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**Subject:** Trouble starting/accessing Gentoo VPS  
**Posted by** [davewi](#) **on Tue, 23 Jan 2007 07:20:10 GMT**  
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I followed instructions for setting up OpenVZ on Gentoo:

[http://gentoo-wiki.com/HOWTO\\_OpenVZ](http://gentoo-wiki.com/HOWTO_OpenVZ)

Whitch got me a long ways.

I eventually was able to create and start a VPS based on the

[http://download.openvz.org/template/precreated/gentoo-200603\\_17-i686-stage3.tar.gz](http://download.openvz.org/template/precreated/gentoo-200603_17-i686-stage3.tar.gz)

However. Although I was able to run commands like:

vzctl set 101 --ipadd 192.168.0.5 --save

vzctl exec 101 /usr/bin/passwd root

vzctl exec 101 /usr/bin/ls

and

vzctl exec 101 /bin/ps ax

PID	TTY	STAT	TIME	COMMAND
-----	-----	------	------	---------

1	?	Ss	0:00	init
---	---	----	------	------

9643	?	Ss	0:00	/usr/sbin/sshd
------	---	----	------	----------------

9646	?	Rs	0:00	/bin/ps ax
------	---	----	------	------------

getting interactive output to the screen (changing password etc), I couldn't get an interactive shell.

I tried ssh from host os and other computers

ssh root@192.168.0.5

vzctl enter 101

vzctl exec 101 /bin/bash

vzctl exec 101 /bin/sh

all with the same result of it just stopping at the point of initiating the terminal session. SSH made it through the whole authentication.

There are no messages about anything in the hosts /var/log/messages, /var/log/vzctl.log or the VPS client logs.

I was able to simply kill the process with a ctrl-c or kill pid.

Any thoughts? Guides to the right place?

Thanks for the help!!!

Dave

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [kir](#) **on Tue, 23 Jan 2007 09:42:16 GMT**

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Am I got it right that vzctl enter NNN just hangs? If yes, please run strace -Ff on it and post the result here (as an attachment).

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [davewi](#) **on Tue, 23 Jan 2007 17:36:19 GMT**

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Yes it hangs but hitting Ctrl-c still kills the process and not the VPS.

Attached are the logs from the following commands. (with addresses changed for security)

strace -Ff -ovzctlenter.log vzctl enter 101

strace -Ff -ovzssh.log ssh 192.168.0.17

strace -Ff -ovzbash.log vzctl exec 101 /bin/bash

ssh has to be killed from a nother shell with kill -15 pid-for-ssh-process

Thanks again for looking at this!

Dave

#### File Attachments

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1) [vzctlenter.log](#), downloaded 380 times

2) [ovzssh.log](#), downloaded 346 times

3) [ovzbash.log](#), downloaded 354 times

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Subject: Re: Trouble starting/accessing Gentoo VPS

Posted by [kir](#) on Tue, 23 Jan 2007 17:42:34 GMT

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What kernel do you use?

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Subject: Re: Trouble starting/accessing Gentoo VPS

Posted by [davewi](#) on Tue, 23 Jan 2007 18:24:18 GMT

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Linux onstar 2.6.9-023stab037openvz #8 Mon Jan 22 12:09:31 PST 2007 i686 Pentium III  
(Katmai) GNU/Linux

I've attached my make and .config files.

FYI I did :

vzctl exec 101 /bin/mount

none on /proc type proc (rw)

Thanks

#### File Attachments

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1) [config](#), downloaded 354 times

2) [Makefile](#), downloaded 344 times

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [davewi](#) **on Tue, 23 Jan 2007 18:59:50 GMT**

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I just downloaded a couple other os templates, created VPSs for them and was able to enter them.

Interesting. I did notice that all the other ones are for i386 while the gentoo is for i686. My kernel is compiled for a Pentium III so that shouldn't be a problem but???

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [kir](#) **on Tue, 23 Jan 2007 20:09:37 GMT**

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Looks like something is wrong with /dev and/or tty devices.

Oh, perhaps you do not enable CONFIG\_LEGACY\_PTYs when configuring your kernel? If that's the case, you shall mount /dev/pts in your VE. In Gentoo, this should happen in /sbin/rc script. You can check whether it is mounted or not by doing vzctl exec NNN cat /proc/mounts

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [davewi](#) **on Tue, 23 Jan 2007 20:28:47 GMT**

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The kernel is compiled with  
CONFIG\_LEGACY\_PTYs=y

the results of the gentoo based VPS are:

vzctl exec 101 cat /proc/mounts

simfs / simfs rw 0 0

proc /proc proc rw,nodiratime 0 0

and for the fedora core 5 minimal are:

vzctl exec 105 cat /proc/mounts

simfs / simfs rw 0 0

proc /proc proc rw,nodiratime 0 0

tmpfs /var/run tmpfs rw 0 0

tmpfs /var/lock tmpfs rw 0 0

devpts /dev/pts devpts rw 0 0

tmpfs /dev/shm tmpfs rw 0 0

tmpfs /var/run tmpfs rw 0 0

tmpfs /var/lock tmpfs rw 0 0

Thanks again!

Dave

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [davewi](#) **on** Wed, 24 Jan 2007 00:41:05 GMT  
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The gentoo VPS /sbin/rc does not have stuff for creating devfs or pts.  
I haven't found a way to get the /rc into the VPS file system.

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**Subject:** Re: Trouble starting/accessing Gentoo VPS  
**Posted by** [Vasily Tarasov](#) **on** Wed, 24 Jan 2007 07:54:06 GMT  
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Please, try to add to VE's /etc/fstab:  
none /dev/pts devpts rw 0 0  
and restart this VE. Then try to enter it.

HTH,  
Vasily.

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