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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.

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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.

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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!

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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!

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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.....

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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.

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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.

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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

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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 ~]#
```

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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)...

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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

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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

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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,

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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.

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