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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 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/ptyX entries for terminal devices.  
> > Looks like the only process in your VPS is init, strange...  
>  
> I created the needed /dev/ttyp0 and /dev/ttyp0 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:  
> ttyp0 root 15669 0.5 0.5 2244 1288 ttyp0 Ss 17:14 0:00 bash  
> -i root 15671 0.0 0.3 2376 836 ttyp0 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  
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
>      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  
> 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00  
>      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-00-00-00-00-00-00-00-00-00-00-00  
>       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 443 times
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