Subject: Multiple VLANS in VE doesn't work? <SOLVED>
Posted by januszzz on Thu, 16 Oct 2008 07:02:31 GMT
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Hi,
I've created single VLANs in VE, the problem is I cannot setup the second.

My config:

HN:
eth0.980 10.0.0.254
eth0.990 10.0.1.254

VE:

eth0.980 10.0.0.2
eth0.990 10.0.1.2*

*when I configure the second vlan on eth1 (the next veth interface) tcpdump output is the same.

The problem: VLAN 980 works perfectly, while 990 - is not. When I switch them, 990 works 100%, 980 not. So it appears that only first vlan works ok.

What works in first vlan: everything, 100% works as expected.
What works in second vlan: I can ping HN vlan devices (so its 10.0.0.254 10.0.1.254), I can ping all hosts in 10.0.0.0/24.

What doesn't work: I cannot ping anything from vlan 990 (so its 10.0.1.0/24) except HN interface 10.0.0.254.

while pinging, tcpdump on HN gives:

09:50:19.105190 IP 10.0.1.2 > 10.0.0.1: ICMP echo request, id 53822, seq 46, length 64

How I resolve that?

And one more question: if I've got two vlans with the same class of addresses I'm not able to setup proper routes on HN (ie. the same ip can exists in 2 different places), am I right?

Subject: Re: Multiple VLANS in VE doesn't work?
Posted by januszzz on Fri, 17 Oct 2008 06:38:33 GMT
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Anyone setting up vlans?...

Subject: Re: Multiple VLANS in VE doesn't work?
Posted by jsosic on Sun, 14 Dec 2008 22:10:29 GMT
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I have problem with VLAN's too.. I have to set up an IP adress for every VLAN in HE, and that wastes 1 IP address per VLAN...and I'm quite limited with avaliable IP addresses. So, I'm wondering, is there a way to set up VE in one VLAN, in the way that HE does not have IP in that VLAN?

```
bond0     Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING MASTER MULTICAST  MTU:1500  Metric:1
          RX packets:104585 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6031 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:7161726 (6.8 MiB)  TX bytes:855520 (835.4 KiB)

bond0.46  Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING MASTER MULTICAST  MTU:1500  Metric:1
          RX packets:69831 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:3396478 (3.2 MiB)  TX bytes:468 (468.0 b)

bond0.95  Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING MASTER MULTICAST  MTU:1500  Metric:1
          RX packets:8675 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:651432 (636.1 KiB)  TX bytes:468 (468.0 b)

bond0.203 Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet addr:192.168.0.157  Bcast:192.168.0.159  Mask:255.255.255.248
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING MASTER MULTICAST  MTU:1500  Metric:1
          RX packets:6201 errors:0 dropped:0 overruns:0 frame:0
          TX packets:5997 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:477470 (466.2 KiB)  TX bytes:797520 (778.8 KiB)

bond0.617 Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING MASTER MULTICAST  MTU:1500  Metric:1
          RX packets:5128 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:238486 (232.8 KiB)  TX bytes:468 (468.0 b)
```

```
eth0      Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING SLAVE MULTICAST  MTU:1500  Metric:1
          RX packets:89835 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6027 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:6021556 (5.7 MiB)  TX bytes:855368 (835.3 KiB)
          Interrupt:106 Base address:0xa000

eth1      Link encap:Ethernet  HWaddr 00:14:4F:8D:7C:CE
          inet6 addr: fe80::214:4fff:fe8d:7cce/64 Scope:Link
          UP BROADCAST RUNNING SLAVE MULTICAST  MTU:1500  Metric:1
          RX packets:14750 errors:0 dropped:0 overruns:0 frame:0
          TX packets:6 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:1140170 (1.0 MiB)  TX bytes:492 (492.0 b)
          Interrupt:114 Base address:0xc000

venet0    Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
          UP BROADCAST POINTOPOINT RUNNING NOARP  MTU:1500  Metric:1
          RX packets:0 errors:0 dropped:0 overruns:0 frame:0
          TX packets:0 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:0 (0.0 b)  TX bytes:0 (0.0 b)
```

So, how to set up VE to have an address in for example VLAN95 (bond0.95 device)?

Subject: Re: Multiple VLANS in VE doesn't work?
Posted by januszzz on Mon, 15 Dec 2008 08:55:04 GMT
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Hi, I'll help you in 24 hours (have done setup all properly, I got howto in Polish but I'll translate). This needs to be marek solved and once I'll put it here, I'll do it.

Subject: Re: Multiple VLANS in VE doesn't work?
Posted by jsosic on Mon, 15 Dec 2008 13:35:57 GMT
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Thank you very much! I'll be waiting for the solution...

Subject: Re: Multiple VLANS in VE doesn't work?

Posted by jsosic on Wed, 17 Dec 2008 08:35:42 GMT
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Bump bump! Please could you post it, even on polish, I have some polish guys that could help translate it

Thank you!

Subject: Re: Multiple VLANS in VE doesn't work?
Posted by januszzz on Wed, 17 Dec 2008 20:13:16 GMT
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I'm sorry I'm going on....

Subject: Re: Multiple VLANS in VE doesn't work?
Posted by januszzz on Wed, 17 Dec 2008 21:52:03 GMT
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Ok, here it goes! This is completely new post so please forgive my language, I was in hurry; it should work, but ya know how it is feedback well seen.

http://en.gentoo-wiki.com/wiki/OpenVZ_VLANs

good luck

Subject: Re: Multiple VLANS in VE doesn't work? <SOLVED>
Posted by jsosic on Sat, 20 Dec 2008 00:01:15 GMT
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Thank you, I've got it! I'm using Gentoo as a desktop OS, so I was able to understand the configurations, altough my servers are RHEL.