Subject: Using real eth device in VE
Posted by enpx on Sat, 07 Oct 2006 13:04:21 GMT
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Hi,

I need to use this eth device in VE:

```
[root@m0 ~]# ip a show dev eth2
10: eth2: <BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast qlen 1000
    link/ether 00:13:46:e7:d2:1d brd ff:ff:ff:ff:ff:ff
    inet6 fe80::213:46ff:fee7:d21d/64 scope link
       valid_lft forever preferred_lft forever
```

First of all I check it:

```
[root@m0 ~]# ip addr add 192.168.15.111/24 dev eth2
[root@m0 ~]# ip route add 192.168.15.11 dev eth2
[root@m0 ~]# ping -c 1 192.168.15.11
PING 192.168.15.11 (192.168.15.11) 56(84) bytes of data.
64 bytes from 192.168.15.11: icmp_seq=1 ttl=64 time=2.88 ms

--- 192.168.15.11 ping statistics ---
1 packets transmitted, 1 received, 0% packet loss, time 0ms
rtt min/avg/max/mdev = 2.889/2.889/2.889/0.000 ms
```

Next I remove all configuration info from it:

```
[root@m0 ~]# ip route del 192.168.15.11 dev eth2
[root@m0 ~]# ip addr del 192.168.15.111/24 dev eth2
```

Create veth device:

```
# vzctl set 101 --veth_add
veth0,00:13:46:e7:d2:1d,eth0,00:12:34:56:78:9A --save
Processing veth devices
Saved parameters for VE 101
```

Configure veth and local eth devices:

```
[root@m0 ~]# ifconfig eth2 0
[root@m0 ~]# ifconfig veth0 0
[root@m0 ~]# echo 1 > /proc/sys/net/ipv4/conf/eth2/proxy_arp
[root@m0 ~]# echo 1 > /proc/sys/net/ipv4/conf/veth0/proxy_arp
[root@m0 ~]# echo 1 > /proc/sys/net/ipv4/conf/eth2/forwarding
[root@m0 ~]# echo 1 > /proc/sys/net/ipv4/conf/veth0/forwarding
```

Configure VE eth device:

```
[root@m0 ~]# vzctl enter 101
entered into VE 101
[root@localhost /]# ip addr show dev eth0
13: eth0: <BROADCAST,MULTICAST> mtu 1500 qdisc noop
    link/ether 00:12:34:56:78:9a brd ff:ff:ff:ff:ff:ff
[root@localhost /]# ip link set eth0 up
[root@localhost /]# ip addr add 192.168.15.111/32 dev eth0
[root@localhost /]# ip route add 192.168.15.11 dev eth0
```

But it can't work:

```
[root@localhost /]# ping 192.168.15.11
PING 192.168.15.11 (192.168.15.11) 56(84) bytes of data.

--- 192.168.15.11 ping statistics ---
1 packets transmitted, 0 received, 100% packet loss, time 0ms
```

What's wrong in my configuration?

Subject: Re: Using real eth device in VE
Posted by Vasily Tarasov on Mon, 09 Oct 2006 06:17:18 GMT
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Hello,

do I understand you right, that you want to use physicall device eth2 in a certain VE? If so, do the following:

vzctl set <VEID> --netdev_add eth2

After that you'll be able to work with this device from inside of VE, as usual, i.e. ifconfig, ip

commands, etc.

HTH,
vass.