

## Enable TUN/TAP Module in OpenVZ

Written by BiRU

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OpenVZ supports VPN inside a container via kernel TUN/TAP module and device. To allow VPS #101 to use the TUN/TAP device the following should be done: #101 – VPS id. Replace #101 with your VPS id.

Make sure the tun module has already loaded on the Node.

```
[root@Node ~]#  
lsmod | grep tun
```

If not listed, then load the tun module with the below command

```
[root@Node  
~]#  
modprobe tun  
[root@Node ~]#  
lsmod | grep tun  
tun 82432 0  
[root@Node ~]#  
101 --devnodes net/tun:rw --save  
[root@Node ~]#  
vzctl set 101 --devices c:10:200:rw --save  
[root@Node ~]#  
vzctl stop 101  
[root@Node ~]#  
vzctl set 101 --capability net_admin:on --save  
[root@Node ~]#  
vzctl start 101  
[root@Node ~]#  
vzctl exec 101 mkdir -p /dev/net  
[root@Node ~]#  
vzctl exec 101 chmod 600 /dev/net/tun
```

To check TUN/TAP is enabled or not :

```
[root@Node  
~]#  
vzctl enter 101
```

Inside the VPS:

```
[root@vps ~]#  
cat /dev/net/tun
```

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**cat: /dev/net/tun: File descriptor in bad state #**

It means the TUN/TAP is enabled on your VPS.

**cat: /dev/net/tun: No such device**

**#**

If you receive like this, then the TUN/TAP has not enabled on your VPS . Try to enable TUN/TAP