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 -1 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" >
```

• 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

```
jtop MAXN|CPU 11.9%|GPU 14.2%
Model: NVIDIA Jetson Nano Developer Kit - Jetpack 4.6.3 [L4T 3
              19.2%] 825MHz 3 [||||| 30.0%] 1.3GHz
24.8%] 921MHz 4 [||| 23.0%] 1.3GHz
21 .[||
              19.2%] 825/m2 2 23.0%] 24.8%] 921MHz 4 [|| 23.0%] 0.0%]
2 [|||
Mem [|||||||||||||| 1.2G/3.9G] FAN [
                                               0RPM
                  0k/5.9G] Jetson Clocks: inactive
Emc RUNNING — ♦ 1.6GHz \ 0% NV Power[0]: MAXN
14.2%] 153MHz
31.7G/57.0G
PID
                               CPU%
     USER
            GPU TYPE PRI S
                                     MEM
                                            [GPU MEM]
5998
     jetson
            I
                 G
                       20
                               4.0
                                     9.8M
                                            39.8M
7034
     jetson I
                G
                       20
                           R
                              3.5
                                     26.0M
                                           33.1M
            I
                                           76k
5284
                G
                       20
                               0.0
                                    4.7M
    root
     — [HW engines] ——
                              - [Sensor] —— [Temp] ·
  APE: 25.5MHz
                                           41.00C
                                A0
                                CPU
  NVENC: [OFF] NVDEC: [OFF]
                                           31.50C
                                GPU
  NVJPG: [OFF] SE: [OFF]
                                           29.50C
                                iwlwifi
                                           46.00C
                                           29.50C
                                PLL
                                thermal
                                           31.00C
```

Swap becomes 6g.