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Subject: Unable to open pty: No such file or directory | Centos 7 VPS cotainers  
Posted by [victorw](#) on Sat, 12 May 2018 05:18:40 GMT

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Hey all,

We are facing the following issue with few of our Centos 7 VPS containers on our OpenVZ nodes.

The main point is it is only happening for Centos 7 virtual servers on the node, rest Centos 6 and 5 containers are working fine without any issues on the same OpenVZ nodes.

```
Node002 # vzctl enter 300
enter into CT 300 failed
Unable to open pty: No such file or directory
```

```
Node002 # vzctl exec 300 cat /etc/redhat-release
CentOS Linux release 7.5.1804 (Core)
```

Other details like:

```
Node002 # uname -r
2.6.32-042stab104.1
~
Node002 # vzctl --version
vzctl version 4.5.1
```

I tried the following fix already.

```
Node002 # vzctl exec 300 /sbin/MAKEDEV tty
/bin/bash: /sbin/MAKEDEV: No such file or directory
~
Node002 # vzctl exec 300 /sbin/MAKEDEV pty
/bin/bash: /sbin/MAKEDEV: No such file or directory
```

But no luck, seems MAKEDEV not present for Centos7 containers, the same is present for Cento6.

Centos6 VPS:

```
Node002 # cat /vz/private/298/etc/redhat-release
CentOS release 6.9 (Final)
~
Node002 # ll /vz/private/298/sbin/MAKEDEV
-rwxr-xr-x 1 root root 24376 Nov 10 2010 /vz/private/298/sbin/MAKEDEV
```

Centos7 VPS:

```
Node002 # cat /vz/private/300/etc/redhat-release
```

CentOS Linux release 7.5.1804 (Core)

~

Node002 # ll /vz/private/300/sbin/MAKEDEV

ls: cannot access /vz/private/300/sbin/MAKEDEV: No such file or directory

Could you advise what needs to be done here to fix these Centos 7 containers?.

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Subject: Re: Unable to open pty: No such file or directory | Centos 7 VPS cotainers  
Posted by [vaverin](#) on Mon, 14 May 2018 05:38:03 GMT

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On my test node vzctl enter into centos7.5 container works correctly, it though uses /dev/pts/0.  
On my container /dev/ is tmpfs partition, and most part of devices are created automatically by udev, i.e. /sbin/MAKEDEV is not required here.

Also I would note that 042stab104.1 kernel is quite old, it was released 3+ years ago, 29-Jan-2015.

I would like advice you to update kernel on your node, probably it fixes the problem.

Thank you,  
Vasily Averin

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Subject: Re: Unable to open pty: No such file or directory | Centos 7 VPS cotainers  
Posted by [vmvmvm](#) on Mon, 23 Mar 2020 19:52:15 GMT

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any update on this?

I have had the same problem today with a Centos7 container. Tried to inter it and "Unable to open pty: No such file or directory" but as mentioned Centos 7 does not have /sbin/MAKEDEV

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Subject: Re: Unable to open pty: No such file or directory | Centos 7 VPS cotainers  
Posted by [vmvmvm](#) on Wed, 01 Apr 2020 17:52:22 GMT

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If anyone has fix for this it would be much appreciate. The fix for pre-centos 7 is easy to find. If you can offer a fix for Centos 7 you'll really be helping out the community!

Subject: Re: Unable to open pty: No such file or directory | Centos 7 VPS cotainers  
Posted by [vmvmvm](#) on Wed, 15 Apr 2020 16:29:25 GMT  
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Here is the fix:

on the hostnode:

```
vzctl exec VEID mount devpts /dev/pts -t devpts
```

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