

# 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????

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- ???

```
df -h
```

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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
```

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```
ls -ldh /swap
```

4GB

## Swap

- /swap

```
sudo chmod 600 /swap
```

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```
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
```

df -h /swap

```
sudo swapon /swap
```

## df -h

- df -h

```
free -h
```

- 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			

df -h /swap

## df -h

- df -h

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

- df -h

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

df -h

- df -h

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

- df -h

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

- df

+/swap none swap sw 0 0

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- ?????

sudo reboot

- ?????

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