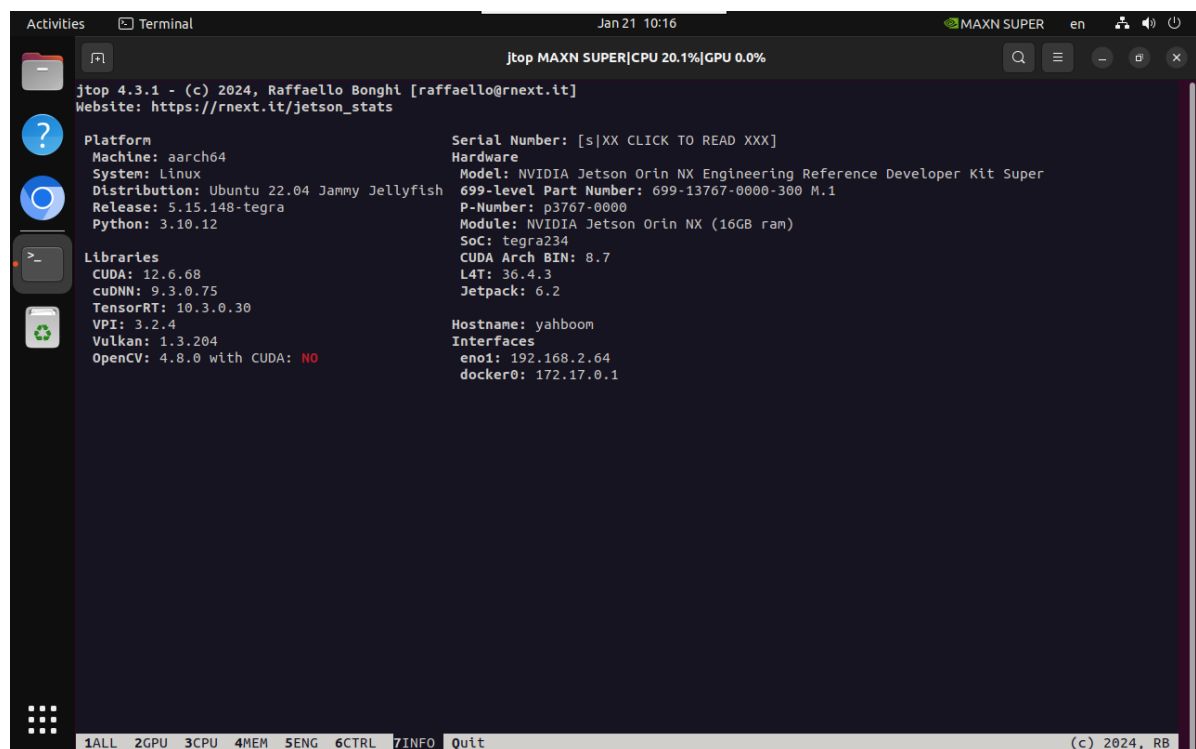


DeepStream

DeepStream

1. System information
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1. System information



The screenshot shows a terminal window titled "jtop MAXN SUPER [CPU 20.1%|GPU 0.0%]" with a search bar and window controls. The terminal displays the following information:

```
jtop 4.3.1 - (c) 2024, Raffaello Bonghi [raffaello@rnext.it]
Website: https://rnext.it/jetson_stats

Platform
Machine: aarch64
System: Linux
Distribution: Ubuntu 22.04 Jammy Jellyfish
Release: 5.15.148-tegra
Python: 3.10.12

Serial Number: [s]XX CLICK TO READ XXX

Hardware
Model: NVIDIA Jetson Orin NX Engineering Reference Developer Kit Super
699-Level Part Number: 699-13767-0000-300 M.1
P-Number: p3767-0000
Module: NVIDIA Jetson Orin NX (16GB ram)
SoC: tegra234
CUDA Arch BIN: 8.7
L4T: 36.4.3
Jetpack: 6.2

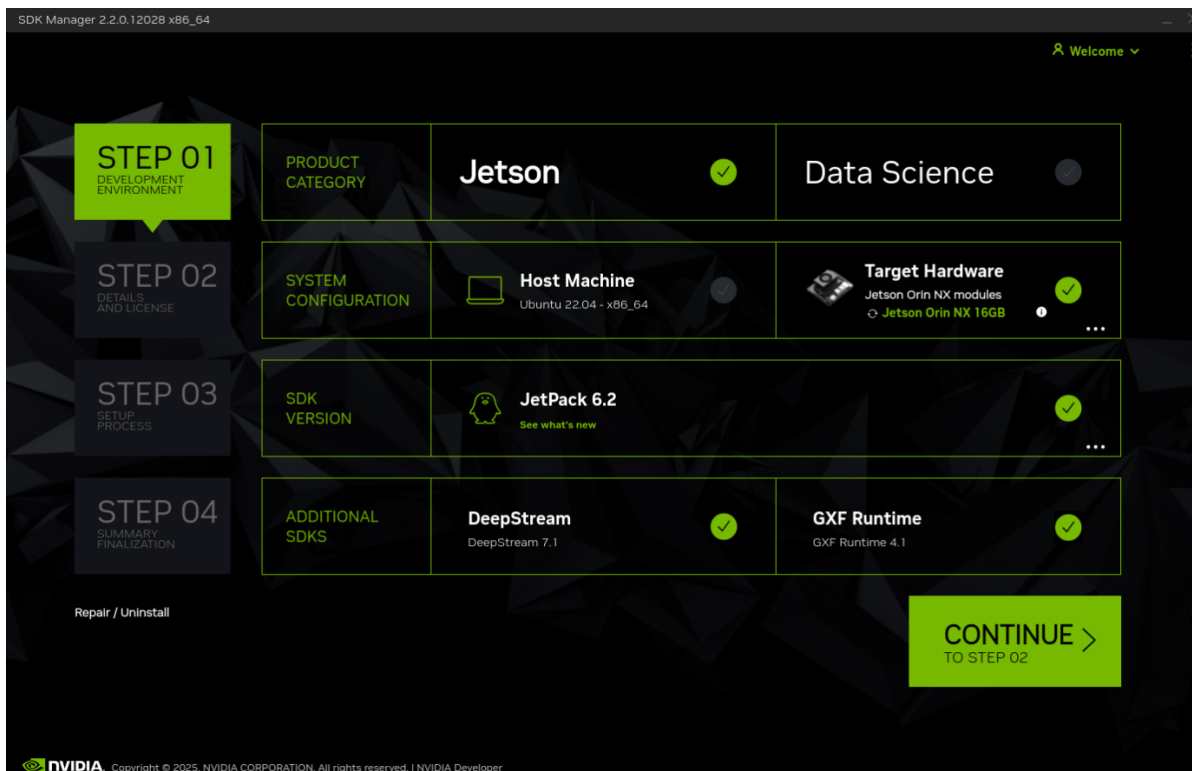
Libraries
CUDA: 12.6.68
cuDNN: 9.3.0.75
TensorRT: 10.3.0.30
VPI: 3.2.4
Vulkan: 1.3.204
OpenCV: 4.8.0 with CUDA: NO

Hostname: yahboom
Interfaces
eno1: 192.168.2.64
docker0: 172.17.0.1
```

At the bottom of the terminal, there is a navigation bar with buttons: 1ALL, 2GPU, 3CPU, 4MEM, 5ENG, 6CTRL, 7INFO (selected), and Quit. The bottom right corner shows the copyright notice "(c) 2024, RB".

2. Install DeepStream

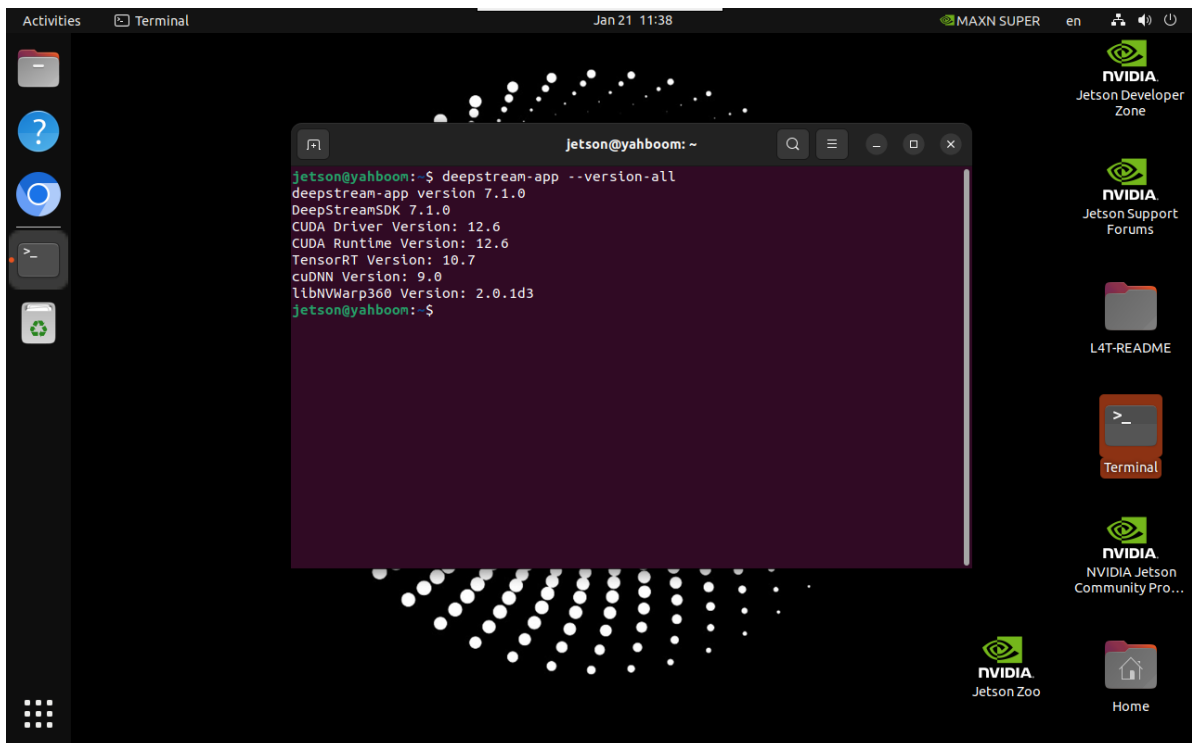
Refer to the tutorial in [Chapter 2 Motherboard Basics: 03. Install Jetson Component Environment]: Check the DeepStream 7.1 option



3. Verify the installation

```
sudo apt install libgsttspserver-1.0-0
```

```
deepstream-app --version-all
```



Run the example

```
cd /opt/nvidia/deepstream/deepstream-7.1/samples/configs/deepstream-app
```

```
deepstream-app -c source30_1080p_dec_infer-resnet_tiled_display_int8.txt
```

Note: It takes a long time to run this case. If it does not terminate automatically, wait for the program to run!

When the motherboard runs a program with a large load, the prompt "System throttled due to Over-current." will appear. This is a normal phenomenon!

If it restarts during operation, please use a power supply with a power greater than 45w.

