
Subject: Container on encfs (fuse) doesn't work
Posted by [keypress](#) on Thu, 25 Nov 2010 10:16:21 GMT
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I want my CT 103 to be on encrypted filesystem. I decided to use encfs. I mount encrypted directory using this command:

```
encfs --public /vz/private/.enc_raw /vz/private/enc
```

I've tried also FUSE options like: allow_root and allow_other. And I have symbolic link "/vz/private/103" -> /vz/private/enc/103.

```
[~]# ls -l /vz/private/  
total 36  
lrwxrwxrwx 1 root root 8 Nov 10 14:52 103 -> enc/103/
```

I start the container and I can enter it using "vzctl enter". It appears, that as root I can manipulate files. But when I do "su -l user" I can read and delete existing files, but can't create new files. And this causes that e.g. postgres can't work properly. The same problems occur when I do "chroot" to the encrypted file system. When I do "chroot /vz/private/enc/103" I receive:

```
bash: /dev/null: Permission denied  
bash: /dev/null: Permission denied  
bash: /dev/null: Permission denied  
bash: /dev/null: Permission denied  
bash: /dev/null: Permission denied  
bash: /dev/null: Permission denied
```

And the same messages appear on every "su -l" or "su -l user". And the "user" also cannot create new files, but can read and delete existing ones.

What shall I do?

System Info:

```
[~]# lsb_release -a
```

LSB Version:

```
:core-3.1-amd64:core-3.1-ia32:core-3.1-noarch:graphics-3.1-amd64:graphics-3.1-ia32:graphics-3.1-noarch
```

Distributor ID: CentOS

Description: CentOS release 5.5 (Final)

Release: 5.5

Codename: Final

```
[~]# uname -a
```

```
Linux devmap.naviexpert.com 2.6.18-194.8.1.el5.028stab070.2 #1 SMP Tue Jul 6 14:55:39 MSD 2010 x86_64 x86_64 x86_64 GNU/Linux
```

```
[~]# ...
```

Installed Packages

```
ovzkernel.x86_64      2.6.18-194.8.1.el5.028stab070.2  installed  
vzctl.x86_64         3.0.24.2-1                        installed
```

vzctl-lib.x86_64	3.0.24.2-1	installed
vzpkg.noarch	2.7.0-18	installed
vzquota.x86_64	3.0.12-1	installed
vzrpm43.i386	4.3.3-7_nonptl.6	installed
vzrpm43-python.i386	4.3.3-7_nonptl.6	installed
vzrpm44.i386	4.4.1-22.5	installed
vzrpm44-python.i386	4.4.1-22.5	installed
vztmpl-centos-4.i386	2.0-2	installed
vztmpl-centos-5.i386	2.0-3	installed
vztmpl-fedora-7.i386	1.1-1	installed
vztmpl-fedora-9.i386	1.1-1	installed
vztmpl-fedora-core-3.i386	2.0-2	installed
vztmpl-fedora-core-4.i386	2.0-2	installed
vztmpl-fedora-core-5.i386	2.0-2	installed
vztmpl-fedora-core-6.i386	1.2-1	installed
vzyum.noarch	2.4.0-11	installed
...		
Installed Packages		
fuse-encfs.x86_64	1.4.1-1.el5.rf	installed

A piece of my 103.conf file:

```
OSTEMPLATE="centos-5-x86_64-default"
ORIGIN_SAMPLE="basic"
```

Subject: Re: Container on encfs (fuse) doesn't work
 Posted by [boysentot](#) on Tue, 07 Dec 2010 18:48:21 GMT
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Were you ever able to resolve this problem?

Subject: Re: Container on encfs (fuse) doesn't work
 Posted by [keypress](#) on Wed, 08 Dec 2010 08:48:59 GMT
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No, I weren't and I still cannot solve it.

Subject: Re: Container on encfs (fuse) doesn't work
 Posted by [boysentot](#) on Wed, 08 Dec 2010 17:38:41 GMT
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Try this page. It has a section on "/dev/null" which looks promising.

I haven't tried it myself.

wiki.openvz.org/Physical_to_container

Subject: Re: Container on encfs (fuse) doesn't work
Posted by [boysentot](#) on Wed, 08 Dec 2010 17:39:43 GMT

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Try this. It has a section towards the bottom on `"/dev/null"` which looks promising.

I haven't tried it myself.

wiki.openvz.org/Physical_to_container

Subject: Re: Container on encfs (fuse) doesn't work
Posted by [keypress](#) on Thu, 09 Dec 2010 10:04:39 GMT

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No, I weren't and I still cannot solve it.

Subject: Re: Container on encfs (fuse) doesn't work
Posted by [boysentot](#) on Thu, 09 Dec 2010 17:23:31 GMT

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There is a section within the OpenVZ wiki, `Physical_to_container`, which describes how to turn a physical box into a container. There is a section that deals directly with how to handle `"/dev/null"` that I believe would be of use to you. Go to `wiki . openvz . org / Physical_to_container` (sorry, I'm too new to post links) to take a look.

Subject: Re: Container on encfs (fuse) doesn't work
Posted by [keypress](#) on Wed, 12 Jan 2011 13:56:03 GMT

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Unfortunately it didn't help. Any ideas?
