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), therfore 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 finaly 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 prefere 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
