
Subject: *SOLVED* getcwd dows not work on vps after chroot

Posted by [disaster](#) on Tue, 25 Jul 2006 17:54:46 GMT

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Hello!

I've a little C Script which works perfectly with Kernel from 2.4 - 2.6.17.x on every normal system.

On a VPS getcwd returns always NULL.

Here is some code - like the script works:

```
chroot("/home");
```

```
getcwd(cwd, MAX_LENGTH);
```

on the a normal hardware server getcwd works korrekt - on a VPS (same installation / same image) it always returns NULL and cwd is empty.

Stefan

Subject: Re: getcwd dows not work on vps after chroot

Posted by [Vasily Tarasov](#) on Wed, 26 Jul 2006 06:13:07 GMT

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1. To use chroot inside VPS you must grant this capability to VE:
vzctl set 200 --capability sys_chroot:on --save

2. However your "testcase" doesn't work even on the host node.
So it seems to be a bug. I've posted it in bugzilla:
http://bugzilla.openvz.org/show_bug.cgi?id=209
Thanks for report!

Subject: Re: getcwd dows not work on vps after chroot

Posted by [disaster](#) on Wed, 26 Jul 2006 07:44:47 GMT

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Hi!

I stopped the VPS, turned sys_chroot on and started the vps again. But the Script still does not work.

It works perfectly if i do:

```
chroot("/home");
```

```
chdir("/ABC");  
getcwd(cwd, MAX_LENGTH);
```

but without chdir it does not work on a VPS.

So thanks for the bug report.

Subject: Re: getcwd dows not work on vps after chroot
Posted by [Vasily Tarasov](#) on Wed, 26 Jul 2006 14:09:50 GMT
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This isn't a bug.

In OpenVZ such scenario is deliberately prohibited for security reasons: isolation of VEs.

This is rather mainstream BUG and the decent patch will be sent to kernel.org soon.

One more thing is that such scenario is questionable: you don't get consistent information from getcwd after chroot.

Subject: Re: getcwd dows not work on vps after chroot
Posted by [disaster](#) on Wed, 26 Jul 2006 15:57:45 GMT
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Mhm you're right - but it works normally So i've not modified the script.
