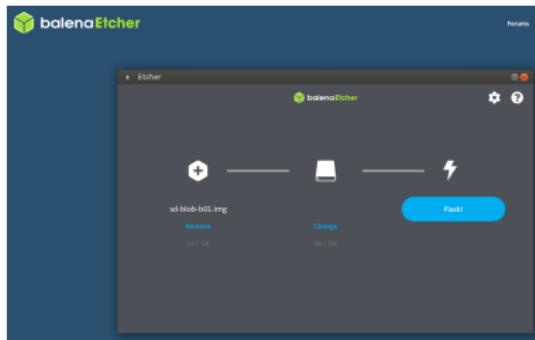


# Write Image to the microSD Card

- 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 your own PC Operating System
  - For Windows link
  - For MacOS link
  - For Linux link



# Write Image to the microSD Card



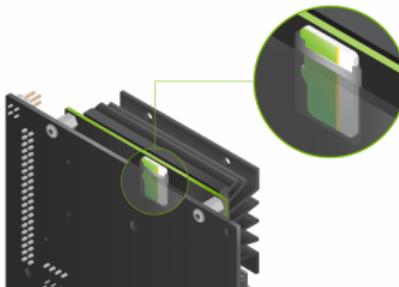
## Burning tool

- 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**



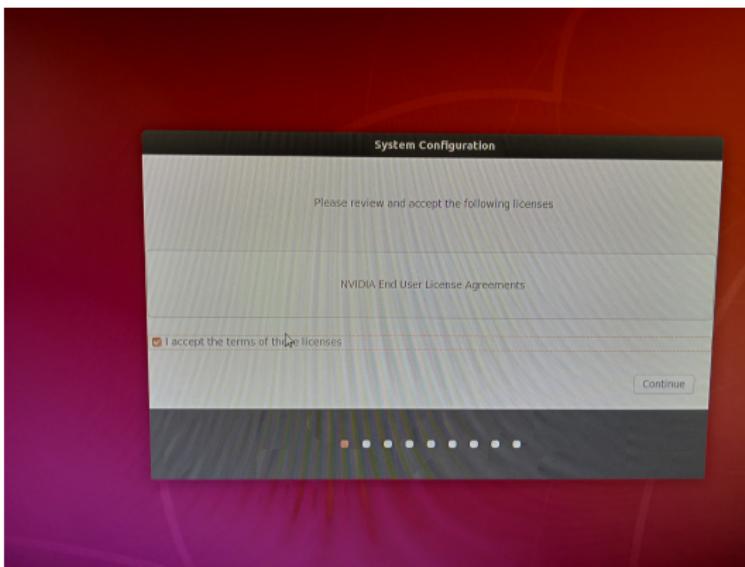
# First Boot

- 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



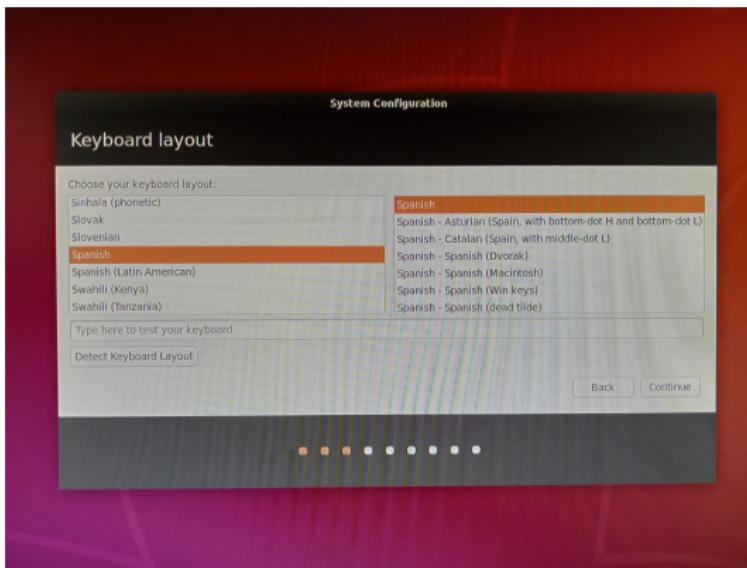
# Steps

## 1 Review and accept NVIDIA Jetson software EULA



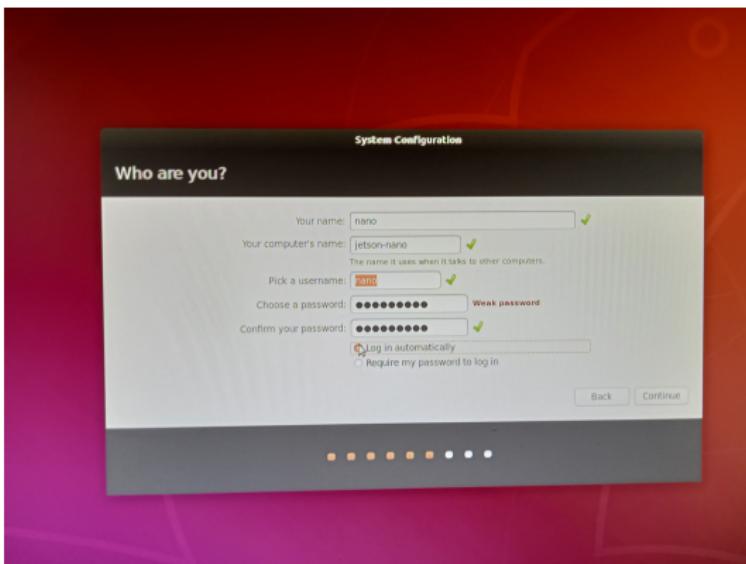
# Steps

## 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



Installation  
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Fist boot  
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# Desktop



# Updating the system

Terminal #1

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

