
Subject: Truecrypt in OpenVZ

Posted by [RobinVossen](#) on Mon, 17 Dec 2007 08:41:46 GMT

[View Forum Message](#) <> [Reply to Message](#)

Is there a way to install a On-the-Fly-Disk-Encryption program in a OpenVZ?

Since they need Kernel stuff.. (Not sure what or why)

id really love to run TrueCrypt or ScramDisk4Linux (SD4L)

<http://www.scramdisklinux.org/>

<http://www.truecrypt.org/>

Thanks already..

Any Document or How to or whatever will be really great..

Cheers,

Robin

Subject: Re: Truecrypt in OpenVZ

Posted by [kir](#) on Mon, 17 Dec 2007 08:44:37 GMT

[View Forum Message](#) <> [Reply to Message](#)

I guess you can use CryptoFS (<http://reboot.animeirc.de/cryptofs/>) via FUSE, also makes sense to look at dm-crypt.

Subject: Re: Truecrypt in OpenVZ

Posted by [RobinVossen](#) on Mon, 17 Dec 2007 13:33:33 GMT

[View Forum Message](#) <> [Reply to Message](#)

Thanks ^^

I tried dm-crypt since I cant really use the Fuse one

But ok, Installed all.

Now I need to use it.

I did mount proc in my OpenVZ system (since it needs proc) and now I need to use /dev of the original system aswell.

is it save to mount that? And how to mount that?

Since I first have to use dm-setup to create a device so I did that and I got this:

```
1 / # dmsetup create sxb
```

```
/dev/mapper/control: open failed: Permission denied
```

```
Failure to communicate with kernel device-mapper driver.
```

```
Command failed
```

Im not sure I understand it but if I do I need:

```
dmsetup create <name>
0 <sector count> crypt <sector format> <key> <IV offset> <real device> <sector offset>
cryptsetup [<OPTIONS>] create <name> [<device>]
cryptsetup [<OPTIONS>] status <name> [<device>]
```

I hope I am right here?

I need to mount it only when the user wants to. So not when the system boots.

Cheers,
Robin

Subject: Re: Truecrypt in OpenVZ
Posted by [kir](#) on Mon, 17 Dec 2007 14:13:45 GMT
[View Forum Message](#) <> [Reply to Message](#)

You can use vzctl set --devices/--devnodes to give a VE an access to /dev/mapper/control (and other devices that it needs). Still, I'm not sure it will work, and (more important) what the security consequences could be.

Thus I recommend to give FUSE-based thing a try.

Subject: Re: Truecrypt in OpenVZ
Posted by [RobinVossen](#) on Mon, 17 Dec 2007 14:42:07 GMT
[View Forum Message](#) <> [Reply to Message](#)

Thanks a lot

Well I just cant use Fuse. Since we have some problems with that back in the past.

This looks just fine.

Only a pain to setup

Since now I got:

```
dmsetup create sxb
```

```
device-mapper: version ioctl failed: Permission denied
```

```
Command failed
```

So I guess I have to find out what that means.

Anyhow thanks a lot