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Subject: Re: VLAN not working in VE?

Posted by [januszzz](#) on Tue, 14 Oct 2008 13:03:31 GMT

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- enable eth0 inside container
- create vlan interface inside container and issue some settings

well, I have setup eth0.980 5 minutes since installation of the kernel, but it doesn't work. Kernel IP routing table (HE):

Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
10.0.0.2	0.0.0.0	255.255.255.255	UH	0	0	0	veth110.0
126.66.64.0	0.0.0.0	255.255.254.0	U	0	0	0	eth0.20
127.0.0.0	0.0.0.0	255.0.0.0	U	0	0	0	lo
0.0.0.0	126.66.65.249	0.0.0.0	UG	0	0	0	eth0.20

I do all the stuff:

```
echo 1 > /proc/sys/net/ipv4/conf/veth110.0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/veth110.0/proxy_arp
echo 1 > /proc/sys/net/ipv4/conf/eth0/forwarding
echo 1 > /proc/sys/net/ipv4/conf/eth0/proxy_arp
```

And I setup vlan the Gentoo way in VE (so its standard Linux way):

```
vlans_eth0="980"
config_eth0=( "null" )
vconfig_eth0=( "set_name_type DEV_PLUS_VID_NO_PAD" )
config_eth0_980=( "10.0.0.2 netmask 255.255.255.0" )
```

i get these routes:

10.0.0.0	0.0.0.0	255.255.255.0	U	0	0	0	eth0.980
127.0.0.0	127.0.0.1	255.0.0.0	UG	0	0	0	lo

this doesn't work, (Destination Host Unreachable) so packets do not reach HE.

If I do in VE:

```
ifconfig eth0 0
ip r a default dev eth0
```

it doesn't work either (sorry! this doesn't work, but ping goes to HE, I forgot to remove previous route!).

I do in VE:

```
cat /proc/net/vlan/config
VLAN Dev name | VLAN ID
```

Name-Type: VLAN\_NAME\_TYPE\_RAW\_PLUS\_VID\_NO\_PAD  
eth0.980 | 980 | eth0

I do in HE:

```
cat /proc/net/vlan/config
```

VLAN Dev name | VLAN ID

Name-Type: VLAN\_NAME\_TYPE\_RAW\_PLUS\_VID\_NO\_PAD  
eth0.20 | 20 | eth0

Its ok, because I'm using vlan 20 for accessing the HE.

I'm loosing the second day on this....

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