
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	0
	lockedpages	0	0	4341	4341	0	
	privvmpages	130322	215733	621679	683846	0	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	0
	oomguarpages	76190	153603	621679	2147483647	0	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/ inside 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/ inside 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/ inside 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	
physpages	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	
physpages	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
physpages	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
```
