

vps????swap????????

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vps?Swap????????????Swap????????????

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- Ubuntu 24.04
- 4GB??/80GB????????

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1. ?????????
2. Swap????
3. ???Swap????
4. Swap????????
5. fstab????
6. fstab????????Swap????

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????????

- ?????

```
free -h
```

-h????(human readable)????

- ???

| | total | used | free | shared | buff/cache | available |
|-------|-------|-------|-------|--------|------------|-----------|
| Mem: | 3.8Gi | 450Mi | 2.9Gi | 2.5Mi | 688Mi | 3.4Gi |
| Swap: | 0B | 0B | 0B | | | |

Swap????

????????

- ???

```
df -h
```

-

| Filesystem | Size | Used | Avail | Use% | Mounted on |
|------------|------|------|-------|------|----------------|
| /dev/root | 78G | 5.0G | 73G | 7% | / |
| tmpfs | 2.0G | 0 | 2.0G | 0% | /dev/shm |
| tmpfs | 784M | 980K | 783M | 1% | /run |
| tmpfs | 5.0M | 0 | 5.0M | 0% | /run/lock |
| /dev/vda15 | 105M | 6.1M | 99M | 6% | /boot/efi |
| tmpfs | 392M | 12K | 392M | 1% | /run/user/1001 |

4GB

Swap

- Swap

```
sudo fallocate -l 4G /swap
```

-

```
ls -ldh /swap
```

4GB

Swap

- /swap

```
sudo chmod 600 /swap
```

-

```
ls -ldh /swap
```

root\

/swap

- Swap

```
sudo mkswap /swap
```

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```
df -h 1 GiB = 4 GiB (4294963200 bytes)
df -h, UUID=08cf06da-757e-4ab4-b049-e7da8ee73341
```

??/swap???

```
sudo swapon /swap
```

Swap????

- ?????

```
free -h
```

- ????

| | total | used | free | shared | buff/cache | available |
|-------|-------|-------|-------|--------|------------|-----------|
| Mem: | 3.8Gi | 446Mi | 2.9Gi | 2.5Mi | 689Mi | 3.4Gi |
| Swap: | 4.0Gi | 0B | 4.0Gi | | | |

4GB?Swap??????????

fstab??

- /etc/fstab??????

```
sudo cp -pi /etc/fstab /path/to/backup/directory/fstab.$(date +%Y%m%d)
```

- ?????????

```
diff -u /path/to/backup/directory/fstab.$(date +%Y%m%d) /etc/fstab
```

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- /etc/fstab??

```
cat <<- __EOF__ | sudo tee -a /etc/fstab
/swap none swap sw 0 0
__EOF__
```

- ???

```
diff -u /path/to/backup/directory/fstab.$(date +%Y%m%d) /etc/fstab
```

- ??

+/swap none swap sw 0 0

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- ??????

sudo reboot

- ??????

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1. ?????????
2. Web????????????????????
3. free -h ???Swap????????