
Subject: problem run shell script by vzctl exec
Posted by [hhdng](#) on Fri, 02 Nov 2007 03:42:32 GMT
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Hash: SHA1

what's the problem?

```
server3:~# vzctl exec 180 cat hi.sh
#!/bin/bash
```

```
echo $HOME
```

```
server3:~# vzctl exec 180 hi.sh
```

```
/
```

```
server3:~# vzctl exec 180 echo $HOME
/root
```

```
server3:~# aptitude show vzctl
```

```
Package: vzctl
```

```
State: installed
```

```
Automatically installed: yes
```

```
Version: 3.0.18-1
```

```
Priority: optional
```

```
Section: admin
```

```
Maintainer: Ola Lundqvist <opal@debian.org <mailto:opal@debian.org>>
```

```
Uncompressed Size: 872k
```

```
Depends: libc6 (>= 2.3.6-6), iproute, vzquota
```

```
Recommends: rsync
```

```
Suggests: kernel-patch-openvz
```

```
.....
```

```
server3:~# uname -a
```

```
Linux server3 2.6.18-028stab045 #11 Wed Oct 10 13:28:22 CST 2007 i686
```

```
GNU/Linux
```

```
server3:~#
```

```
-----BEGIN PGP SIGNATURE-----
```

```
Version: GnuPG v1.4.7 (MingW32)
```

```
iD8DBQFHKpyoJo9Njjkvy34RAscYAKCATCPihKg3wXmOYRGCbKB/Ha++OwCeM2cL
```

```
sAf+xxn1ga2Mynj+rfeCsnQ=
```

```
=0ABA
```

```
-----END PGP SIGNATURE-----
```

Subject: Re: problem run shell script by vzctl exec
Posted by [Drake Wilson](#) on Fri, 02 Nov 2007 05:50:27 GMT

```
Quoth "hhding.gnu" <hhding.gnu@gmail.com>, on 2007-11-02 11:42:32 +0800:
> what's the problem?
>
> server3:~# vzctl exec 180 cat hi.sh
> #!/bin/bash
>
> echo $HOME
> server3:~# vzctl exec 180 hi.sh
> /
```

Subprocess for bash starts running inside VE 180, begins executing hi.sh. It's got a different environment, and expands \$HOME into /, then echoes it to stdout.

```
> server3:~# vzctl exec 180 echo $HOME
> /root
```

`_Current_` shell expands \$HOME into /root. Subprocess for echo starts running inside VE 180, with the parameter already expanded. (vzctl doesn't even see the "\$HOME".) It is told to echo "/root" to stdout, so it does.

Does that sound about right?

---> Drake Wilson

Subject: Re: problem run shell script by vzctl exec
Posted by [dev](#) on Fri, 02 Nov 2007 11:34:31 GMT
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yep. the actual command executed in 2nd case is:
server3:~# vzctl exec 180 echo /root

Kirill

```
On Fri, 2007-11-02 at 00:50 -0500, Drake Wilson wrote:
> Quoth "hhding.gnu" <hhding.gnu@gmail.com>, on 2007-11-02 11:42:32 +0800:
> > what's the problem?
> >
> > server3:~# vzctl exec 180 cat hi.sh
> > #!/bin/bash
> >
> > echo $HOME
> > server3:~# vzctl exec 180 hi.sh
> > /
```

>
> Subprocess for bash starts running inside VE 180, begins executing
> hi.sh. It's got a different environment, and expands \$HOME into /,
> then echoes it to stdout.
>
> > server3:~# vzctl exec 180 echo \$HOME
> > /root
>
> _Current_ shell expands \$HOME into /root. Subprocess for echo starts
> running inside VE 180, with the parameter already expanded. (vzctl
> doesn't even see the "\$HOME".) It is told to echo "/root" to stdout,
> so it does.
>
> Does that sound about right?
>
> ---> Drake Wilson
