Subject: Unable to open pty: No such file or directory
Posted by disaster on Tue, 12 Dec 2006 12:42:55 GMT
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Hello!

I've an VPS which worked since a few month... since today i always receive: "Unable to open pty: No such file or directory"

I've also reinstalled the ubuntu template but it does not work always the same failure.

The funny thing is - if i create a new VPS the template works.

Kernel: 2.6.18 028test007.1
vzctl: 3.0.13-1

Stefan

Log:

vzctl enter 185
enter into VE 185 failed
Unable to open pty: No such file or directory

strace vzctl enter 185

execve("/usr/sbin/vzctl", ["vzctl", "enter", "185"], [/* 16 vars */]) = 0
uname({sys="Linux", node="host-246-han", ...}) = 0
brk(0) = 0x509000
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) = 0x2b8f522c9000
access("/etc/ld.so.nohwcap", F_OK) = -1 ENOENT (No such file or directory)
open("/etc/ld.so.preload", O_RDONLY) = -1 ENOENT (No such file or directory)
open("/usr/lib/vzctl/lib/tls/x86_64/libvzctl.so.0.0.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat("/usr/lib/vzctl/lib/tls/x86_64", 0x7fff587f1a60) = -1 ENOENT (No such file or directory)
open("/usr/lib/vzctl/lib/tls/libvzctl.so.0.0.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat("/usr/lib/vzctl/lib/tls", 0x7fff587f1a60) = -1 ENOENT (No such file or directory)
open("/usr/lib/vzctl/lib/x86_64/libvzctl.so.0.0.2", O_RDONLY) = -1 ENOENT (No such file or directory)
stat("/usr/lib/vzctl/lib/x86_64", 0x7fff587f1a60) = -1 ENOENT (No such file or directory)
open("/usr/lib/vzctl/lib/libvzctl.so.0.0.2", O_RDONLY) = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\300w\0\0"..., 640) = 640
fstat(3, {st_mode=S_IFREG|0755, st_size=743104, ...}) = 0
mmap(NULL, 1220008, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0x2b8f523cb000
mprotect(0x2b8f523f1000, 1064360, PROT_NONE) = 0
mmap(0x2b8f524cb000, 172032, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED, 3,

```
0) = 0x2b8f524cb000
close(3)                                = 0
open("/usr/lib/vzctl/lib/libdl.so.2", O_RDONLY) = -1 ENOENT (No such file or directory)
open("/etc/ld.so.cache", O_RDONLY)      = 3
fstat(3, {st_mode=S_IFREG|0644, st_size=32168, ...}) = 0
mmap(NULL, 32168, PROT_READ, MAP_PRIVATE, 3, 0) = 0x2b8f524f5000
close(3)                                = 0
access("/etc/ld.so.nohwcap", F_OK)      = -1 ENOENT (No such file or directory)
open("/lib/libdl.so.2", O_RDONLY)       = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\0\36\0\0"..., 640) = 640
fstat(3, {st_mode=S_IFREG|0644, st_size=12072, ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2b8f524fd000
mmap(NULL, 1058728, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0x2b8f524fe000
mprotect(0x2b8f52501000, 1046440, PROT_NONE) = 0
mmap(0x2b8f525fe000, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED, 3, 0)
= 0x2b8f525fe000
close(3)                                = 0
open("/usr/lib/vzctl/lib/libutil.so.1", O_RDONLY) = -1 ENOENT (No such file or directory)
access("/etc/ld.so.nohwcap", F_OK)      = -1 ENOENT (No such file or directory)
open("/lib/libutil.so.1", O_RDONLY)     = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0@\24\0\0"..., 640) = 640
fstat(3, {st_mode=S_IFREG|0644, st_size=11344, ...}) = 0
mmap(NULL, 1057944, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0x2b8f52601000
mprotect(0x2b8f52603000, 1049752, PROT_NONE) = 0
mmap(0x2b8f52701000, 12288, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED, 3, 0)
= 0x2b8f52701000
close(3)                                = 0
open("/usr/lib/vzctl/lib/libc.so.6", O_RDONLY) = -1 ENOENT (No such file or directory)
access("/etc/ld.so.nohwcap", F_OK)      = -1 ENOENT (No such file or directory)
open("/lib/libc.so.6", O_RDONLY)        = 3
read(3, "\177ELF\2\1\1\0\0\0\0\0\0\0\0\0\3\0>\0\1\0\0\0\340\324"..., 640) = 640
fstat(3, {st_mode=S_IFREG|0755, st_size=1295328, ...}) = 0
mmap(NULL, 2354760, PROT_READ|PROT_EXEC, MAP_PRIVATE, 3, 0) = 0x2b8f52704000
mprotect(0x2b8f52826000, 1166920, PROT_NONE) = 0
mmap(0x2b8f52904000, 241664, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_FIXED, 3,
0x100000) = 0x2b8f52904000
mmap(0x2b8f5293f000, 15944, PROT_READ|PROT_WRITE,
MAP_PRIVATE|MAP_FIXED|MAP_ANONYMOUS, -1, 0) = 0x2b8f5293f000
close(3)                                = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2b8f52943000
arch_prctl(0x1002, 0x2b8f52943760)      = 0
munmap(0x2b8f524f5000, 32168)           = 0
brk(0)                                  = 0x509000
brk(0x52a000)                           = 0x52a000
brk(0)                                  = 0x52a000
rt_sigaction(SIGPIPE, {SIG_IGN}, NULL, 8) = 0
```

```
open("/etc/vz/vz.conf", O_RDONLY)       = 3
stat("/etc/vz/vz.conf", {st_mode=S_IFREG|0644, st_size=699, ...}) = 0
fstat(3, {st_mode=S_IFREG|0644, st_size=699, ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2b8f524f5000
read(3, "## Global parameters\nVIRTUOZZO=y"..., 4096) = 699
read(3, "", 4096)                       = 0
close(3)                                = 0
munmap(0x2b8f524f5000, 4096)            = 0
open("/var/log/vzctl.log", O_WRONLY|O_APPEND|O_CREAT, 0666) = 3
fstat(3, {st_mode=S_IFREG|0644, st_size=768950, ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2b8f524f5000
fstat(3, {st_mode=S_IFREG|0644, st_size=768950, ...}) = 0
lseek(3, 768950, SEEK_SET)              = 768950
stat("/etc/vz/conf/185.conf", {st_mode=S_IFREG|0644, st_size=2026, ...}) = 0
open("/etc/vz/conf/185.conf", O_RDONLY) = 4
stat("/etc/vz/conf/185.conf", {st_mode=S_IFREG|0644, st_size=2026, ...}) = 0
fstat(4, {st_mode=S_IFREG|0644, st_size=2026, ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2b8f524f6000
read(4, "#  Copyright (C) 2000-2006 SWsof"..., 4096) = 2026
read(4, "", 4096)                       = 0
close(4)                                = 0
munmap(0x2b8f524f6000, 4096)            = 0
fcntl(0, F_GETFL)                       = 0x8002 (flags O_RDWR|O_LARGEFILE|0x8000)
fcntl(1, F_GETFL)                       = 0x8002 (flags O_RDWR|O_LARGEFILE|0x8000)
fcntl(2, F_GETFL)                       = 0x8002 (flags O_RDWR|O_LARGEFILE|0x8000)
open("/dev/vzctl", O_RDWR)              = 4
ioctl(4, 0x400c2e05, 0x7fff587f1e20)    = 0
close(3)                                = 0
munmap(0x2b8f524f5000, 4096)            = 0
ioctl(4, 0x400c2e05, 0x7fff587f1de0)    = 0
pipe([3, 5])                            = 0
pipe([6, 7])                            = 0
pipe([8, 9])                            = 0
syscall_501(0xb9, 0x50a1f0, 0xffffffffffffffff, 0, 0x20, 0x20, 0, 0, 0
```

```
readv(10, [{"", 0}, {"root\0x\0", 7}], 2) = 7
read(10, NULL, 0)                       = 0
close(10)                               = 0
rt_sigaction(SIGCHLD, {0x405b58, [], SA_NOCLDSTOP|0x4000000}, NULL, 8) = 0
rt_sigaction(SIGPIPE, {SIG_IGN}, NULL, 8) = 0
clone(child_stack=0, flags=CLONE_CHILD_CLEARTID|CLONE_CHILD_SETTID|SIGCHLD,
child_tidptr=0x2b8f529437f0) = 770
close(3)                                = 0
close(7)                                = 0
close(9)                                = 0
read(8, "\377\377\377\377", 4)          = 4
fstat(1, {st_mode=S_IFCHR|0600, st_rdev=makedev(136, 0), ...}) = 0
mmap(NULL, 4096, PROT_READ|PROT_WRITE, MAP_PRIVATE|MAP_ANONYMOUS, -1, 0) =
0x2b8f524f5000
write(1, "enter into VE 185 failed\n", 25enter into VE 185 failed
) = 25
fcntl(6, F_GETFL)                       = 0 (flags O_RDONLY|O_LARGEFILE)
fcntl(6, F_SETFL, O_RDONLY|O_NONBLOCK)  = 0
--- SIGCHLD (Child exited) @ 0 (0) ---
rt_sigreturn(0x11)                      = 0
read(6, "Unable to open pty: No such file"..., 10239) = 46
write(1, "Unable to open pty: No such file"..., 46Unable to open pty: No such file or directory
) = 46
read(6, "", 10239)                      = 0
wait4(770, [{WIFEXITED(s) && WEXITSTATUS(s) == 255}], 0, NULL) = 770
close(5)                                = 0
close(6)                                = 0
close(4)                                = 0
munmap(0x2b8f524f5000, 4096)            = 0
exit_group(0xff00, 0xff00, 0x2b8f52926cc0, 0x2b8f52940e08, 0x2b8f52943760 <unfinished ... exit
status 0>
```

Subject: Re: Unable to open pty: No such file or directory
Posted by dim on Tue, 12 Dec 2006 13:33:10 GMT

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I don't understand, what do you mean under:
disaster wrote on Tue, 12 December 2006 07:42
I've also reinstalled the ubuntu template but it does not work always the same failure.

OpenVZ template is used only when VE is created. After VE is created, external package management operates with VE, not it's template.

Quote:
The funny thing is - if i create a new VPS the template works.

Above states, that template was not updated, while VE was.

So, I think the issue is that you updated udev in VE and this udev version doesn't work over our kernel.
So, please, could you check is it true? Just check two udev versions, in broken VE and in a new one.

Subject: Re: Unable to open pty: No such file or directory
Posted by disaster on Tue, 12 Dec 2006 13:52:03 GMT
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Sorry - you misunderstand me

I've done the following on the not working VPS:
vzctl stop $vpsoschange{vpsid}
vzctl umount $vpsoschange{vpsid}

vzctl destroy $vpsoschange{vpsid}

vzctl create $vpsoschange{vpsid} --ostemplate $template

and it does'nt work...

Subject: Re: Unable to open pty: No such file or directory
Posted by dim on Tue, 12 Dec 2006 14:09:45 GMT
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`vzctl destroy VEID` should completely remove VE-related files, so, the followed `vzctl create VEID --ostemplate ...` should be equal to the creation of new one. I'm wonder, how is it possible to have issues in the first case and don't have them in the second.

So, I recommend you to destroy erroneous VE and check, do you have it's ID somewhere in /proc/mounts, /proc/user_beancounters or on the filesystem.

Subject: Re: Unable to open pty: No such file or directory
Posted by disaster on Tue, 12 Dec 2006 18:03:33 GMT
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Hello!

I've destroyed it and it is not visible in any /proc file. But if i recreate it, the template does not work. If i use a new VID it works again.

PS: udev nor other things was updated in the VPS.

I've had the same problem with another VPS a few days ago with the debian VPS - but the error message was:
cannot open /dev/.

So i think it must be a bug in 007 kernel...

Subject: Re: Unable to open pty: No such file or directory
Posted by dim on Wed, 13 Dec 2006 08:55:08 GMT
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Could you give us access to the node?
If so, send credentials via PM.

Subject: Re: Unable to open pty: No such file or directory
Posted by disaster on Wed, 13 Dec 2006 09:42:39 GMT
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Sorry that is not possible I've posted some more Details in Bugzilla
http://bugzilla.openvz.org/show_bug.cgi?id=398

Subject: Re: Unable to open pty: No such file or directory
Posted by disaster on Wed, 13 Dec 2006 21:25:20 GMT
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But perhaps i can do some tests which help...

Subject: Re: Unable to open pty: No such file or directory
Posted by vzadmin on Sun, 07 Dec 2008 01:21:48 GMT
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Error:
vzctl enter VEID

enter into VE VEID failed
Unable to open pty: No such file or directory

Here's the Fix:

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

To Fix this issue permanently:

1. Edit the file /etc/rc.sysinit of the VPS server

2. Comment the line
#/sbin/start_udev

3. Add the following lines after /sbin/start_udev:

/sbin/MAKEDEV tty
/sbin/MAKEDEV pty

4. Reboot your VPS
vzctl restart VEID

Subject: Re: Unable to open pty: No such file or directory
Posted by silenkov on Mon, 15 Dec 2008 11:28:18 GMT
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Ubuntu 8.04
vzctl exec VEID /sbin/MAKEDEV pty
vzctl exec VEID /sbin/MAKEDEV tty

theese commands make links to devices on / directory instead of /dev/

may be
vzctl exec VEID /sbin/MAKEDEV /dev/pty
vzctl exec VEID /sbin/MAKEDEV /dev/tty
?

On our installation we successfully fixed this error simply by executing
apt-get remove --purge udev
without creating any device by MAKEDEV.

What is the purpose of tihs package inside VE?

Subject: Re: Unable to open pty: No such file or directory
Posted by Pilat on Mon, 22 Dec 2008 15:36:21 GMT
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Quote:Here's the Fix:

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

It`s don`t work in ubuntu

Ubuntu 9.04
vzctl exec 3333 '/sbin/MAKEDEV /pty'
/sbin/MAKEDEV: warning: can't read /proc/devices
/sbin/MAKEDEV: don't know how to make device "/pty"

Quote:
On our installation we successfully fixed this error simply by executing
apt-get remove --purge udev
without creating any device by MAKEDEV.

FIX
vzctl exec 3333 'dpkg --force-depends --purge udev'

After entering in VE for resolve depends you may install udev and disable boot scripts in sysv - udev & udev-finish.

Subject: Re: Unable to open pty: No such file or directory
Posted by vzadmin on Wed, 24 Dec 2008 02:27:29 GMT
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Here's one more fix

vzctl exec veid update-rc.d -f udev remove
vzctl restart veid

Subject: Re: Unable to open pty: No such file or directory
Posted by bereket on Fri, 26 Aug 2011 14:47:36 GMT
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i had similar problem. run the following commands on host node

you need to replace only <CTID> with the container id and make the .../etc/devices and .../dev if the don't exit
if your virtual machines are installed in /vz/privae/
/sbin/MAKEDEV -d /vz/private/<CTID>/dev -x {p,t}ty{a,p}{0,1,2,3,4,5,6,7,8,9,a,b,c,d,e,f} console core full kmem kmsg mem null port ptmx random urandom zero ram0
/sbin/MAKEDEV -d /vz/private/<CTID>/etc/devices -x {p,t}ty{a,p}{0,1,2,3,4,5,6,7,8,9,a,b,c,d,e,f} console core full kmem kmsg mem null port ptmx random urandom zero ram0

but if your virtual machines are installed in /var/lib/vz/privae/
/sbin/MAKEDEV -d /var/lib/vz/private/<CTID>/dev -x {p,t}ty{a,p}{0,1,2,3,4,5,6,7,8,9,a,b,c,d,e,f} console core full kmem kmsg mem null port ptmx random urandom zero ram0
/sbin/MAKEDEV -d /var/lib/vz/private/<CTID>/etc/devices -x {p,t}ty{a,p}{0,1,2,3,4,5,6,7,8,9,a,b,c,d,e,f} console core full kmem kmsg mem null port ptmx random urandom zero ram0

let me know if it works for you. it worked for me

Subject: Re: Unable to open pty: No such file or directory
Posted by votsalo on Fri, 23 Dec 2011 21:04:33 GMT
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I ran into the pty problem when I tried to create a container from a template that I had created from a git repository, using git export. I wanted to use git to keep track of my unpacked templates, but apparently git does not handle device files. So I recreated my template using tar on my stopped template container, and I was able to use it to create other containers.
