
Subject: unable to open pty while entering - tried common solutions..

Posted by [lj2012](#) on Mon, 01 Sep 2008 14:52:23 GMT

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Hi there,

I was following the Physical to VE howto.

After moving everything up, creating the pty and tty devs (MAKEDEV pty and MAKEDEV tty) I got

```
[root@bozar dev]# vzctl enter 4405
enter into VE 4405 failed
Unable to open pty: No such file or directory
```

I tried:

- copying /dev from working VE
- copying /dev from main host
- starting udev inside VE

but no result:

```
[root@bozar dev]# vzctl exec 4405 /sbin/udev -d
[root@bozar dev]# ps ax | grep udev
 2198 ?      S<s    0:00 /sbin/udev -d
15120 ?      S<s    0:00 /sbin/udev -d
15128 pts/4   S+     0:00 grep udev
[root@bozar dev]# vzpid 15120
Pid  VEID  Name
15120 4405  udev
[root@bozar dev]# vzctl enter 4405
enter into VE 4405 failed
Unable to open pty: No such file or directory
[root@bozar dev]# vzctl exec 4405 MAKEDEV pty
[root@bozar dev]# vzctl exec 4405 MAKEDEV tty
[root@bozar dev]# vzctl exec 4405 ls /dev/
MAKEDEV
bus
console
core
fd
initctl
kmem
log
loop0
net
null
ppp
pts
```

```

shm
sndstat
stderr
stdin
stdout
xconsole
[root@bozar dev]# vzctl enter 4405
enter into VE 4405 failed
Unable to open pty: No such file or directory
[root@bozar dev]# ps aux | grep udev
root    2198  0.0  0.0 13248 1108 ?        S<s  Aug29   0:00 /sbin/udev -d
root    15120 0.0  0.0  2264  564 ?        S<s  16:40   0:00 /sbin/udev -d
root    22957 0.0  0.0 61124  744 pts/4    S+   16:46   0:00 grep udev
[root@bozar dev]# vzpid 15120
Pid  VEID  Name
15120 4405  udevd
[root@bozar dev]# kill 15120
[root@bozar dev]# ps aux | grep udev
root    2198  0.0  0.0 13248 1108 ?        S<s  Aug29   0:00 /sbin/udev -d
root    22967 0.0  0.0 61128  748 pts/4    S+   16:46   0:00 grep udev
[root@bozar dev]# vzpid 2198
Pid  VEID  Name
2198  0    udevd
[root@bozar dev]# vzctl exec 4405 MAKEDEV tty
[root@bozar dev]# vzctl exec 4405 MAKEDEV pty
[root@bozar dev]# vzctl enter 4405
enter into VE 4405 failed
Unable to open pty: No such file or directory

```

I'm out of options.

/etc/vz/conf/4405.conf :

```

#{...}
ONBOOT="yes"

# UBC parameters (in form of barrier:limit)
KMEMSIZE="11055923:11377049"
LOCKEDPAGES="256:256"
PRIVVMPAGES="65536:69632"
SHMPAGES="21504:21504"
NUMPROC="240:240"
PHYSPAGES="0:2147483647"
VMGUARPAGES="33792:2147483647"
OOMGUARPAGES="26112:2147483647"
NUMTCPSOCK="360:360"
NUMFLOCK="188:206"

```

```
NUMPTY="16:16"
NUMSIGINFO="256:256"
TCPSNDBUF="1720320:2703360"
TCPRCVBUF="1720320:2703360"
OTHERSOCKBUF="1126080:2097152"
DGRAMRCVBUF="262144:262144"
NUMOTHERSOCK="360:360"
DCACHESIZE="3409920:3624960"
NUMFILE="9312:9312"
AVNUMPROC="180:180"
NUMIPTENT="128:128"
```

Disk quota parameters (in form of softlimit:hardlimit)

```
DISKSPACE="10485760:11530240"
DISKINODES="200000:220000"
QUOTATIME="0"
```

CPU fair sheduler parameter

```
CPUUNITS="1000"
```

```
IP_ADDRESS="87.237.9.208"
HOSTNAME="test"
NAMESERVER="85.158.210.68"
#DEVNODES="pty:rw pty0:rw"
```

Subject: Re: unable to open pty while entering - tried common solutions..

Posted by [lj2012](#) on Mon, 01 Sep 2008 15:35:08 GMT

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sorry: found it:

turns out udev had to be stopped/renamed anyway... Still a mystery to me since it didn't popped up in

```
vzctl exec 4405 ps aux | grep udev
```

Anyway, I did:

```
vzctl exec 4405 /bin/bash
/etc/init.d/udev stop
mv /etc/init.d/udev /etc/init.d/udev.bak
cd /dev
MAKEDEV pty
MAKEDEV tty
```

```
exit
vzctl stop 4405
vzctl start 4405
```

et voila.

Let me know if this is stupid and breaks other things in ubuntu.. (except for the udev upgrades...)
Thanks anyway,
L.

Subject: Re: unable to open pty while entering - tried common solutions..

Posted by [piavlo](#) on Tue, 02 Sep 2008 20:01:46 GMT

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Looks like with udev you have devpts mounted under /dev/pts
but you don't have the pts multiplexer device /dev/ptmx
if you create it, it should work also with udev.

Subject: Re: unable to open pty while entering - tried common solutions..

Posted by [jakob](#) on Mon, 08 Sep 2008 03:03:15 GMT

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piavlo wrote on Tue, 02 September 2008 16:01Looks like with udev you have devpts mounted
under /dev/pts
but you don't have the pts multiplexer device /dev/ptmx
if you create it, it should work also with udev.I hit the same problem, but /dev/ptmx existed and
looked good.
Looks like all Ubuntu Hardy VEs are affected by this.

Subject: Re: unable to open pty while entering - tried common solutions..

Posted by [lj2012](#) on Tue, 27 Jan 2009 15:52:41 GMT

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sometimes udev is started from within rc.sysinit. Commenting out en making devices again works.

```
# vzctl exec 4444 vi /etc/rc.sysinit
```

(search for start_udev and comment out)

```
# vzctl exec 4444 cat /etc/rc.sysinit | grep udev
##/sbin/start_udev
```

```
# vzctl exec 4444 bash
cd /dev
```

```
MAKEDEV pty  
MAKEDEV tty  
exit
```

```
# vzctl stop 4444  
# vzctl start 4444
```
