

Increase swap space

Enter the following commands **in** sequence to increase the swap space by 3G and solve some program errors that run out of memory.

```
sudo fallocate -l 3G /var/swapfile
```

```
sudo chmod 600 /var/swapfile
```

```
sudo mkswap /var/swapfile
```

```
sudo swapon /var/swapfile
```

```
sudo bash -c 'echo "/var/swapfile swap swap defaults 0 0" >> /etc/fstab'
```

- Add custom swapfile file size

```
sudo fallocate -l 3G /var/swapfile
```

- 2. Configure file permissions

```
sudo chmod 600 /var/swapfile
```

- 3. Create a swap partition

```
sudo mkswap /var/swapfile
```

- 4. Enable swap partition

```
sudo swapon /var/swapfile
```

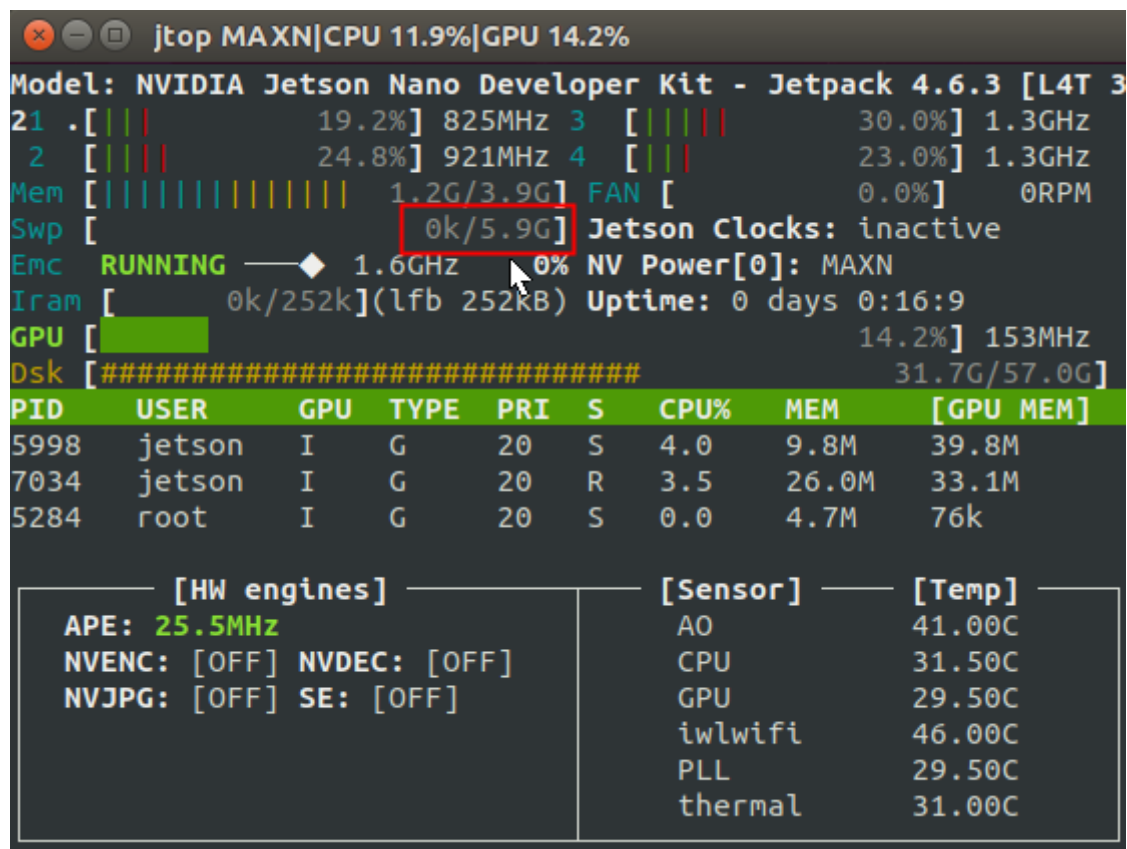
```
jetson@jetson-desktop:~$ sudo fallocate -l 3G /var/swapfile
jetson@jetson-desktop:~$ ls /var/swapfile -h
/var/swapfile
jetson@jetson-desktop:~$ ls /var/swapfile -lh
-rw-r--r-- 1 root root 3.0G 3月  6 14:10 /var/swapfile
jetson@jetson-desktop:~$ sudo chmod 600 /var/swapfile
jetson@jetson-desktop:~$ sudo mkswap /var/swapfile
Setting up swapspace version 1, size = 3 GiB (3221221376 bytes)
no label, UUID=52021c05-81ba-4bcd-af99-712a170780f6
jetson@jetson-desktop:~$ sudo swapon /var/swapfile
jetson@jetson-desktop:~$ sudo bash -c 'echo "/var/swapfile swap swap defaults 0 0" >> /etc/fstab'
```

- Set to automatically enable swapfile

```
sudo bash -c 'echo "/var/swapfile swap swap defaults 0 0" >> /etc/fstab'
```

To see the effect, open the terminal and input

```
jtop
```



Swap becomes 6g.