Check Swap Information

Command to check swap size.

```
swapon --show
```

Output:

```
NAME      TYPE      SIZE USED PRIO  /dev/vda2 partition 512M   0B   -2
```

Or you can check using free command.

```
free -m
```

Output:

```
              total        used        free      shared  buff/cache   available  Mem:            981         130         326           0         524         707  Swap:           511           0         511
```

NOTE: If the output is empty, it means that swap space is not enabled yet on your system.

Add Swap to your VPS

Command to create a Swap file.

NOTE: We are adding 1GB if you want to add different size then you can replace it in place of 1G

```
fallocate -l 1G /swapfile
```

or

```
dd if=/dev/zero of=/swapfile bs=1024 count=1048576
```

Set write permission.[Default permissions only enable for root user]

```
chmod 600 /swapfile
```

Set up a swap area on the file.

```
mkswap /swapfile
```

Output:

```
Setting up swapspace version 1, size = 1024 MiB (1073737728 bytes)  no label,
UUID=3f6fee94-ed65-4187-8c67-05afcd0c8ef1
```

Activate the swap file.

```
swapon /swapfile
```

Open the following file and add the given content to change it to permanent.

```
nano /etc/fstab
```

Add the following line.

```
/swapfile swap swap defaults 0 0
```

Now check the swap size.

```
swapon --show
```

or

```
free -m
```

Output:

```
root@vps:~# swapon --show  NAME      TYPE       SIZE USED PRIO  /dev/vda2 partition
512M   1M   -2  /swapfile file      1024M   0B   -3  root@vps:~# free -m               total        used
  free      shared  buff/cache   available  Mem:           981         126          65           0         789
   706  Swap:          1535           1        1534
```

NOTE: Now the added swap space can be seen.

Remove Swap File

Deactivate the swap space.

```
swapoff -v /swapfile
```

Output:

```
root@vps:~# swapoff -v /swapfile  swapoff /swapfile
```

Next, remove the following line from the file **/etc/fstab**

```
/swapfile swap swap defaults 0 0
```

Command to remove the file.

```
rm /swapfile
```

This concludes our topic of configuring swap in ubuntu.