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







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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



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Setup and First Boot

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- 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



1 Review and accept NVIDIA Jetson software EULA





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2 Select system language, keyboard layout, and time zone

	System Configuration
Keyboard layout	
Choose your keyboard layout: Sinbala (phonetic) Slovak Slovenian Gponish Spanish (Latin American) Swahili (Tomzaria)	Scotth Seatch - Address Scale, with betters det H and betters det Scale - Callain (Scale, with molfielder U) Scale - spanial Morada) Scale - spanial Moradal Scale - Spanial (Morada) Scale - Spanial (Morada)
Type here to test your keyboard Detect Keyboard Layout	Back Continue



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

		System Configuration		
Who are you	1?			
	Your name:	nano		
	Your computer's name:	jetson-nano] 🖌	
	Pick a username:	The name it uses when it sale		
	Choose a password:		Weak password	
	Confirm your password:] 🗸	
		 Log in automatically Require my password 	I to log in	
				Back Con
			-	



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





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5 Final system configuration





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Desktop





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Updating the system

Terminal #1

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



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