

# Establish VPN connection on linux (command line)

Article Number: 2719 | Rating: 3.2/5 from 5 votes | Last Updated: Thu, Sep 20, 2012 9:03 AM

To establish a VPN connection on linux through command line you first need to install pptp-linux.

You can do this as follows:

```
apt-get install pptp-linux
```

After pptp-linux is installed on the system you can add the user credentials of the vpn connection in the file `/etc/ppp/chap-secrets`

```
vim /etc/ppp/chap-secrets
```

This file should look as follows:

```
# Secrets for authentication using CHAP
# client server secret IP addresses
username PPTP password *
```

\* Replace "username PPTP password" with your own credentials. You can enter more credentials.

Then create a new file in the folder `/etc/ppp/peers/`

```
vim /etc/ppp/peers/vpn10-user
```

This file should look as follows:

pty "pptp vpn10.hostbasket.com --nolaunchpppd"

name <loginname>

remotename PPTP

require-mppe-128

file /etc/ppp/options.pptp

ipparam <name\_of\_script\_under\_etc\_ppp\_peers\_...>

Once the file is created, you can start the VPN connection

```
pon vpn10-user
```

If you now execute the command 'ip a', you will notice that the VPN connection is active

```
root@User-Ubuntu12:~# ip a
```

```
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue state UNKNOWN
link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
inet6 ::1/128 scope host
valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP qlen 1000
link/ether 00:15:c5:bc:ba:31 brd ff:ff:ff:ff:ff:ff
inet 192.168.15.98/24 brd 192.168.15.255 scope global eth0
inet6 fe80::215:c5ff:febc:ba31/64 scope link
```

```
valid_lft forever preferred_lft forever
3: wlan0: <BROADCAST,MULTICAST> mtu 1500 qdisc mq state DOWN qlen 1000
link/ether 00:18:de:a4:c5:b3 brd ff:ff:ff:ff:ff:ff
9: ppp0: <POINTOPOINT,MULTICAST,NOARP,UP,LOWER_UP> mtu 1496 qdisc pfifo_fast state
UNKNOWN qlen 3
link/ppp
inet 172.31.3.167 peer 172.31.1.1/32 scope global ppp0
```

If you would like to stop the VPN connection, you can execute the following command

```
poff vpn10-user
```

Posted : Nick Corne - Thu, Sep 6, 2012 10:02 AM. This article has been viewed 14367 times.

Online URL: <https://onlinehelp.cloud.telenet.be/article.php?id=2719>