Subject: GRE/IPIP tunnel support on VE
Posted by magicboiz on Thu, 21 Sep 2006 06:59:52 GMT
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Hello all

I'm trying to add an ip tunnel inside a VE, but with no luck. I'd try two ways:

1.- Inside the VE, I did run:
-bash-3.00# ip tunnel add tunel0 mode gre local 10.1.2.3 remote 10.2.3.4
ioctl: No such device

2.- From the HW node, I did create the tunnel interface, and then, trying to add it to the VE:

[root@hwnode /]#ip tunnel add tunel0 mode gre local 10.1.2.3 remote 10.2.3.4
[root@hwnode /]# vzctl set 100 --netdev_add tunel0 --save
Bad parameter for --netdev_add: tunel0

Is possible to use IP tunnels (GRE/IPIP) in OpenVZ enviroment?

HW machine running CentOS 4.4 with kernel 2.6.9-023stab016

thx in advance.
Javier.

Subject: Re: GRE/IPIP tunnel support on VE
Posted by Vasily Tarasov on Thu, 21 Sep 2006 07:17:45 GMT
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Check that gre/ipip kernel modules are loaded in HN.
You also should add r/w device permissions for tunel device for VE using --devnode command of vzctl and then use device inside VE.

HTH,
vass.

Subject: Re: GRE/IPIP tunnel support on VE
Posted by magicboiz on Thu, 21 Sep 2006 10:13:00 GMT
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Hello,

the modules are loaded:

[root@icmnms ~]# lsmod | grep gre
ip_gre   10912 0
[root@icmnms ~]#

How can I see what device is under /dev, any network interface? /dev/tunel0 does not exist..... /dev/eth0 doesn't to....

Thx!

Subject: Re: GRE/IPIP tunnel support on VE
Posted by Vasily Tarasov on Thu, 21 Sep 2006 10:30:08 GMT
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Quote:How can I see what device is under /dev, any network interface? /dev/tunel0 does not exist..... /dev/eth0 doesn't to....

 Sorry I don't quite get your question...
To see devices under /dev you can do ls
Are we specing about /dev inside VE or on HN?
If so, why eth0 should be there?

So, please, ask providing more details!

Thanks!

Subject: Re: GRE/IPIP tunnel support on VE
Posted by magicboiz on Thu, 21 Sep 2006 15:16:09 GMT
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first of all, thanks for your help vass

I need to have a tunnel gre interface inside my VE. I cannot create it inside the VE using the tipicall way (ip tunnel add.... comand).

I also did try to pass it to the VE (vzctl set 100 --netdev_add tunel0 --save.... command), but it didn't work too.

Now, you suggest me to make the interface RW... but i don't know how.
Can you tell me the command that you guess I should write? Something like "vzctl set 100 --devnode tunel0 rw"??

What a nightmare.....

Thx

PD: sorry my english.....

Subject: Re: GRE/IPIP tunnel support on VE
Posted by Vasily Tarasov on Fri, 22 Sep 2006 05:27:25 GMT
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Hello,

I suppose you should use

vzctl set 100 --devnodes tunel0:rw

And then do everything like usual inside VE.

HTH,
vass.

Subject: Re: GRE/IPIP tunnel support on VE
Posted by magicboiz on Fri, 22 Sep 2006 07:13:22 GMT
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No luck

```
[root@HWNODE ~]# ifconfig tunel0
tunel0    Link encap:UNSPEC  HWaddr 0A-A8-20-65-00-00-00-00-00-00-00-00-00-00-00-00
          POINTOPOINT NOARP  MTU:1476  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)

[root@HWNODE ~]# ip tunnel show
gre0: gre/ip  remote any  local any  ttl inherit  nopmtudisc
tunel0: gre/ip  remote 10.168.32.250  local 10.168.32.101  dev eth1  ttl inherit


[root@HWNODE ~]# vzctl set 100 --devnodes tunel0 rw
Bad parameter for --devnodes: tunel0
[root@HWNODE ~]#
```

I'm afraid that Openvz does not support this kind of network interfaces inside a VE.....

Regards.

Subject: Re: GRE/IPIP tunnel support on VE
Posted by Vasily Tarasov on Fri, 22 Sep 2006 07:18:55 GMT
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You forgot about ':'!
--devnodes tunel0:rw

Subject: Re: GRE/IPIP tunnel support on VE
Posted by magicboiz on Fri, 22 Sep 2006 09:42:14 GMT
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[root@HWNODE ~]# vzctl set 100 --devnodes tunel0:rw
Incorrect device name /dev/tunel0: No such file or directory
Bad parameter for --devnodes: tunel0:rw
[root@HWNODE ~]#

Subject: Re: GRE/IPIP tunnel support on VE
Posted by Vasily Tarasov on Fri, 22 Sep 2006 09:58:06 GMT
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It means, that file
/dev/tunel0 doesn't exist.
Maybe tunnel0?
Please, provide `ls /dev/tun*` output (on HN)...

Subject: Re: GRE/IPIP tunnel support on VE
Posted by magicboiz on Mon, 25 Sep 2006 14:49:47 GMT
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No tun* device.....

[root@HWNODE ~]# ls -l /dev/tun*
ls: /dev/tun*: No such file or directory
[root@HWNODE ~]#

Regards

Subject: Re: GRE/IPIP tunnel support on VE
Posted by MaksymDolgykh on Tue, 13 Feb 2007 23:55:48 GMT
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You need set interface up in HW before move it into VE:
ip tunnel add tunel0 mode gre local 10.1.2.3 remote 10.2.3.4
ip link set up dev tunel0

Now you can move tunnel interface into VE:
vzctl set 100 --netdev_add tunel0 --save

This work for me on debian-3.1 with kernel 2.6.8-022stab078.14

Subject: Re: GRE/IPIP tunnel support on VE
Posted by vinesh on Wed, 30 May 2018 02:44:07 GMT
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Hi,

MaximDolgikh, please let me know .

How to set interface up in HW before move it into VE?

Thanks,

Subject: Re: GRE/IPIP tunnel support on VE
Posted by MaksymDolgykh on Wed, 30 May 2018 10:12:04 GMT
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Hello,

Actually, I have mentioned all commands in the previous message
Just make sure the interface is in UP state on the HW

ip tunnel add tunel0 mode gre local 10.1.2.3 remote 10.2.3.4
ip link set up dev tunel0
vzctl set 100 --netdev_add tunel0 --save

I didn't try this now, but 11 years ago it worked, so I'm going to assume it still works.

Thank you.