Subject: mount --bind Bug in OpenVZ?
Posted by divB on Wed, 22 Apr 2009 21:20:46 GMT
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Hi,

The following scenario without OpenVZ:

mount /dev/sda1 /home
mount --bind /home /dest1
mount --bind /home /dest2
...

Now the content from /home is mapped to dest1 and dest2. Now I want to unmount these mapping but never ever the original mount to /home:

umount /dest1
umound /dest2
...
ls /home
(there are files)

Well this is how should bind-mounts work. Now OpenVZ comes into play. In $VEID.mount, I have the following command:

mount --bind /home /var/lib/vz/root/${VEID}/home

When the VE starts everything is fine. In the $VEID.unmount-Skript I have the following command:

umount /home /var/lib/vz/root/${VEID}/home

But now suddenly /home has been unmounted too on the host!! But this should never ever happen!

ls /home
. ..

When I just ignore unmounting the bind-mounts it seems to work without problems but it seems to be not elegant to me.

I just don't understand it. Without the mount-Scripts everything works fine. But inside the mount/umount script, the original mount (/dev/sda1 to /home on VE0) is unmounted too.

And this is a fiasco: I have mounted /home into multiple VEs stopping one VE which has /home mounted removes /home from all other VEs!

Does anybody know something about this issue?

Regards,
divB