
Subject: openvz7 Add virtual disk to container
Posted by [gral](#) on Thu, 08 Feb 2018 22:14:01 GMT
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Hello, im trying to add a extra virtual disk to a container but once i've created it i cant format / mount it

I created it as follow;

```
prlctl set 1d635d9d-1e4d-4799-ba40-c11683abxxxxx --device-add hdd --iface scsi --subtype virtio-scsi
```

Seems to be attached;

```
prlctl list -i 1d635d9d-1e4d-4799-ba40-c11683axxxxx | grep hdd
  hdd0 (+) scsi:0 image='/vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/root .hdd'
type='expanded' 10240Mb mnt=/ subtype=virtio-scsi
  hdd1 (+) scsi:1 image='/vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/hard disk3.hdd'
type='expanded' 65536Mb subtype=virtio-scsi
```

But once i enter to the container to mount the hdd, i cant initialize it , i receive ;

```
root@CT2# mkfs.ext4 /dev/ploop53294
mke2fs 1.42.9 (28-Dec-2013)
/dev/ploop53294: Operation not permitted while setting up superblock
```

Is there something that i dont do it ?

Thanks!

```
# uname -a
Linux vps2.xxxxxxxxx.net 3.10.0-693.1.1.vz7.37.30 #1 SMP Wed Nov 15 20:42:09 MSK 2017
x86_64 x86_64 x86_64 GNU/Linux
```

Subject: Re: openvz7 Add virtual disk to container
Posted by [vaverin](#) on Fri, 09 Feb 2018 09:43:33 GMT
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Dear gral,

just try to mount /dev/ploop53294p1 inside container
The command creates 2nd ploop device and partition with ext4 filesystem.

```
CT-c4cd2eb2 /# mount /dev/ploop21531p1 /media/  
/dev/ploop21531p1 on /media type ext4 (rw,relatime,data=ordered,balloon_ino=12)
```

```
CT-c4cd2eb2 /# df -h  
Filesystem      Size  Used Avail Use% Mounted on  
/dev/ploop32162p1 9.8G 660M 8.6G  7% /  
...  
/dev/ploop21531p1 63G  53M 60G  1% /media
```

You still have no direct access to device inside container, its filesystem is created from host.

Thank you,
Vasily Averin

Subject: Re: openvz7 Add virtual disk to container
Posted by [gral](#) on Fri, 09 Feb 2018 16:57:38 GMT
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Hello Vasily, thanks for you reply , inside the container i received the following;

```
[root@CT2~]# mount /dev/ploop53294 /media  
mount: unknown filesystem type '(null)'
```

but as you said , i could give a filesystem from the host , and then mount it once inside the container .

Thanks!!

Subject: Re: openvz7 Add virtual disk to container
Posted by [vaverin](#) on Mon, 12 Feb 2018 07:29:12 GMT
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Dear gral,
you need to mount not whole disk but its partition

please try to use
mount /dev/ploop53294p1 /media

Subject: Re: openvz7 Add virtual disk to container
Posted by [gral](#) on Fri, 16 Feb 2018 22:58:06 GMT

Hi, i have new problems with the virtual disk .

After a reboot the CT doesnt start again; i receive:

```
# vzctl start 1d635d9d-1e4d-4799-ba40-c11683axxxxx
Starting Container ...
Mount image: /vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/root.hdd
Mount image: /vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/harddisk3.h dd
Failed to mount image: Error in ploop_mount_image (ploop.c:2401): Image
/vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/harddisk3.h dd/root.hds already used by
device /dev/ploop53294 [21]
Unmount image: /vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/root.hdd
```

If i remove the line refer to the (extra) DISK on the ve.conf the container start well.

But i cant even remove the virtual disk , trying to remove it i receive;

```
# prlctl set 1d635d9d-1e4d-4799-ba40-c11683axxxxx --device-del hdd1
Remove the hdd1 device.
Unable to commit CT configuration: PRL_ERR_VZCTL_OPERATION_FAILED (Details: Unable to
find first partition for /dev/ploop53294
)
Failed to configure the virtual machine.
```

I could remove it manually , but i wouldn't like to have this problem in a production environment , what im doing wrong ?

tried:

```
# ploop check --force /vz/private/1d635d9d-1e4d-4799-ba40-c11683xxxx/harddisk3.h
d/root.hds
Reopen rw /vz/private/1d635d9d-1e4d-4799-ba40-c11683axxxxx/harddisk3.h dd/root.hds
Error in ploop_check (check.c:580): Dirty flag is set
```

Thanks again
