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Subject: Re: Multiple interfaces eth0, eth1 on different subnets

Posted by [Reiner030](#) on Wed, 14 Feb 2007 14:46:22 GMT

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Hi,

it's my problem, too...

It seems, that the person on [message #7394] "Dual NIC environment" had the same problem, but the other reader didn't understand his explanations and thought he played a joke with them...

As i found in the searches, the main problem seems the problem with the wrong interface / and even now the wrong interface used by arpsend ... even it's "only" a warning...

My config:

VHost:

eth0: a.b.c.d/255.255.255.224

eth1: 10.0.0.1/255.255.255.0

VE (with standard openvz rules):

veneth0: 127.0.0.1

veneth0:0: a.b.c.e

veneth0:1: 10.0.0.222

1) from VHost AND other server outside:

ping a.b.c.e => works

ping 10.0.0.222 => works

2) from VE to VHost:

ping a.b.c.d => works

ping 10.0.0.1 => works

3) from VE to other server outside:

ping a.b.c.g => works

ping www.heise.de, www.t-online.de and so on => works

ping 10.0.0.3 => didn't work

but

ping -I 10.0.0.222 10.0.0.3 => work

I've used tcdump -I veneth0 on VHost to verify the packet transfer

=> so the source routing for 10.0.0.222 is'nt right...

I thought "no problem", I found here the tipp to change debian-add\_ip.sh ... so i change the script to add routes behind

veneth0:0

```
up route add -net a.b.c.a netmask 255.255.255.224 dev veneth0:0  
and veneth0:1  
up route add -net 10.0.0.0 netmask 255.255.255.0 dev veneth0:1
```

now all pings and my webinterface connection to the mysql server on 10.0.0.3 works correctly ...

BUT

the dns server could'nt be queried ((

I tried to change the default route from the VE FAKEGATEWAY to my Gateway:

```
up route del default gw 191.255.255.1  
up route add default dev venet0:0  
but it didnt help either.
```

If I remove theses routes, dns works / use of 10.0.0.222 is wrong again...

==>

Is it possible to change the arpsend command and when yes, where? I grepped the /etc/vz/ files for arpsend, but didn't find it...

Or is there an easier way to get the right routing?

Thanks.

Reiner

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