
Subject: [Answered] Multiple VETH's and only 1 NIC (eth0)

Posted by [schjeall](#) on Mon, 09 Feb 2009 21:43:51 GMT

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Hello,

I was wondering how to create multiple VETH's with only one NIC (e.g. eth0). I'm able to create veth101.0, but when I duplicate the process for additional VETH's on eth0 I don't succeed. Get errors like device does not exists

Here's what I want:

Some bridge (eth0)

```
|-- veth101.0
|-- veth101.1
|-- veth101.2
|-- veth101.3
```

Is this possible at all with only one NIC (eth0)?

Subject: Re: Multiple VETH's and only 1 NIC (eth0)

Posted by [maratrus](#) on Tue, 10 Feb 2009 18:12:29 GMT

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Hello,

of course it should be possible:

```
# brctl addbr br0
# brctl addif br0 eth0
# ifconfig veth101.0 0
# brctl addif br0 veth101.0
...
```

Subject: Re: Multiple VETH's and only 1 NIC (eth0)

Posted by [schjeall](#) on Tue, 10 Feb 2009 21:48:29 GMT

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Ok, when I read my forum post I can see that the explanation could be better, sorry.

I want a number of veth's available for my CT101 (e.g. veth101.0 and veth101.1), only using eth0.

Executing the command below gives me the first veth101.0

```
vzctl set 101 --netif_add eth0  
Configure veth devices: veth101.0
```

Adding the next veth101.1 gives me problems. I was hoping the option --netif_add worked incremental just like --ipadd.

I came up with this attempt:

```
vzctl set 101 --netif_add veth101.1,,eth0,,br0
```

But I get the following message: Container does not have configured veth: veth101.1, skipped

Please note the first veth101.0 and the bridge is working.

Subject: Re: Multiple VETH's and only 1 NIC (eth0)
Posted by [maratrus](#) on Wed, 11 Feb 2009 10:07:08 GMT
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Hello,

Quote:

I want a number of veth's available for my CT101 (e.g. veth101.0 and veth101.1), only using eth0.

It's not a correct desire.

Look, vzctl allows you to create eth0 interface inside VE.

vzctl --netif_add creates eth0 inside VE and gives a possibility to reach it from the HN through veth101.0. Then if you create eth1 interface inside VE veth101.1 interface should be created on the HN etc. That's why your desire looks a little bit strange. Could you please explain what are you going to do?

Subject: Re: Multiple VETH's and only 1 NIC (eth0)
Posted by [schjeall](#) on Thu, 12 Feb 2009 08:16:12 GMT
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I have more reasons, why I wanna do this. One of them are.

I want to do a proof of concept, moving an old Linux server to a VE. The server uses two network cards (samba, eth0 and ftp, eth1).

The hardware node I'm gonna use only have eth0. Now, I don't want to mess to much with

network settings on the old server (it's my enemy at the moment)! Just want to do a "simple" move of the server into a VE.

My idea was to do something like this:

```

+-----+
|      eth0      |
HN +-----+
| veth101.0 | veth101.1 |
+=====+
VE101 | eth0  | eth1  |
+-----+

```

From your answer I guess this is not possible, unless I add an extra NIC to the hardware node?

Subject: Re: Multiple VETH's and only 1 NIC (eth0)
Posted by [maratrus](#) on Thu, 12 Feb 2009 09:23:54 GMT
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Hello,

Quote:

From your answer I guess this is not possible, unless I add an extra NIC to the hardware node?

No, my answer was about impossibility having two veth* interfaces on the HN with single eth interface inside VE.

The picture you've shown may be realized by two commands:

```
# vzctl set 101 --netif_add eth0 --save
# vzctl set 101 --netif_add eth1 --save
```
