
Subject: Using veth on debian

Posted by [Nils Domrose](#) on Mon, 05 Mar 2007 18:02:03 GMT

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Hi all,

today i need setup a Virtual Server with a veth device since a commercial Software required a Mac Address for the license.

I think that it won't be the lasttime that we require such a setup (unfortunately), therefore I put some more effort into the scripts and added information to the wiki.

http://wiki.openvz.org/Virtual_Ethernet_device

I basicaly change the vznetaddroute script mentioned in the wiki:

```
#!/bin/bash
```

```
VZCONFDIR=/etc/vz
```

```
VZHOSTIF=$BASH_ARGV
```

```
. $VZCONFDIR/conf/$VEID.conf
```

```
if [ -n $VETH_IP_ADDRESS ]; then
```

```
    echo "Adding interface $VZHOSTIF and route $VETH_IP_ADDRESS  
for VE$VEID to VE0"
```

```
    /sbin/ifconfig $VZHOSTIF 0
```

```
    echo 1 > /proc/sys/net/ipv4/conf/$VZHOSTIF/proxy_arp
```

```
    echo 1 > /proc/sys/net/ipv4/conf/$VZHOSTIF/forwarding
```

```
    /sbin/ip route add $VETH_IP_ADDRESS dev $VZHOSTIF
```

```
else
```

```
    echo "found no VETH_IP_ADDRESS in $VZCONFDIR/conf/$VEID.conf!"
```

```
    exit 1;
```

```
fi
```

```
exit
```

with this little script one is finally able to just apply changes to the VE's config file by adding a VETH_IP_ADDRESS variable including the desired IP Address, the rest is done by the script.

I decided to not include the sysctl / proc settings for forwarding and proxy arp into this script since I prefer the /etc/networks/interfaces way.

e.g.

```
auto eth0
iface eth0 inet static
    address 10.1.1.1
    netmask 255.255.255.0
    network 10.1.1.0
    broadcast 10.1.1.255
    gateway 10.215.1.254
    dns-nameservers 10.215.1.20
    dns-search prod.your.domain
    up sysctl -w net.ipv4.conf.eth0.proxy_arp=1
    up sysctl -w net.ipv4.conf.eth0.forwarding=1
```

Hope this helps someone ;-)

Nils Domrose
