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Subject: \*SOLVED\* multiple filesystems in one VE  
Posted by [HubertD](#) on Wed, 30 Aug 2006 14:05:10 GMT  
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Just wondering...

is it possible to mount different filesystems into one VE?  
The simple approach of mounting filesystems into the VE private directory doesn't seem to work.

I configured two raids (as two LVM VGs) on my server, using different sets of disks to distribute IO load, e.g. having a mysql daemon working on one raid and storing maildirs on the other one.

Maybe such a configuration is just not the "OpenVZ way" and I should configure different VEs on different volumes for different jobs.

What surprised me is that I found no documentation concerning multiple filesystems in one VE. I guess it would be possible to export LVM devices to the VE, creating the corresponding device files in there and mounting them from inside the VE?  
But would it then be possible to access the files from the host system?

I'm just curious ;)

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Subject: Re: multiple filesystems in one VE  
Posted by [Vasily Tarasov](#) on Wed, 30 Aug 2006 14:16:52 GMT  
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mounting in /vz/root/<VEID> after VPS start works fine.

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Subject: Re: multiple filesystems in one VE  
Posted by [HubertD](#) on Wed, 30 Aug 2006 23:30:46 GMT  
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Hrmm. Doesn't seem to work for me...

```
nibbler:~# uname -a
Linux nibbler.little-isp.de 2.6.16-026test017 #2 SMP Tue Aug 29 18:24:23 CEST 2006 i686
GNU/Linux
```

```
nibbler:~# vzctl start 1002
Starting VPS ...
VPS is mounted
Setting CPU units: 1000
Setting devices
Set hostname: etch
```

VPS start in progress...

```
nibbler:~# mount /dev/backup/src /var/lib/vz/private/1002/usr/src/  
nibbler:~# ls /var/lib/vz/private/1002/usr/src/  
[... lots of directories ...]
```

```
nibbler:~# vzctl enter 1002  
entered into VPS 1002  
etch:~# ls /usr/src/  
etch:~#
```

Mounting before starting the VE won't work at all.

```
nibbler:~# mount /dev/backup/src /var/lib/vz/private/1002/usr/src/  
nibbler:~# vzctl start 1002  
Starting VPS ...  
vzquota : (error) Quota on syscall for 1002: Device or resource busy  
vzquota on failed [3]
```

Am I doing something wrong?

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Subject: Re: multiple filesystems in one VE  
Posted by [Vasily Tarasov](#) on Thu, 31 Aug 2006 05:40:08 GMT  
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Yeap, you are doing wrong!  
Instead  
nibbler:~# mount /dev/backup/src /var/lib/vz/private/1002/usr/src/  
do  
nibbler:~# mount /dev/backup/src /var/lib/vz/root/1002/usr/src/  
after VE start.

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Subject: Re: \*solved\* multiple filesystems in one VE  
Posted by [HubertD](#) on Thu, 31 Aug 2006 09:54:17 GMT  
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Okay, it works that way.  
Now I also found the section about mount/umount scripts in the docs

Thanks!