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Subject: Prevent unmount inside VE

Posted by [Kakihara](#) on Fri, 09 Feb 2007 10:50:39 GMT

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Hi

I run several VE`s and mount some Directories outside the VE via mount --bind to access them. Inside the VE the Root could unmount this.

Example:

```
root@hn:/# mount --bind /mnt/ /vz/root/100/mnt/
root@hn:/# vzctl enter 100
root@ve:/# cat /proc/mounts
simfs / simfs rw 0 0
ext3 /mnt ext3 rw,data=ordered 0 0
root@ve:/# umount /mnt/    <---- Works
root@ve:/# exit
root@hn:/# mount
/dev/sda1 on / type ext3 (rw,errors=remount-ro)
/mnt on /var/lib/vz/root/100/mnt type none (rw,bind) <-- This Information is not updated.
```

How could I prevent this ?

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Subject: Re: Prevent unmount inside VE

Posted by [Vasily Tarasov](#) on Fri, 09 Feb 2007 11:18:31 GMT

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Hello,

Yes, VE root can do almost everything in VE, including unmounting bind-mounted directories.

I offer you the solution I use, but there can be more smart solutions.

The essence of the solution is to make directory, to which bind-mount is produced `_busy_` from VE0. In your case:

```
root@hn:/# mount --bind /mnt/ /vz/root/100/mnt/
root@hn:/# cd /vz/root/100/mnt/    <--- this makes bind-mount busy
root@hn:/# vzctl enter 100
root@ve:/# cat /proc/mounts
simfs / simfs rw 0 0
ext3 /mnt ext3 rw,data=ordered 0 0
root@ve:/# umount /mnt/    <---- doesn't work
umount: /mnt: device is busy
umount: /mnt: device is busy
```

```
root@ve:/# exit
```

By various ways it can be automatized.

As concerns redundant information that `mount` still shows in your example, this is because it gets information from `/etc/mtab` on HN, which is of course not updated when unmounting in VE occurs. This can be prevented by bind-mounting with `-n` option.

HTH,  
Vasily

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