
Subject: No LVM with vzkernel in ubuntu 10.04 LTS
Posted by [hjthoeming](#) on Thu, 15 Mar 2012 16:12:54 GMT
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Hello,

i installed a box with ubuntu 10.04 LTS.

For snapshot functionality i created a logical volume like here:
[h_t_t_p://weblogs.amtex.nl/index.php/2007/10/08/using_vzdump_snapshot_to_backup_without_downtime?blog=2](http://weblogs.amtex.nl/index.php/2007/10/08/using_vzdump_snapshot_to_backup_without_downtime?blog=2)

Then i tried to install openvz under unbuntu 10.04 LTS, following this howto:
[h_t_t_p://wiki.openvz.org/Install_kernel_from_RPM_on_Ubuntu_10.04](http://wiki.openvz.org/Install_kernel_from_RPM_on_Ubuntu_10.04)

There have been some errors and warnings (please see below), but i got my .deb files an was able to install a kernel.

But now my lvm partitions are not accessable anymore:
"The disk drive for /var/lib/vz is not ready yet or not present"

The lvdisplay command shows my logical volume, but there is an error message "/proc/misc: No entry for device-mapper found. Is device-mapper driver missing from kernel?"

Did i forgot something to enable device-mapper or is it missing in vzkernel?

```
fakeroot alien --to-deb --scripts --keep-version vz*.rpm
```

```
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
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warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
error: incorrect format: unknown tag
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzctl-3.0.30.2-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
```

Page 2 of 6 ---- Generated from OpenVZ Forum

warning: vzkernel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
vzkernel_2.6.32-042stab049.6_amd64.deb generated
warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
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warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
error: incorrect format: unknown tag
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warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
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warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzkernel-devel-2.6.32-042stab049.6.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
vzkernel-devel_2.6.32-042stab049.6_amd64.deb generated
warning: vzquota-3.0.12-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6

warning: vzquota-3.0.12-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
warning: vzquota-3.0.12-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
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warning: vzquota-3.0.12-1.x86_64.rpm: Header V3 DSA signature: NOKEY, key ID a7a1d4b6
vzquota_3.0.12-1_amd64.deb generated

root@openvz:~/openvz_rpm# dpkg -i vz*.deb

(Lese Datenbank ... 81888 Dateien und Verzeichnisse sind derzeit installiert.)
Vorbereiten zum Ersetzen von vzctl 3.0.30.2-1 (durch vzctl_3.0.30.2-1_amd64.deb) ...
Entpacke Ersatz für vzctl ...
Vorbereiten zum Ersetzen von vzctl-lib 3.0.30.2-1 (durch vzctl-lib_3.0.30.2-1_amd64.deb) ...
Entpacke Ersatz für vzctl-lib ...
Vorbereiten zum Ersetzen von vzkernel 2.6.32-042stab049.6 (durch
vzkernel_2.6.32-042stab049.6_amd64.deb)

...
update-initramfs: Deleting /boot/initrd.img-2.6.32-042stab049.6
Entpacke Ersatz für vzkernel ...
Generating grub.cfg ...
Found linux image: /boot/vmlinuz-2.6.32-39-server
Found initrd image: /boot/initrd.img-2.6.32-39-server
Found linux image: /boot/vmlinuz-2.6.32-28-server
Found initrd image: /boot/initrd.img-2.6.32-28-server
Found linux image: /boot/vmlinuz-2.6.32-042stab049.6
Found memtest86+ image: /memtest86+.bin
done
Vorbereiten zum Ersetzen von vzkernel-devel 2.6.32-042stab049.6 (durch

vzkernel-devel_2.6.32-042stab049.6_amd64.deb) ...
Entpacke Ersatz für vzkernel-devel ...
Vorbereiten zum Ersetzen von vzquota 3.0.12-1 (durch vzquota_3.0.12-1_amd64.deb) ...

Entpacke Ersatz für vzquota ...

Richte vzctl ein (3.0.30.2-1) ...

Richte vzctl-lib ein (3.0.30.2-1) ...

Richte vzkernel ein (2.6.32-042stab049.6) ...

update-initramfs: Generating /boot/initrd.img-2.6.32-042stab049.6

Generating grub.cfg ...

Found linux image: /boot/vmlinuz-2.6.32-39-server

Found initrd image: /boot/initrd.img-2.6.32-39-server

Found linux image: /boot/vmlinuz-2.6.32-28-server

Found initrd image: /boot/initrd.img-2.6.32-28-server

Found linux image: /boot/vmlinuz-2.6.32-042stab049.6

Found initrd image: /boot/initrd.img-2.6.32-042stab049.6

Found memtest86+ image: /memtest86+.bin

done

Richte vzkernel-devel ein (2.6.32-042stab049.6) ...

Richte vzquota ein (3.0.12-1) ...

Verarbeite Trigger für ureadahead ...

ureadahead will be reprofiled on next reboot

Verarbeite Trigger für man-db ...

Verarbeite Trigger für libc-bin ...

Idconfig deferred processing now taking place

update-grub

Subject: Re: No LVM with vzkernel in ubuntu 10.04 LTS

Posted by [hjthoeming](#) on Wed, 28 Mar 2012 10:26:18 GMT

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hmm ... no solution?

Subject: Re: No LVM with vzkernel in ubuntu 10.04 LTS

Posted by [TheStig](#) on Wed, 28 Mar 2012 11:30:46 GMT

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redhat kernel makes use of lvm2 as a module whereas ubuntu compiles it into the kernel

echo "dm-mod" >> /etc/modules

you will also have some problems with rsyslog as ubuntu 10.04 uses a kernel hack for access to /proc/kmesg

Subject: Re: No LVM with vzkernel in ubuntu 10.04 LTS
Posted by [TheStig](#) on Wed, 28 Mar 2012 11:36:22 GMT
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forum.linode.com/viewtopic.php?p=32053

second post will cure any problems with rsyslog and /var/log/messages

if I find time I will update the wiki accordingly.

Subject: Re: No LVM with vzkernel in ubuntu 10.04 LTS
Posted by [hjthoeming](#) on Thu, 29 Mar 2012 15:08:38 GMT
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thank you!

now it's running
