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Subject: Re: OpenVZ and Gentoo (partly solved)  
Posted by [wimalopaan](#) on Thu, 05 Jan 2006 14:11:30 GMT  
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The network issue is partly solved: I do not use the gentoo net.lo script for net.venet0 anymore, instead I setup the interfaces venet0 and venet0:0 with the attached workaround-script.

But, how do I bind-mount directories from to host to the VPS, e.g. to use /usr/portage in the VPD too. If I try to (on host)

```
gs ~ # mount /usr/portage /vz/private/2001/usr/portage/ -o bind,ro
```

I get

```
ovz01 usr # ls
bin i386-pc-linux-gnu include lib libexec local portage sbin share
src tmp
ovz01 usr # ls portage
ovz01 usr #
```

on the VPS ovz01. Whats wrong?

- Wilhelm

Am Mittwoch, 4. Januar 2006 17:28 schrieb Wilhelm Meier:

> Am Mittwoch, 4. Januar 2006 09:51 schrieb Kirill Korotaev:

> > so you run Gentoo inside VPS yeah?

>

> Well, I try to ...

>

> > the problem seems to be in your initscripts, which didn't mount /proc on

> > VPS start and didn't create /dev/ttyX entries for terminal devices.

> > Looks like the only process in your VPS is init, strange...

>

> I created the needed /dev/tty0 and /dev/tty0 by hand

> in /vz/private/<id>/dev/ and mount also /proc by hand. Then it is possible

> to enter the gentoo-VPS:

>

> gs ~ # vzctl enter 2001

> entered into VPS 2001

> ovz01 / # ps aux

> USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND

> root 1 0.0 0.1 1368 480 ? Ss 17:06 0:00 ini

> root 14644 0.0 0.3 1740 780 ? Ss 17:14 0:00 vzctl:

> tty0 root 15669 0.5 0.5 2244 1288 tty0 Ss 17:14 0:00 bash

> -i root 15671 0.0 0.3 2376 836 tty0 R+ 17:14 0:00 ps aux

> ovz01 / #

```

>
> I also copied /etc/init.d/net.lo to the VPS and some additional scripts,
> which are apparently missing.
> But in the gentoo-VPS I get still:
>
> ovz01 / # /etc/init.d/net.venet0 start
> * Starting
> *      no interface module has been loaded
> ovz01 / #
> ovz01 / # /sbin/ifconfig -a
> lo      Link encap:Local Loopback
>         LOOPBACK MTU:16436 Metric:1
>         RX packets:38 errors:0 dropped:0 overruns:0 frame:0
>         TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
>         collisions:0 txqueuelen:0
>         RX bytes:2660 (2.5 Kb) TX bytes:2660 (2.5 Kb)
>
> venet0  Link encap:UNSPEC HWaddr
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
>         BROADCAST POINTOPOINT 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)
>
> ovz01 / #
>
> If I try that with a debian-guest on the gentoo-host, I get:
>
> gs ~ # vzctl enter 2002
> entered into VPS 2002
> root@ovz02:~# ifconfig -a
> lo      Link encap:Local Loopback
>         LOOPBACK MTU:16436 Metric:1
>         RX packets:38 errors:0 dropped:0 overruns:0 frame:0
>         TX packets:38 errors:0 dropped:0 overruns:0 carrier:0
>         collisions:0 txqueuelen:0
>         RX bytes:2660 (2.5 KiB) TX bytes:2660 (2.5 KiB)
>
> venet0  Link encap:UNSPEC HWaddr
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00
>         inet addr:127.0.0.1 P-t-P:127.0.0.1 Bcast:0.0.0.0
> Mask:255.255.255.255
>         UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
>         RX packets:3 errors:0 dropped:0 overruns:0 frame:0
>         TX packets:3 errors:0 dropped:0 overruns:0 carrier:0
>         collisions:0 txqueuelen:0
>         RX bytes:252 (252.0 b) TX bytes:252 (252.0 b)

```

```

>
> venet0:0 Link encap:UNSPEC HWaddr
> 00-00-FF-FF-FF-FF-00-00-00-00-00-00-00-00-00-00
>      inet addr:192.168.39.22 P-t-P:192.168.39.22 Bcast:0.0.0.0
> Mask:255.255.255.255
>      UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
>
> root@ovz02:/#
>
> So the interface venet0:0 is missing in the gentoo-guest.
>
>> kir@ who is in charge of Gentoo will be available after Jan 7 only, but
>> I can check what's wrong with your VPS if you provide me the credentials
>> in private email.
>>
>> Kirill
>>
>>> Hi,
>>>
>>> I want to use OpenVZ with Gentoo. I did the install of OpenVZ as
>>> described in
>>>
>>> http://dev.croup.de/proj/gentoo-vps/wiki
>>>
>>> When I try to enter, I get:
>>>
>>> gs ~ # vzctl start 2001
>>> Starting VPS ...
>>> VPS is mounted
>>> Setting CPU units: 1000
>>> VPS start in progress...
>>> gs ~ # vzctl status 2001
>>> VPSID 2001 exist mounted running
>>> gs ~ # vzctl enter 2001
>>> Unable to open pty: No such file or directory
>>> enter failed
>>> gs ~ #
>>>
>>> and
>>>
>>> gs ~ # vzctl exec 2001 ps aux
>>> Error, do this: mount -t proc proc /proc
>>> gs ~ # vzctl exec 2001 mount -t proc none /proc
>>> gs ~ # vzctl exec 2001 ps aux
>>> USER      PID %CPU %MEM  VSZ  RSS TTY      STAT START  TIME
>>> COMMAND root      1 0.0 0.1 1368 480 ?        Ss   00:30
>>> 0:00 ini root    22894 0.0 0.3 2372 832 ?        Rs   00:31
>>> 0:00 ps aux gs ~ #

```

> > >  
> > > Any hints?  
> > > --  
> > > Wilhelm Meier  
> > > email: meier@informatik.fh-kl.de

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Wilhelm Meier  
email: meier@informatik.fh-kl.de

## File Attachments

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1) [net.venet0](#), downloaded 502 times

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