
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

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

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

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).

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 -oovzssh.log ssh 192.168.0.17
strace -Ff -oovzbash.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

- 1) [vzctlenter.log](#), downloaded 458 times
 - 2) [ovzssh.log](#), downloaded 422 times
 - 3) [ovzbash.log](#), downloaded 437 times
-

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?

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)
none on /proc type proc (rw)
none on /proc type proc (rw)
none on /proc type proc (rw)
none on /proc type proc (rw)
```

Thanks

File Attachments

- 1) [config](#), downloaded 434 times
 - 2) [Makefile](#), downloaded 421 times
-
-

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???

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`

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

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.

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.
