
Subject: Installing CTs in their own LVM device
Posted by [syncmaster4](#) on Mon, 24 Dec 2012 00:08:06 GMT
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So sorry for this question, I know I'm missing something really simple but I'm not an LVM expert. My google-fu is not working for this issue!

How do you create a CT on it's own lvm device? I've been running openvz for years but I've always used the default file system setup, not lvm devices. I'd appreciate any guidance from some of you experts out there.

Here's what I've tried unsuccessfully.

```
lvcreate -L20G -n 101 vol_data
mkfs.ext4 /dev/vol_data/101
mkdir /vz/private/101
mount /dev/vol_data/101 /vz/private/101
```

The device is successfully created

```
[root@dhn4 ~]# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/md1        12G  1.3G  10G  12% /
tmpfs           1.9G   0  1.9G   0% /dev/shm
/dev/md0        194M  64M  121M  35% /boot
/dev/mapper/vol_data-101
                20G  172M  19G   1% /vz/private/101
```

When trying to create a CT I get the following error.

```
[root@dhn4 ~]# vzctl create 101
Private area already exists in /vz/private/101
Creation of container private area failed
```

Thanks for any insight you can provide!
-- Syncmaster4

Subject: Re: Installing CTs in their own LVM device
Posted by [syncmaster4](#) on Tue, 25 Dec 2012 23:38:22 GMT
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Unfortunately I'm still struggling with this. I did find the following information at http://www.iiitmk.ac.in/wiki/index.php/Systems/How_to_setup_a_server_with_RAID,LVM_and_Virtualization/OPENVZ_Virtualization/Issues_Faced_and_Implemented_Solution.

It's still not working but from what I understand in this article they create a separate LV for "root"

and "private", to me it makes sense to have one LV for each CT that will contain both "root" and "private", but I still haven't figured out how to make this work with LVM.

Any pointers or suggestions are appreciated!

-- Syncmaster4
