Subject: Routing in VPS?
Posted by illc0mm on Wed, 18 Jan 2006 18:13:18 GMT
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Here's my scenario I have a OpenVZ box with two interfaces:

eth0: public internet 1.1.1.1
eth1: private intranet 10.1.1.1

I want to assign two IPs on my VPS like:

vps101: 1.1.1.2 (public) 10.1.1.2 (private)

However, when I try to connect to another server on the private network (10.1.1.3 for instance) it appears as though the connection is coming from 1.1.1.2 instead of the private address. Is there something I can do so that this is routed as the 10.1.1.2 IP instead of the 1.1.1.2 IP?

I know that 1.1.1.2 is the first assigned IP, however these need to appear properly when routed. HELP!

-illc0mm

Subject: Re: Routing in VPS?
Posted by vaverin on Thu, 19 Jan 2006 11:02:16 GMT
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Do you want to change source IP if the destination address is in your private subnetwork? you should tune source NAT inside your VPS:

iptables -t nat -A POSTROUTING -d 10.1.1.0/24 -j SNAT --to-source 10.1.1.2

where
10.1.1.0/24 -- your private subnetwork
10.1.1.2 -- VPS private address

Subject: Re: Routing in VPS?
Posted by illc0mm on Thu, 19 Jan 2006 12:45:16 GMT
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Ah, so that's the best way? I just wanted to make sure I wasn't doing something wrong. I was using Xen before and with that you would create another virtual interface, just wanted to make sure I wasn't missing something.

Thanks!

-illc0mm

Subject: Re: Routing in VPS?
Posted by dev on Thu, 19 Jan 2006 19:57:30 GMT
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To tell the truth, I personally would recommend to use IP rules.
It is much better/faster/easier than using NAT.

I personally do the following for adding second IP address on my host.

```
#!/bin/bash

IP=217.67.117.132
GW=217.67.117.129
MASK=27

ip addr add $IP/$MASK dev eth0
ip rule add from $IP table 6
ip route add default dev eth0 via $GW table 6
```

Hope, it works for you