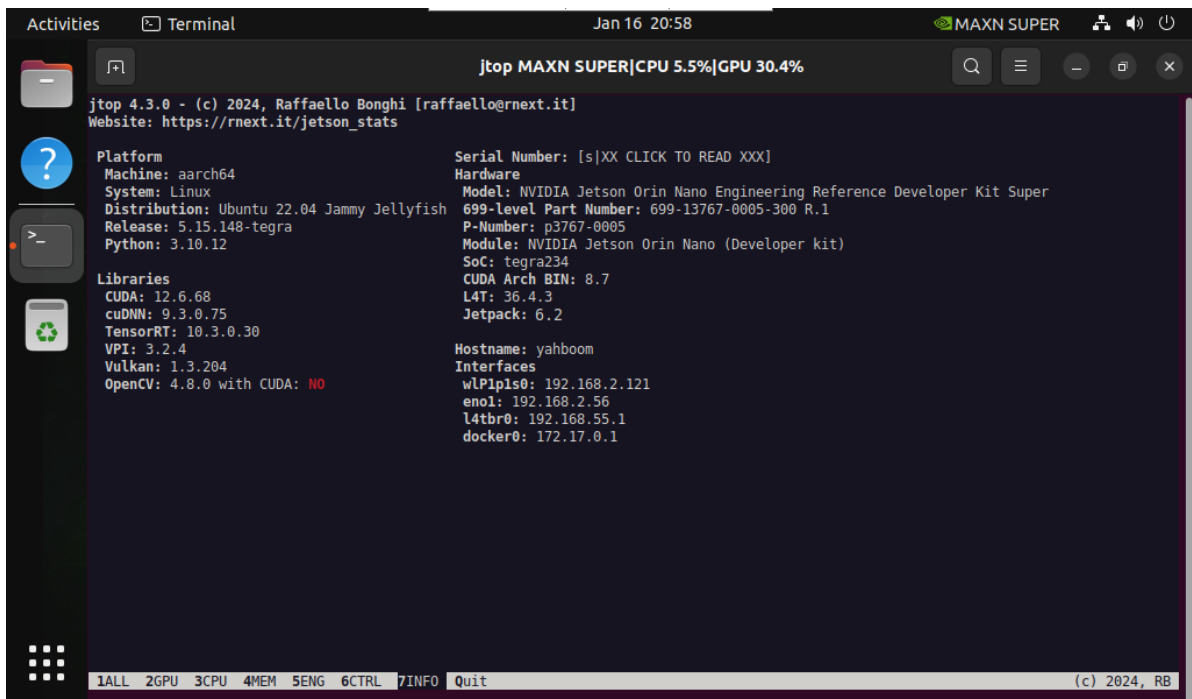


Torchvision

Torchvision

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1. System information



```
jtop MAXN SUPER|CPU 5.5%|GPU 30.4%
jtop 4.3.0 - (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

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

Serial Number: [s]XX CLICK TO READ XXX]
Hardware
Model: NVIDIA Jetson Orin Nano Engineering Reference Developer Kit Super
699-level Part Number: 699-13767-0005-300 R.1
P-Number: p3767-0005
Module: NVIDIA Jetson Orin Nano (Developer kit)
SoC: tegra234
CUDA Arch BIN: 8.7
L4T: 36.4.3
Jetpack: 6.2

Hostname: yahboom
Interfaces
wlp1p1s0: 192.168.2.121
eno1: 192.168.2.56
l4tbr0: 192.168.55.1
docker0: 172.17.0.1

1ALL 2GPU 3CPU 4MEM 5ENG 6CTRL 7INFO Quit (c) 2024, RB
```

2. Install dependencies

```
sudo apt update
```

```
sudo apt install ninja-build libwebp-dev libjpeg-dev -y
```

3. Install Torchvision

According to the correspondence between PyTorch and Torchvision versions, we need to install v0.20 version of Torchvision

torch	torchvision	Python
main / nightly	main / nightly	>=3.9, <=3.12
2.5	0.20	>=3.9, <=3.12

3.1. Offline installation

Manually go to the download website to download the latest Torchvision version.

Download URL: https://github.com/ultralytics/assets/releases/download/v0.0.0/torchvision-0.20.0a0+afc54f7-cp310-cp310-linux_aarch64.whl

```
cd Downloads/
```

```
sudo pip3 install torchvision-0.20.0a0+afc54f7-cp310-cp310-linux_aarch64.whl
```

3.2, Online Installation

```
sudo pip3 install
https://github.com/ultralytics/assets/releases/download/v0.0.0/torchvision-
0.20.0a0+afc54f7-cp310-cp310-linux_aarch64.whl
```

3.3. Source code compilation

Manually download version v0.20:

```
https://github.com/pytorch/vision/tree/v0.20.0
```

Enter the unzipped folder downloaded from github and compile the source code:

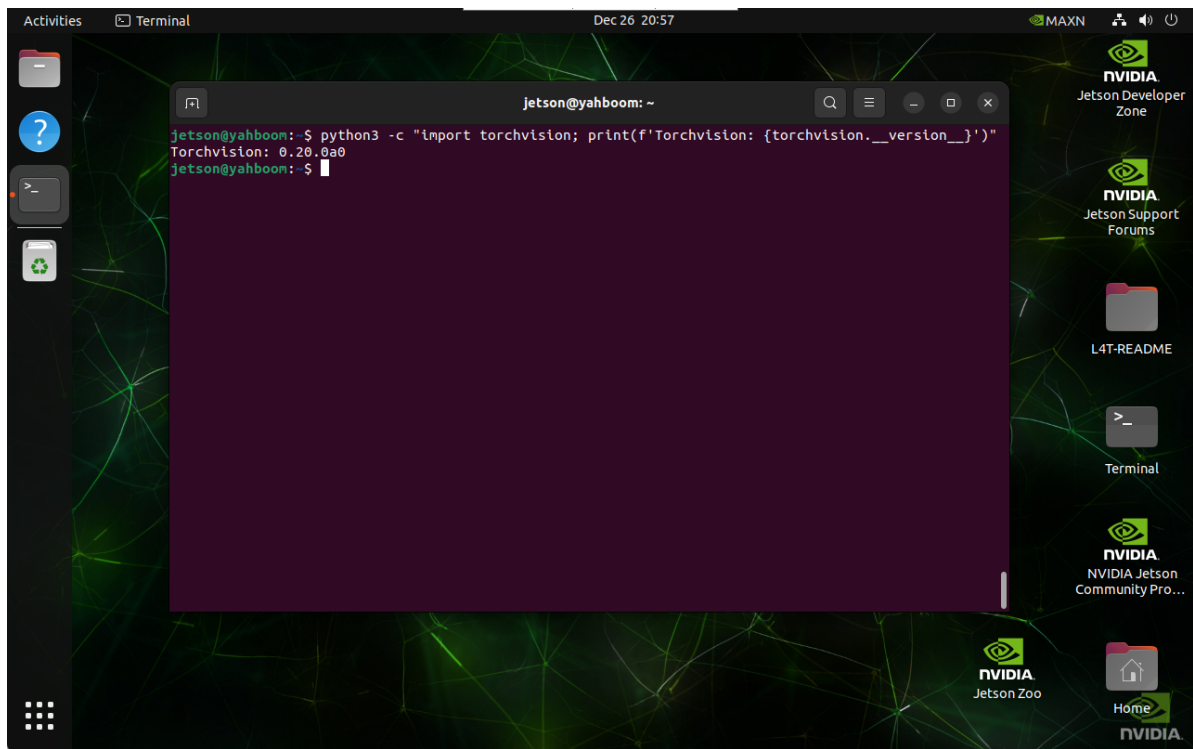
```
cd vision-0.20.0
```

```
sudo python3 setup.py install
```

4. Verify installation

```
python3 -c "import torchvision; print(f'Torchvision:
{torchvision.__version__}')"

```



References

<https://github.com/pytorch/vision>

<https://docs.ultralytics.com/guides/nvidia-jetson/>