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Subject: OpenVZ and Gentoo

Posted by [wimalopaan](#) on Tue, 03 Jan 2006 21:44:54 GMT

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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](mailto:meier@informatik.fh-kl.de)

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Subject: Re: OpenVZ and Gentoo

Posted by [Kirill Korotaev](#) on Wed, 04 Jan 2006 08:50:35 GMT

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so you run Gentoo inside VPS yeah?

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...

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

```
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>
> I want to use OpenVZ with Gentoo. I did the install of OpenVZ as described in
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> 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
```

---

---

Subject: Re: OpenVZ and Gentoo  
Posted by [wimalopaaan](#) on Wed, 04 Jan 2006 14:26:51 GMT

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/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: 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
        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,
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>> 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
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> > 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 ~ #
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> > Any hints?
> > --
> > Wilhelm Meier
> > email: meier@informatik.fh-kl.de
--
--
Wilhelm Meier
email: meier@informatik.fh-kl.de
```

---

Subject: Re: OpenVZ and Gentoo (partly solved)  
Posted by [wimalopaaan](#) 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...

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> 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 / #

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> 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:
>
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> 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)
>
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> 00-00-FF-FF-FF-FF-00-00-00-00-00-00-00-00-00-00
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> Mask:255.255.255.255
> UP BROADCAST POINTOPOINT RUNNING NOARP MTU:1500 Metric:1
>
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>
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```

```

>> in private email.
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>> Kirill
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>>> gs ~ # vzctl exec 2001 mount -t proc none /proc
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>>> 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 ~ #
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>>> Any hints?
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>>> Wilhelm Meier
>>> email: meier@informatik.fh-kl.de
--
--
Wilhelm Meier
email: meier@informatik.fh-kl.de

```

## File Attachments

1) [net.venet0](#), downloaded 395 times

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Subject: Re: OpenVZ and Gentoo (partly solved)  
Posted by [dev](#) on Thu, 05 Jan 2006 14:25:32 GMT  
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try /vz/root/2001/usr/portage after VPS is mounted.

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> 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  
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>>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 / #
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>> * no interface module has been loaded
>> ovz01 / #
>> ovz01 / # /sbin/ifconfig -a
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>> venet0 Link encap:UNSPEC HWaddr
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>> BROADCAST POINTOPOINT NOARP MTU:1500 Metric:1
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>>
>> ovz01 / #
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>> 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.
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>>>Kirill
>>>
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>>>>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
```

---

---

Subject: Re: OpenVZ and Gentoo (partly solved)  
Posted by [wimalopaan](#) on Thu, 05 Jan 2006 15:21:57 GMT  
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Am Donnerstag, 5. Januar 2006 15:25 schrieb Kirill Korotaev:

- > > 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
- >
- > try /vz/root/2001/usr/portage after VPS is mounted.

does not solve the problem.

on host:

```
gs ~ # vzctl mount 2001
VPS is mounted
gs ~ # mount /usr/portage /vz/root/2001/usr/portage -o bind,ro
gs ~ # mount
/dev/hda1 on / type ext3 (rw,noatime)
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
udev on /dev type tmpfs (rw,nosuid)
devpts on /dev/pts type devpts (rw)
/dev/hdb1 on /fttproot type ext3 (rw,noatime)
shm on /dev/shm type tmpfs (rw,noexec,nosuid,nodev)
192.168.39.1:/home/lmeier on /root/lmeier type nfs (rw,addr=192.168.39.1)
none on proc type proc (rw)
/usr/portage on /vz/root/2001/usr/portage type none (ro,bind)
gs ~ #
```

in the VPS:

```
ovz01 usr # ls
bin          include libexec portage  sbin  src
i386-pc-linux-gnu lib  local  portage.vps share tmp
ovz01 usr # ls -l portage
total 0
ovz01 usr #
```

```
>
> > 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 ...
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> >>>the problem seems to be in your initscripts, which didn't mount /proc on
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> >> possible to enter the gentoo-VPS:
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> >>>entered into VPS 2001
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> >>>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:
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> >> *      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
> >>      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  
--  
--  
Wilhelm Meier  
email: meier@informatik.fh-kl.de

---

---

Subject: Re: OpenVZ and Gentoo (partly solved)  
Posted by [Kirill Korotaev](#) on Thu, 05 Jan 2006 15:27:30 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

can you give me an access? it will be much faster...  
if so, send me a private mail with login please.

Kirill

> Am Donnerstag, 5. Januar 2006 15:25 schrieb Kirill Korotaev:  
>  
>>>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  
>>  
>>try /vz/root/2001/usr/portage after VPS is mounted.  
>  
>  
> does not solve the problem.  
>  
> on host:  
>  
> gs ~ # vzctl mount 2001  
> VPS is mounted  
> gs ~ # mount /usr/portage /vz/root/2001/usr/portage -o bind,ro  
> gs ~ # mount  
> /dev/hda1 on / type ext3 (rw,noatime)  
> proc on /proc type proc (rw)  
> sysfs on /sys type sysfs (rw)  
> udev on /dev type tmpfs (rw,nosuid)  
> devpts on /dev/pts type devpts (rw)  
> /dev/hdb1 on /tftproot type ext3 (rw,noatime)  
> shm on /dev/shm type tmpfs (rw,noexec,nosuid,nodev)



```

> 192.168.39.1:/home/lmeier on /root/lmeier type nfs (rw,addr=192.168.39.1)
> none on /proc type proc (rw)
> /usr/portage on /vz/root/2001/usr/portage type none (ro,bind)
> gs ~ #
>
> in the VPS:
>
> ovz01 usr # ls
> bin          include libexec portage  sbin  src
> i386-pc-linux-gnu lib    local  portage.vps share tmp
> ovz01 usr # ls -l portage
> total 0
> ovz01 usr #
>
>
>
>
>>>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/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:
>>>>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
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>>>>
>>>>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
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>>>>venet0:0 Link encap:UNSPEC HWaddr
>>>>00-00-FF-FF-FF-FF-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
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>>>>>>>and
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>>>>>
>>>>>gs ~ # vzctl exec 2001 ps aux
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>>>>>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
```

---