Subject: enter into VE 101 failed
Posted by alasad on Thu, 04 Oct 2007 17:51:32 GMT
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I have a problem in entering vps through ssh

[root@host ~]# vzctl enter 101
enter into VE 101 failed
Unable to open pty: No such file or directory

We tested solutions in the Forum are not solve the problem.

Please help me to solve the problem

NOTE : server : centos 5
VPS : centos-5-i386-default

Subject: Re: enter into VE 101 failed
Posted by maratrus on Fri, 05 Oct 2007 07:59:58 GMT
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Hi,

1. please see this article: http://wiki.openvz.org/VPS_enter_failed
2. What kernel do you use?

Subject: Re: enter into VE 101 failed
Posted by alasad on Fri, 05 Oct 2007 22:09:20 GMT
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maratrus wrote on Fri, 05 October 2007 03:59Hi,

1. please see this article: http://wiki.openvz.org/VPS_enter_failed
2. What kernel do you use?

1.solution:Recompile the kernel not working

2.version kernel : 2.6.18-8.1.8

thank you

Subject: Re: enter into VE 101 failed
Posted by maratrus on Mon, 08 Oct 2007 08:47:46 GMT
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Hi,

please, show the output of the following commands:

1. uname -a
2. cat /proc/user_beancounters
3. cat /proc/mounts

Thank you!

Subject: Re: enter into VE 101 failed
Posted by alasad on Tue, 09 Oct 2007 09:15:32 GMT
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maratrus wrote on Mon, 08 October 2007 04:47Hi,

please, show the output of the following commands:

1. uname -a
2. cat /proc/user_beancounters
3. cat /proc/mounts

Thank you!

[root@host /]# uname -a
Linux host.system-nt.com 2.6.18-8.1.8.el5.028stab039.1PAE #1 SMP Mon Jul 23 20:45:26 MSD 2007 i686 i686 i386 GNU/Linux

[root@host /]# cat /proc/user_beancounters
Version: 2.5

uid	resource	held	maxheld	barrier	limit	failcnt
101:	kmemsize	10703479	23648999	88921292	97813421	0
	lockedpages	0	0	4341	4341	0
	privvmpages	130322	215733	621679	683846	0
	shmpages	860	8833	62167	62167	0
	dummy	0	0	0	0	0
	numproc	87	221	4000	4000	0
	physpages	76189	153602	0	2147483647	0
	vmguarpages	0	0	621679	2147483647	0
	oomguarpages	76190	153603	621679	2147483647	0
	numtcpsock	40	102	4000	4000	0
	numflock	9	103	1000	1100	0

numpty 1 2 400 400 0
numsiginfo 0 65 1024 1024 0
tcpsndbuf 398008 1234272 13256431 29640431 0
tcprcvbuf 655360 1657020 13256431 29640431 0
othersockbuf 30604 1220648 6628215 23012215 0
dgramrcvbuf 0 13416 6628215 6628215 0
numothersock 27 76 4000 4000 0
dcachesize 2479239 2651283 19416233 19998720 0
numfile 2378 6107 34720 34720 0
dummy 0 0 0 0 0
dummy 0 0 0 0 0
dummy 0 0 0 0 0
numiptent 41 41 200 200 0
102: kmemsize 10125083 22279715 88921292 97813421 0
lockedpages 0 8 4341 4341 0
privvmpages 124629 649992 621679 683846 0
shmpages 220 1389 62167 62167 0
dummy 0 0 0 0 0
numproc 83 227 4000 4000 0
physpages 71477 178367 0 2147483647 0
vmguarpages 0 0 621679 2147483647 0
oomguarpages 71478 178368 621679 2147483647 0
numtcpsock 38 181 4000 4000 0
numflock 9 37 1000 1100 0
numpty 0 3 400 400 0
numsiginfo 0 65 1024 1024 0
tcpsndbuf 529932 2206932 13256431 29640431 0
tcprcvbuf 622592 1809760 13256431 29640431 0
othersockbuf 30604 1196072 6628215 23012215 0
dgramrcvbuf 0 175740 6628215 6628215 0
numothersock 24 82 4000 4000 0
dcachesize 2455344 2571633 19416233 19998720 0
numfile 2083 3920 34720 34720 0
dummy 0 0 0 0 0
dummy 0 0 0 0 0
dummy 0 0 0 0 0
numiptent 41 42 200 200 0
0: kmemsize 27573930 48383404 2147483647 2147483647 0
lockedpages 1075 1076 2147483647 2147483647 0
privvmpages 243165 466253 2147483647 2147483647 0
shmpages 890 9210 2147483647 2147483647 0
dummy 0 0 2147483647 2147483647 0
numproc 322 697 2147483647 2147483647 0
physpages 167746 375211 2147483647 2147483647 0
vmguarpages 0 0 2147483647 2147483647 0
oomguarpages 167777 375242 2147483647 2147483647 0
numtcpsock 115 395 2147483647 2147483647 0
numflock 13 72 2147483647 2147483647 0

```
numpty              1         4 2147483647 2147483647         0
numsiginfo          1       130 2147483647 2147483647         0
tcpsndbuf       2884252  17624152 2147483647 2147483647         0
tcprcvbuf       1884160   7690472 2147483647 2147483647         0
othersockbuf     156428   2547788 2147483647 2147483647         0
dgramrcvbuf           0     92660 2147483647 2147483647         0
numothersock        183       318 2147483647 2147483647         0
dcachesize      1865799   6768983 2147483647 2147483647         0
numfile            8596     13407 2147483647 2147483647         0
dummy                 0         0 2147483647 2147483647         0
dummy                 0         0 2147483647 2147483647         0
dummy                 0         0 2147483647 2147483647         0
numiptent           267       291 2147483647 2147483647         0
```

```
[root@host /]# cat /proc/mounts
/dev/root / ext3 rw,data=ordered,usrquota 0 0
/dev /dev tmpfs rw 0 0
/proc /proc proc rw 0 0
/sys /sys sysfs rw 0 0
/proc/bus/usb /proc/bus/usb usbfs rw 0 0
devpts /dev/pts devpts rw 0 0
/dev/sda1 /boot ext3 rw,data=ordered 0 0
tmpfs /dev/shm tmpfs rw 0 0
/dev/sda7 /home ext3 rw,data=ordered,usrquota 0 0
/dev/sda8 /tmp ext3 rw,nosuid,noexec,data=ordered 0 0
/dev/sda3 /usr ext3 rw,data=ordered,usrquota 0 0
/dev/sda2 /var ext3 rw,data=ordered,usrquota 0 0
/dev/sdb1 /backup ext3 rw,data=ordered 0 0
/dev/sdb2 /vz ext3 rw,data=ordered 0 0
none /proc/sys/fs/binfmt_misc binfmt_misc rw 0 0
/dev/sda8 /var/tmp ext3 rw,nosuid,noexec,data=ordered 0 0
sunrpc /var/lib/nfs/rpc_pipefs rpc_pipefs rw 0 0
/etc/auto.misc /misc autofs rw,fd=6,pgrp=8343,timeout=300,minproto=5,maxproto=5,indirect 0 0
-hosts /net autofs rw,fd=11,pgrp=8343,timeout=300,minproto=5,maxproto=5,indirect 0 0
/vz/private/102 /vz/root/102 simfs rw 0 0
/proc /vz/root/102/proc proc rw 0 0
/sys /vz/root/102/sys sysfs rw 0 0
none /vz/root/102/dev tmpfs rw 0 0
none /vz/root/102/dev/pts devpts rw 0 0
/vz/private/102 (deleted)\040/vz/root/102/var/tmp simfs rw,nosuid,noexec 0 0
/vz/private/101 /vz/root/101 simfs rw 0 0
/proc /vz/root/101/proc proc rw 0 0
/sys /vz/root/101/sys sysfs rw 0 0
none /vz/root/101/dev tmpfs rw 0 0
none /vz/root/101/dev/pts devpts rw 0 0
/vz/private/101 (deleted)\040/vz/root/101/var/tmp simfs rw,nosuid,noexec 0 0
```

Subject: Re: enter into VE 101 failed
Posted by piavlo on Tue, 09 Oct 2007 11:12:12 GMT
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The following will fix the problem(only until next VE start if you use udev)
vzctl exec 101 MAKEDEV ptys0

If you are using udev inside the VE, you might want to move to static /dev/ instide VE. Or you can make udev to use a precreated
tar ball of static devices first and then add it's own dynamically.

Subject: Re: enter into VE 101 failed
Posted by alasad on Wed, 10 Oct 2007 06:08:39 GMT
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piavlo wrote on Tue, 09 October 2007 07:12The following will fix the problem(only until next VE start if you use udev)
vzctl exec 101 MAKEDEV ptys0

If you are using udev inside the VE, you might want to move to static /dev/ instide VE. Or you can make udev to use a precreated
tar ball of static devices first and then add it's own dynamically.

thank you

The problem is solved

Subject: Re: enter into VE 101 failed
Posted by SoftDux on Sat, 12 Apr 2008 09:45:04 GMT
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piavlo wrote on Tue, 09 October 2007 13:12The following will fix the problem(only until next VE start if you use udev)
vzctl exec 101 MAKEDEV ptys0

If you are using udev inside the VE, you might want to move to static /dev/ instide VE. Or you can make udev to use a precreated
tar ball of static devices first and then add it's own dynamically.

Hi

I'm having the same problem, but your suggestion doesn't work for me:

[root@gandalf ~]# vzctl exec 1001 MAKEDEV ptys0

```
[root@gandalf ~]# vzctl restart 1001
Restarting VE
Stopping VE ...
VE was stopped
VE is unmounted
Starting VE ...
VE is mounted
Setting CPU units: 1000
Configure meminfo: 256000
File resolv.conf was modified
VE start in progress...
[root@gandalf ~]# vzctl enter 1001
enter into VE 1001 failed
Unable to open pty: No such file or directory
```

Here's the other relevant info:

```
[root@gandalf ~]# uname -a
Linux 2.6.18-53.1.13.el5.028stab053.10 #1 SMP Tue Apr 1 14:58:47 MSD 2008 i686 i686 i386
GNU/Linux
[root@gandalf ~]# cat /proc/user_beancounters
Version: 2.5
      uid  resource          held    maxheld    barrier      limit    failcnt
    1001:  kmemsize        4366099    5305437   11055923   11377049          0
           lockedpages          0          0        256        256          0
           privvmpages      84995      96096     256000     262140          0
           shmpages            16        672      21504      21504          0
           dummy                0          0          0          0          0
           numproc             67         83        240        240          0
           physspages       40897      47793          0 2147483647          0
           vmguarpages          0          0     131072 2147483647          0
           oomguarpages     40897      47793      26112 2147483647          0
           numtcpsock          29         32        360        360          0
           numflock             9         14        188        206          0
           numpty               0          0         16         16          0
           numsiginfo           0         23        256        256          0
           tcpsndbuf       205712     224248    1720320    2703360          0
           tcprcvbuf       212992     225844    1720320    2703360          0
           othersockbuf     37312      44720    1126080    2097152          0
           dgramrcvbuf          0      21232     262144     262144          0
           numothersock        29         35        360        360          0
           dcachesize           0          0    3409920    3624960          0
           numfile           1717       1968       9312       9312          0
           dummy                0          0          0          0          0
```

```
      dummy              0        0        0        0        0
      dummy              0        0        0        0        0
      numiptent        102      128      128      128        9
123:  kmemsize       5960825 10095496 25505024 25505024        0
      lockedpages        0        0       32       32        0
      privvmpages   133986   168152   262144   524288        0
      shmpages          95       96     8192     8192        0
      dummy              0        0        0        0        0
      numproc           81      138      465      465        0
      physspages     82445   113572        0 2147483647        0
      vmguarpages        0        0   262144 2147483647        0
      oomguarpages   82449   113575   131072 2147483647        0
      numtcpsock        34       68      160      160        0
      numflock           9       19      100      110        0
      numpty             0        1       16       16        0
      numsiginfo         0        7      256      256        0
      tcpsndbuf       8296   404904   406900   409600       42
      tcprcvbuf          0   117320   406900   409600        0
      othersockbuf   41784   140672   132096   336896    87547
      dgramrcvbuf        0    15756   132096   336896        0
      numothersock      35       69       80       80        0
      dcachesize         0        0  3293184  3293184        0
      numfile         2314     3017     8192     8192        0
      dummy              0        0        0        0        0
      dummy              0        0        0        0        0
      dummy              0        0        0        0        0
      numiptent         33       33      128      128        0
 0:  kmemsize      12667091 16810793 2147483647 2147483647        0
      lockedpages        0        0 2147483647 2147483647        0
      privvmpages   174493   250775 2147483647 2147483647        0
      shmpages        3903     4032 2147483647 2147483647        0
      dummy              0        0 2147483647 2147483647        0
      numproc          203      263 2147483647 2147483647        0
      physspages     78235   105286 2147483647 2147483647        0
      vmguarpages        0        0 2147483647 2147483647        0
      oomguarpages   78411   105286 2147483647 2147483647        0
      numtcpsock        54       88 2147483647 2147483647        0
      numflock           9       18 2147483647 2147483647        0
      numpty             2        3 2147483647 2147483647        0
      numsiginfo         1        6 2147483647 2147483647        0
      tcpsndbuf     606968  1257032 2147483647 2147483647        0
      tcprcvbuf     884736  1828212 2147483647 2147483647        0
      othersockbuf  146176   810104 2147483647 2147483647        0
      dgramrcvbuf        0   426624 2147483647 2147483647        0
      numothersock     137      160 2147483647 2147483647        0
      dcachesize         0        0 2147483647 2147483647        0
      numfile         7275     8643 2147483647 2147483647        0
      dummy              0        0 2147483647 2147483647        0
```

```
        dummy               0        0 2147483647 2147483647        0
        dummy               0        0 2147483647 2147483647        0
        numiptent         226      234 2147483647 2147483647        0
[root@gandalf ~]# cat /proc/mounts
/dev/root / ext3 rw,data=ordered,usrquota 0 0
/dev /dev tmpfs rw 0 0
/proc /proc proc rw 0 0
/sys /sys sysfs rw 0 0
/proc/bus/usb /proc/bus/usb usbfs rw 0 0
devpts /dev/pts devpts rw 0 0
/dev/sda1 /boot ext3 rw,data=ordered 0 0
tmpfs /dev/shm tmpfs rw 0 0
/dev/sdb1 /vz ext3 rw,data=ordered 0 0
none /proc/sys/fs/binfmt_misc binfmt_misc rw 0 0
/dev/loop0 /tmp ext3 rw,nosuid,noexec,data=ordered 0 0
/dev/loop0 /var/tmp ext3 rw,nosuid,noexec,data=ordered 0 0
/proc /var/named/chroot/proc proc rw 0 0
/dev/root /var/named/chroot/var/run/dbus ext3 rw,data=ordered,usrquota 0 0
sunrpc /var/lib/nfs/rpc_pipefs rpc_pipefs rw 0 0
/etc/auto.misc /misc autofs rw,fd=6,pgrp=6974,timeout=300,minproto=5,maxproto=5,indirect 0 0
-hosts /net autofs rw,fd=11,pgrp=6974,timeout=300,minproto=5,maxproto=5,indirect 0 0
/vz/private/123 /vz/root/123 simfs rw 0 0
/proc /vz/root/123/proc proc rw 0 0
/sys /vz/root/123/sys sysfs rw 0 0
none /vz/root/123/dev tmpfs rw 0 0
none /vz/root/123/dev/pts devpts rw 0 0
/vz/private/123 /vz/root/123/var/tmp simfs rw,nosuid,noexec 0 0
/vz/private/1001 /vz/root/1001 simfs rw 0 0
/proc /vz/root/1001/proc proc rw 0 0
/sys /vz/root/1001/sys sysfs rw 0 0
none /vz/root/1001/dev tmpfs rw 0 0
none /vz/root/1001/dev/pts devpts rw 0 0
/vz/private/1001 (deleted)\040/vz/root/1001/var/tmp simfs rw,nosuid,noexec 0 0
```

P.S. I can enter the 123 VE without a problem

Subject: Re: enter into VE 101 failed
Posted by piavlo on Sat, 12 Apr 2008 21:05:43 GMT
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did you verify that /dev/ptys0 continues to exist after you restart the 1001 VE? What distro template are you using and what device manager is running in it?
Also does vzctl enter 1001 works just after you create the ptys0 device without restarting the VE?

Subject: Re: enter into VE 101 failed
Posted by mastersherin on Fri, 16 May 2008 08:52:37 GMT
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Hello,

Fix here : http://www.sherin.in/index.php/2008/05/15/unable-to-open-pty
-no-such-file-or-directory/

Thank you

Subject: Re: enter into VE 101 failed
Posted by SoftDux on Tue, 10 Jun 2008 14:13:08 GMT
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mastersherin wrote on Fri, 16 May 2008 10:52Hello,

Fix here : http://www.sherin.in/index.php/2008/05/15/unable-to-open-pty
-no-such-file-or-directory/

Thank you
Thank you, it's fixed now

Subject: Re: enter into VE 101 failed
Posted by ittec on Fri, 22 Aug 2008 11:29:19 GMT
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Hi

i have same issue. Is first time that i see this. Never happen before.
i followed steps wrote on forum

vzctl exec 101 /sbin/MAKEDEV tty
vzctl exec 101 /sbin/MAKEDEV pty
vzctl enter 101

then i can enter normally but if i restart container the problem appears again

Unable to open pty: No such file or directory

What can i do? and why does it happens? Kernel 2.6.18-92.1.1.el5.028stab057.2PAE using centos-5-i386-minimal. I build a debian container before and all works well

Thanks

Subject: Re: enter into VE 101 failed
Posted by maratrus on Fri, 22 Aug 2008 14:48:32 GMT
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Hello,

this could happen if you have udev installed inside your CT.
Please, look at our wiki page, hope it'll shed the light on your problem.
http://wiki.openvz.org/Container_enter_failed

Subject: Re: enter into VE 101 failed
Posted by ittec on Fri, 09 Jan 2009 10:53:02 GMT
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Hi Maratrus

yes, worked finally. But I don't know the source of the problem.

Why this issue didn't happen in older kernels? Is a issue of update kernel or a update rpm in VE (udev package)?

Thanks!!!

Subject: Re: enter into VE 101 failed
Posted by maratrus on Fri, 09 Jan 2009 11:02:49 GMT
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Hello,

the reason is udev package inside VE.
Creating pty,tty devices is only affected
the current VE being. Udev doesn't know anything
about that devices. It creates files according to own rules.
So, we have to tell udev to make that devices.

Subject: Re: enter into VE 101 failed
Posted by ittec on Fri, 09 Jan 2009 11:21:13 GMT
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Thanks Maratrus!

Subject: Re: enter into VE 101 failed

Posted by narcisgarcia on Sat, 21 Aug 2010 19:40:20 GMT
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These instructions have solved me the same problem in different situations and different host/container versions:
sudo vzctl start 101
sudo vzctl exec 101 "cd /dev; /sbin/MAKEDEV pty"
sudo vzctl exec 101 "cd /dev; /sbin/MAKEDEV tty"
sudo vzctl exec 101 "update-rc.d -f udev remove"
sudo vzctl stop 101
sudo vzctl start 101