Subject: Why umount script runs on VE start?
Posted by cray on Thu, 22 Oct 2009 15:15:12 GMT
View Forum Message <> Reply to Message

I have followed the instruction from wiki (http://wiki.openvz.org/Bind_mounts) and set up the mount and umount scripts. When I start the system I see the following error message:

vzctl start 101
Starting VE ...
umount: /home/vz/root/101/mnt: not mounted
Error executing umount script /etc/vz/conf/101.umount

Here are my scripts:
cat 101.mount
#!/bin/bash
mount --bind /test /home/vz/root/$VEID/mnt
cat 101.umount
#!/bin/bash
umount /home/vz/root/$VEID/mnt

Thanks for helping.

Subject: Re: Why umount script runs on VE start?
Posted by cray on Thu, 22 Oct 2009 15:23:32 GMT
View Forum Message <> Reply to Message

I have also tried without the umount script, but it seems that it doesn't umount automatically. Here is the log:

host:/etc/vz/conf# vzctl start 101
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.0.101
Setting CPU units: 1000
Configure meminfo: 65536
File resolv.conf was modified
VE start in progress...
---
host:/etc/vz/conf# mount -l | grep test
/test on /home/vz/root/101/mnt type none (rw,bind)
---
host:/etc/vz/conf# vzctl stop 101
Stopping VE ...
VE was stopped
VE is unmounted
---
host:/etc/vz/conf# mount -l | grep test

/test on /home/vz/root/101/mnt type none (rw,bind)
---
host:/etc/vz/conf# umount /home/vz/root/101/mnt
umount: /test: not mounted
umount: /home/vz/root/101/mnt: not found
umount: /test: not mounted
umount: /home/vz/root/101/mnt: not found

Subject: Re: Why umount script runs on VE start?
Posted by kir on Thu, 22 Oct 2009 15:28:40 GMT
View Forum Message <> Reply to Message

Perhaps your container was mounted (vzctl mount CTID to mount, vzctl status CTID to check if it's mounted or not). In that case vzctl umounts it first (vzctl umount) and then mounts again (vzctl mount) and then starts.

Subject: Re: Why umount script runs on VE start?
Posted by cray on Thu, 22 Oct 2009 15:38:00 GMT
View Forum Message <> Reply to Message

I'm quite confused with your explanation. Can you advice a solution?

Subject: Re: Why umount script runs on VE start?
Posted by kir on Thu, 22 Oct 2009 15:38:48 GMT
View Forum Message <> Reply to Message

cray wrote on Thu, 22 October 2009 19:23
host:/etc/vz/conf# mount -l | grep test
/test on /home/vz/root/101/mnt type none (rw,bind)
---
host:/etc/vz/conf# umount /home/vz/root/101/mnt
umount: /test: not mounted
umount: /home/vz/root/101/mnt: not found
umount: /test: not mounted
umount: /home/vz/root/101/mnt: not found[/code]

As you can see, there is a discrepancy here -- "mount -l" output shows that test is mounted, while "umount" is not able to unmount it.

This discrepancy is caused by the fact that mount/umount has a build-in functionality to add/remove mount records to the /etc/mtab file, and "mount -l" just lists those records. This add/remove behavior can be disabled using -n option, check mount/umount man pages for details. So if you mount without using -n and then umount with -n you will get this.

To see if something is mounted for real, one need to look into /proc/mounts file.

Subject: Re: Why umount script runs on VE start?
Posted by kir on Thu, 22 Oct 2009 15:42:17 GMT
View Forum Message <> Reply to Message

cray wrote on Thu, 22 October 2009 19:38Can you advice a solution?

Sure, make the umount script always return 0, i.e. add something like
true
or
exit 0
to the end of the umount script.

And be consistent with using -n -- either use it in both script or not use it at all.

Subject: Re: Why umount script runs on VE start?
Posted by cray on Thu, 22 Oct 2009 16:42:56 GMT
View Forum Message <> Reply to Message

What about the -n option, I doesn't use it in both scripts.

exit 0 didn't help me.

I assume that mount/umount scripts should work this way:

start VE
mount /path/from /path/to
---
umount /path/to
stop VE

Subject: Re: Why umount script runs on VE start?
Posted by kir on Thu, 22 Oct 2009 16:47:24 GMT
View Forum Message <> Reply to Message

cray wrote on Thu, 22 October 2009 20:42What about the -n option, I doesn't use it in both scripts.

From another topic by you I see that you have used it, see this message.

Quote:exit 0 didn't help me.

What do you mean «didn't help»? Can you describe one more time what problem are you having?

Quote:I assume that mount/umount scripts should work this way:

start VE
mount /path/from /path/to
---
umount /path/to
stop VE

They do not work this way -- mount is happening *before* CT start, while umount is happening *after* CT stop. Plus, as I described above, umount is run on start if CT is mounted.

Subject: Re: Why umount script runs on VE start?
Posted by cray on Thu, 22 Oct 2009 16:56:00 GMT
View Forum Message <> Reply to Message

kir wrote on Thu, 22 October 2009 12:47cray wrote on Thu, 22 October 2009 20:42What about the -n option, I doesn't use it in both scripts.

From another topic by you I see that you have used it, see this message.

I have removed -n key, as I didn't see the mounts.

kir wrote on Thu, 22 October 2009 12:47
Quote:exit 0 didn't help me.

host:~# vzctl start 101
Starting VE ...
VE is mounted
Adding IP address(es): 192.168.0.101
Setting CPU units: 1000
Configure meminfo: 65536
File resolv.conf was modified
VE start in progress...
host:~# vzctl stop 101
Stopping VE ...
VE was stopped
umount: /test: not mounted
umount: /test: not mounted
VE is unmounted
host:~#

here is the cat of mount/umount scripts:

cat 101.mount
#!/bin/bash
mount --bind /test /home/vz/root/$VEID/mnt

cat 101.umount
#!/bin/bash
umount /home/vz/root/$VEID/mnt
exit 0

kir wrote on Thu, 22 October 2009 12:47What do you mean «didn't help»? Can you describe one more time what problem are you having?

Quote:I assume that mount/umount scripts should work this way:

start VE
mount /path/from /path/to
---
umount /path/to
stop VE

They do not work this way -- mount is happening *before* CT start, while umount is happening *after* CT stop. Plus, as I described above, umount is run on start if CT is mounted.

Well, if umount script starts when the VE is stoped, so it can not unmount the path, as root directory of the VE is unmounted. Am I right?

P.S. What is CT? Is it VE (virtual environment)?