Subject: Vps with VPN
Posted by silence on Thu, 14 Nov 2013 15:40:22 GMT

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Hi,

 i've installed a VPS and i'm using it with tun/tap and ppp. So i connect to it (like a VPN), but after that i don't have Internet at all. Só i've my connection limited.

 What can be?

 Thanks.

Subject: Re: Vps with VPN
Posted by grep on Fri, 15 Nov 2013 22:12:18 GMT

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You need to setup iptables rule to forward pakets.

try
iptables -t nat -A POSTROUTING -j MASQUERADE

Subject: Re: Vps with VPN
Posted by silence on Mon, 18 Nov 2013 12:57:11 GMT

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i've tried that, without success:

 [root@vpn /]# iptables -t nat -A POSTROUTING -j MASQUERADE
iptables: No chain/target/match by that name.

 :\

Subject: Re: Vps with VPN
Posted by grep on Mon, 18 Nov 2013 18:58:32 GMT

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You must load the ipt_MASQUERADE + iptable_nat module on node. and if it still not work then include iptable_nat in your vz.conf (/etc/vz/vz.conf) + ve (/etc/vz/num.conf) config.

To load module execute on node:
modprobe ipt_MASQUERADE
modprobe iptable_nat

Then check on vps:
iptables -t nat -LPlease report back if nat chain now exist or not.

Subject: Re: Vps with VPN
Posted by silence on Tue, 19 Nov 2013 12:31:01 GMT
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still no internet :\

```
[root@vpn /]# iptables -t nat -A POSTROUTING -j MASQUERADE
[root@vpn /]# iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target    prot opt source          destination
DNAT      all  --  anywhere        anywhere          to:IP

Chain POSTROUTING (policy ACCEPT)
target    prot opt source          destination
SNAT      all  --  anywhere        anywhere          to:IP.40
SNAT      all  --  IP/24           anywhere          to:IP.40
SNAT      all  --  10.8.0.0/24     anywhere          to:127.0.0.1
SNAT      all  --  IP.0/24         anywhere          to:127.0.0.1
SNAT      all  --  anywhere        anywhere          to:IP of VPN
SNAT      all  --  anywhere        anywhere          to:123.123.123.123
SNAT      all  --  anywhere        anywhere          to:IP.40
SNAT      all  --  10.8.0.0/24     anywhere          to:123.123.123.12
SNAT      all  --  10.8.0.0/24     anywhere          to:IP.40
SNAT      all  --  10.8.0.0/24     anywhere          to:IP.40
SNAT      all  --  anywhere        anywhere          to:IP.40
MASQUERADE  all  --  anywhere          anywhere

Chain OUTPUT (policy ACCEPT)
target    prot opt source          destination
```

i've restarted container

Subject: Re: Vps with VPN
Posted by grep on Tue, 19 Nov 2013 13:13:07 GMT
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I didnt tryed the rules, but there are many examples on the internet how you could do it.

First you need to flush the rules, iptables -t nat --flush.

Then try:
iptables -t nat -A POSTROUTING -o venet0 -s OPENVPNIP/24 (example: 10.1.1.0/24) -j
MASQUERADE

Also you can try without masquerade. masquerade isnt full supported at openvz:
iptables -t nat -A POSTROUTING -o venet0 -j SNAT -to $YOUR_SERVER_IP

www.google.com/search?q=openvpn+masquerade

Subject: Re: Vps with VPN
Posted by silence on Tue, 19 Nov 2013 13:24:49 GMT
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still not going....this is really weird!

Subject: Re: Vps with VPN
Posted by silence on Tue, 19 Nov 2013 13:45:50 GMT
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Chain PREROUTING (policy ACCEPT)
target   prot opt source   destination

Chain POSTROUTING (policy ACCEPT)
target   prot opt source   destination
MASQUERADE all -- IP.0/24   anywhere

Chain OUTPUT (policy ACCEPT)
target   prot opt source   destination

Subject: Re: Vps with VPN
Posted by grep on Tue, 19 Nov 2013 22:05:02 GMT
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Hello,

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
MASQUERADE all -- [b]IP.0/24[/b] anywhere
Is not correct.

You need to input your openvpn IP-Pool. As sayed, example: 10.1.1.0/24

And you have so much different iptables-rules:

Chain POSTROUTING (policy ACCEPT)
target prot opt source destination
SNAT all -- anywhere anywhere to:IP.40
SNAT all -- IP/24 anywhere to:IP.40
SNAT all -- 10.8.0.0/24 anywhere to:127.0.0.1
SNAT all -- IP.0/24 anywhere to:127.0.0.1
SNAT all -- anywhere anywhere to:IP of VPN
SNAT all -- anywhere anywhere to:123.123.123.123
SNAT all -- anywhere anywhere to:IP.40
SNAT all -- 10.8.0.0/24 anywhere to:123.123.123.12
SNAT all -- 10.8.0.0/24 anywhere to:IP.40
SNAT all -- 10.8.0.0/24 anywhere to:IP.40
SNAT all -- anywhere anywhere to:IP.40
MASQUERADE all -- anywhere anywhereflush it first.
iptables -t nat --flush; iptables --flush

Please connect to your openvpn server, check which IP address you get from the server (10.x.x.x) and then add the correct rule.

If you get 10.8.0.1 then your rule would be:
iptables -t nat -A POSTROUTING -o venet0 -s 10.8.0.0/24 -j MASQUERADEWith /24 you add 10.8.0.0-255 to iptables. So dont add only the private ip which you get, add the whole subnet.

I found different rules over google. Its long time ago when i setted up openvpn so i dont remember the correct rule which worked for me. But one of this 3 *must* work for you:
iptables -t nat -A POSTROUTING -o venet0 -s 10.8.0.0/24 (REPLACE WITH YOUR OPENVPN SUBNET) -j MASQUERADE
iptables -t nat -A POSTROUTING -o venet0 -j SNAT -to $YOUR_SERVER_IP
(YOUR_SERVER_IP is as example 212.1.1.43. dont use your openvpn private ip here. its the server public ip)
iptables -t nat -A POSTROUTING -s 10.8.0.0/24 (REPLACE WITH YOUR OPENVPN SUBNET) -j SNAT --to-source $YOUR_SERVER_IP (YOUR_SERVER_IP is as example 212.1.1.43. dont use your openvpn private ip here. its the server public ip)
If none of these works, then i only can recommend you to google "openvpn openvz iptables". There are many threads about this on the web and there are a lot of different iptables rules out there. But the 3 rules which i have listed should work for you.

If this too not work on your server then i could offer you to send me your openvpn connect files, your openvz ssh login and i fix it. But please try first these rules.

And when you add a new rule and it dont work, then flush the iptables before you try the next rule (again: iptables -t nat --flush; iptables --flush!!

Subject: Re: Vps with VPN

Posted by silence on Wed, 20 Nov 2013 10:11:45 GMT

Hi grep,

 Thanks for all your answers.

 I'm not using openvpn, i'm using another computer with a vpn connection, so i add the IP to the VPS where i've the vpn:

 [root@vpn network-scripts]# iptables -t nat -L
Chain PREROUTING (policy ACCEPT)
target   prot opt source   destination

Chain POSTROUTING (policy ACCEPT)
target   prot opt source   destination
MASQUERADE all -- IP.rev.vodafone.pt/24 anywhere

Chain OUTPUT (policy ACCEPT)
target   prot opt source   destination

 It's not this?

 Thanks.

Subject: Re: Vps with VPN
Posted by grep on Wed, 20 Nov 2013 12:43:18 GMT

Hello,

dont add your internet IP to the rules. I was thinking you use openvpn.

Please make:
iptables -t nat -A POSTROUTING -j SNAT --to-source SERVERIP

Serverip is the IP of your server, not of your internet. Insert the IP of your openvz container.

Subject: Re: Vps with VPN
Posted by silence on Wed, 20 Nov 2013 12:48:13 GMT

grep wrote on Wed, 20 November 2013 12:43Hello,

dont add your internet IP to the rules. I was thinking you use openvpn.

Please make:
iptables -t nat -A POSTROUTING -j SNAT --to-source SERVERIP

Serverip is the IP of your server, not of your internet. Insert the IP of your openvz container.

Chain PREROUTING (policy ACCEPT)
target   prot opt source   destination

Chain POSTROUTING (policy ACCEPT)
target   prot opt source   destination
SNAT   all -- anywhere   anywhere   to:IP_of_VPN

Chain OUTPUT (policy ACCEPT)
target   prot opt source   destination

still not going

Subject: Re: Vps with VPN
Posted by grep on Wed, 20 Nov 2013 13:16:11 GMT
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What is the value of vpn_ip?
Mask the last numbers if you dont want to make pub.

Also check your firewall rules (iptables --list)

Subject: Re: Vps with VPN
Posted by silence on Wed, 20 Nov 2013 13:19:14 GMT
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hi,

 IP is 94.46.*.* (IP of container)

 iptables --list
Chain INPUT (policy ACCEPT)
target   prot opt source   destination

Chain FORWARD (policy ACCEPT)
target   prot opt source   destination

Chain OUTPUT (policy ACCEPT)

target   prot opt source   destination

Subject: Re: Vps with VPN
Posted by grep on Wed, 20 Nov 2013 13:27:19 GMT
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Maybe just domain resolving dont work?
Can you ping 8.8.8.8 with vpn connection?

Subject: Re: Vps with VPN
Posted by silence on Wed, 20 Nov 2013 13:30:50 GMT
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In container:

 ping 8.8.8.8
PING 8.8.8.8 (8.8.8. 56(84) bytes of data.
64 bytes from 8.8.8.8: icmp_seq=1 ttl=49 time=35.6 ms
64 bytes from 8.8.8.8: icmp_seq=2 ttl=49 time=35.5 ms
64 bytes from 8.8.8.8: icmp_seq=3 ttl=49 time=35.6 ms
64 bytes from 8.8.8.8: icmp_seq=4 ttl=49 time=36.0 ms
64 bytes from 8.8.8.8: icmp_seq=5 ttl=49 time=35.6 ms

 In computer with VPN connection:

 request timed out
 request timed out