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Subject: 2 Harddisks

Posted by [dragon001](#) on Thu, 29 Jan 2009 11:40:40 GMT

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Hi,  
Here is my System Setup

Pentium III 900 MHZ  
512 MB Ram  
HDD1: 160GB  
HDD2: 10GB  
HDD3: 80GB

Partitions:  
HDD1: 150GB /srv ext3 10GB Swap  
HDD2: 10GB / ext3  
HDD3: 80 GB /mount xfs

I've got all vServers Running in the 150Gig Partition.  
I want to add the 80Gig Drive too an VPS 250 which shall be an fileserver containing samba etc.  
The Problem is, how do i add it?

Thanks for your help.

Chris

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Subject: Re: 2 Harddisks

Posted by [khorenko](#) on Thu, 29 Jan 2009 12:14:20 GMT

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Hi Chris,

please, correct me if i understood your idea wrong: you want to add an additional drive and create a Container that will reside on this drive, right?

If yes, then just mount additional drive to some directory on the Hardware Node, for example /mnt/driveX, then create a Container using additional options to vzctl: "--private" and "--root". Check "man vzctl" for details.

Hope this helps.

--  
Konstantin

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Subject: Re: 2 Harddisks

Posted by [dragon001](#) on Thu, 29 Jan 2009 12:20:13 GMT

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Ok,  
maybe I stated my Problem not good enough.

I don't want to create an VPS on an harddisk,  
i wan't to add an Harddisk Partition to an existing Virtual Enviroment.

Example:

VPS 250: Fileserver

```
/boot
...
/home
/home/iso ==> Partition 2 HDD 3
/home/audio ==> Partition 3 HDD 3
.....
```

This is what I would need.

The Harddisk was part of an older Server.

I thought of just putting an VE on the HDD, but theres not enough place left and i don't want to delete anything on the harddisk.

chris

P.S.: I hope this was clearly enough.

Sorry if I sound a little ruf, but the openvz is killing my last nerv.

(By the way, hope my english isn't to bad, I am German )

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Subject: Re: 2 Harddisks

Posted by [khorenko](#) on Thu, 29 Jan 2009 12:49:17 GMT

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Well,

the simplest way is to mount that disk on Hardware node to a directory (e.g. /data/tmp) and then bindmount /mnt to the Container.

You can automate this by per-container "mount" script:

```
# cat /etc/vz/conf/101.mount
#!/bin/bash
```

```
./etc/vz/vz.conf
```

```
mount -n -o bind /data/tmp $VE_ROOT/data/tmp
```

You can also read about --devices / --devnodes vzctl options, they allow you to get access to /dev/XXX device from inside a Container, and then just mount the device inside a Container as usual. But in this case please, first play with ext3 partitions, for xfs partition you might face some additional issues.

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Konstantin

> (By the way, hope my english isn't too bad, I am German Wink )  
i'm also not native so i bet your english is better than mine.

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Subject: Re: 2 Harddisks

Posted by [dragon001](#) on Thu, 29 Jan 2009 15:41:11 GMT

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I already tried to play around with the

--devices / --devnodes

options, but the problem I encountered was, that due to a lack, that the module directory of the kernel wasn't available in side each VPS, he couldn't handle the XFS filesystem.

To Copy the Content from one disk to another is quite a little bit nasty.  
Its almost 80 Gigs and takes a while (IDE)

Well gonna try the other solution soon

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Subject: Re: 2 Harddisks

Posted by [pmc2000](#) on Fri, 13 Feb 2009 12:21:17 GMT

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I've just added a new disk and wanted to make it available to a container to use as additional storage. This worked for me on ext3.

```
vzctl set 1000 --devnodes sdb1:rw -save
```

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