Swap space expansion

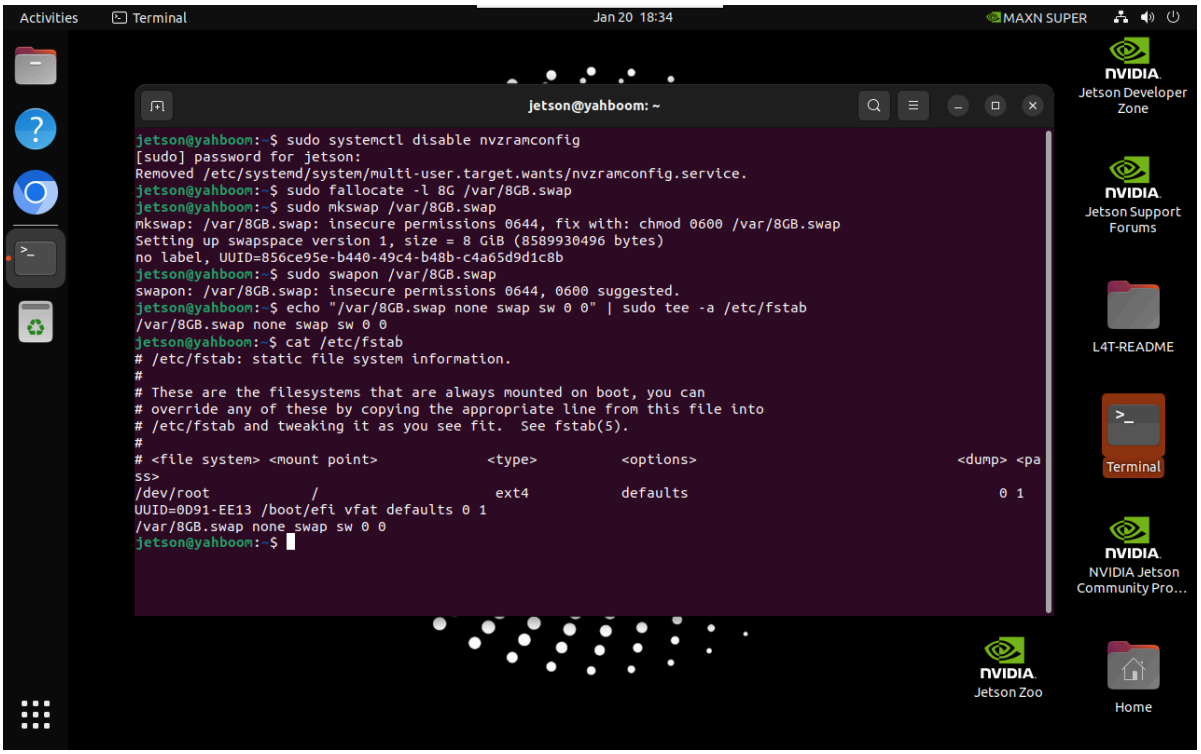
1. Swap space

Swap space is a mechanism used by the operating system to expand available memory. It can continue to run when there is insufficient memory, avoiding program crashes or system freezes!

Note: The access speed of swap space is much lower than that of physical memory. The system comes with 7.6G swap space when it leaves the factory.

2. Swap space expansion

```
sudo systemctl disable nvzramconfig
sudo fallocate -l 8G /var/8GB.swap
sudo mkswap /var/8GB.swap
sudo swapon /var/8GB.swap
echo "/var/8GB.swap none swap sw 0 0" | sudo tee -a /etc/fstab
```



2.1. Disable ZRAM swap configuration

Disable ZRAM swap configuration on Jetson devices: ZRAM compresses and stores memory pages in memory to reduce reliance on disk.

```
sudo systemctl disable nvzramconfig
```

2.2, Create 8GB file

Use `fallocate` to create a file of 8GB in size, located in the `/var/8GB.swap` path.

```
sudo fallocate -l 8G /var/8GB.swap
```

2.3. Set the swap space format

```
sudo mkswap /var/8GB.swap
```

2.4. Enable swap space

```
sudo swapon /var/8GB.swap
```

2.5. Permanently start swap space

```
echo "/var/8GB.swap none swap sw 0 0" | sudo tee -a /etc/fstab
```

3. Verify the expansion

After restarting the system, the system swap space increased to 15.6GB: