
Subject: device mapper inside VE

Posted by [jeanroch](#) on Tue, 11 Jan 2011 11:12:25 GMT

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hello,

I would like to encrypt an entire disk inside a VE with cryptsetup. But I didn't manage to use device mapper.

```
[root@sauvegarde ~]# dmsetup table /dev/vgr0/sauvegarde
/proc/devices: No entry for misc found
Is device-mapper driver missing from kernel?
/dev/mapper/control: open failed: Operation not permitted
Failure to communicate with kernel device-mapper driver.
Command failed
```

/proc/devices is empty and /dev/mapper/control is already present

```
[root@sauvegarde ~]# ll /dev/mapper/
```

```
total 0
```

```
crw-r----- 1 root root 10, 59 Jan 10 23:24 control
```

I have tried to give some capability, but without success,

```
[root@storalca1 ~]# tail -2 /etc/vz/conf/48101.conf
```

```
DEVNODES="vgr0/sauvegarde:rw "
```

```
CAPABILITY="SYS_MODULE:on MKNOD:on "
```

kernel 2.6.32.25 with patch dzhanibekov (device mapper and dm-crypt are compiled in the kernel)

vzquota 3.0.12

vzctl 3.0.25

Subject: Re: device mapper inside VE

Posted by [nuno](#) on Tue, 18 Jan 2011 17:44:40 GMT

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I don't think you can do that without major hacking or giving the CT enough permissions to make it easy for someone in the CT to break free.

Subject: Re: device mapper inside VE

Posted by [jeanroch](#) on Tue, 18 Jan 2011 22:35:16 GMT

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thanks for you answer nuno

too bad that's not possible ;(

But there is nothing about it on openvz's documentation, where did you find the informations ? Did you already tryed it ?

Subject: Re: device mapper inside VE

Posted by [nuno](#) on Tue, 15 Mar 2011 08:45:01 GMT

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No, I didn't try it. But openvz's philosophy is to deny access to the hardware. Also, to use facilities provided by modules that module has to be "ported".

By the way, nothing is stopping you from making an encrypted volume in the HN and using that mount path as VE_PRIVATE's value.

In CTID.conf:

```
VE_PRIVATE="/already-mounted-encrypted-volume"
```

Regards,
