Subject: *solved* VPS reboot/destroy
Posted by neto on Wed, 07 Nov 2007 03:38:27 GMT
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Hi,

I've recently started experimenting OpenVZ and ran into this issue.

On a Debian etch host, running an etch guest when I do a reboot inside a VPS, I can no longer destroy it (or remove the folder).

On a server that has just rebooted, and that has been recently installed with a kernel from download.openvz.org.

/var/lib/vz is a symlink to /vz and /vz is an ext3 partition.

```
server1:~# uptime
 05:30:19 up 2 min,  1 user,  load average: 1.34, 0.61, 0.22
server1:~# uname -a
Linux server1 2.6.18-openvz-amd64 #1 SMP Tue Apr 10 19:34:07 MSD 2007 x86_64 GNU/Linux
server1:~# vzctl create 123 --ostemplate debian-4.0-amd64-minimal
Creating VPS private area: /var/lib/vz/private/123
Performing postcreate actions
VPS private area was created
server1:~# vzctl create 124 --ostemplate debian-4.0-amd64-minimal
Creating VPS private area: /var/lib/vz/private/124
Performing postcreate actions
VPS private area was created
server1:~# vzctl start 123
Starting VPS ...
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzctl start 124
Starting VPS ...
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzquota show 123
vzquota : (warning) Quota is running, so data reported from quota file may not reflect current
values
   resource          usage       softlimit      hardlimit    grace
  1k-blocks         153532          1048576        1153434
     inodes           7929           200000         220000
server1:~# vzquota show 124
vzquota : (warning) Quota is running, so data reported from quota file may not reflect current
values
   resource          usage       softlimit      hardlimit    grace
```

```
  1k-blocks       153532       1048576       1153434
    inodes         7929        200000        220000
```

```
server1:~# vzctl exec 123 reboot

server1:~# vzlist -a
     VPSID      NPROC STATUS  IP_ADDR         HOSTNAME
       123          - stopped -             -
       124          4 running               -
```

I then manually ran both scripts inside /etc/cron.d
/usr/share/vzctl/scripts/vpsnetclean then /usr/share/vzctl/scripts/vpsreboot so that the VPS comes back faster.

```
server1:~# /usr/share/vzctl/scripts/vpsnetclean
server1:~# /usr/share/vzctl/scripts/vpsreboot
server1:~# vzlist -a
     VPSID      NPROC STATUS  IP_ADDR         HOSTNAME
       123          4 running               -
       124          4 running               -

server1:~# vzctl exec 123 ps auxw
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0   6120   676 ?        Ss   16:35   0:00 init [2]
root      9663  0.0  0.0   5884   724 ?        Ss   16:35   0:00 /sbin/syslogd
root      9679  0.0  0.1  25840  1228 ?        Ss   16:35   0:00 /usr/sbin/sshd
root      9691  0.0  0.0  11496   804 ?        Ss   16:35   0:00 /usr/sbin/cron
root      9748  0.0  0.0   8448   936 ?        Rs   16:36   0:00 ps auxw
server1:~# vzctl exec 124 ps auxw
USER       PID %CPU %MEM    VSZ   RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.0   6120   672 ?        Ss   16:32   0:00 init [2]
root      8093  0.0  0.0   5884   724 ?        Ss   16:32   0:00 /sbin/syslogd
root      8116  0.0  0.1  25840  1224 ?        Ss   16:32   0:00 /usr/sbin/sshd
root      8128  0.0  0.0  11496   808 ?        Ss   16:32   0:00 /usr/sbin/cron
root      9751  0.0  0.0   8444   936 ?        Rs   16:36   0:00 ps auxw
server1:~# vzctl stop 123
Stopping VPS ...
VPS was stopped
VPS is not mounted
server1:~# vzctl stop 124
Stopping VPS ...
VPS was stopped
VPS is not mounted
server1:~# vzctl destroy 123
Destroying VPS private area: /var/lib/vz/private/123
Can't move /var/lib/vz/private/123 -> /var/lib/vz/tmp/XjdB8l5: Device or resource busy
server1:~# vzctl destroy 124
```

Destroying VPS private area: /var/lib/vz/private/124
VPS private area was destroyed

A vzctl restart xxx will also do the same.

server1:~# vzctl create 125 --ostemplate debian-4.0-amd64-minimal
Creating VPS private area: /var/lib/vz/private/125
Performing postcreate actions
VPS private area was created
server1:~# vzctl start 125
Starting VPS ...
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzctl restart 125
Restarting VPS
Stopping VPS ...
VPS was stopped
VPS is not mounted
Starting VPS ...
vzquota : (warning) Quota is running for id 125 already
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzctl stop 125
Stopping VPS ...
VPS was stopped
VPS is not mounted
server1:~# vzctl destroy 125
Destroying VPS private area: /var/lib/vz/private/125
Can't move /var/lib/vz/private/125 -> /var/lib/vz/tmp/XpjH1Fi: Device or resource busy

lsof on the private area did not return anything.

Has anyone experienced the same behavior?

Best Regards,

solved Neto

Subject: Re: VPS reboot/destroy
Posted by maratrus on Wed, 07 Nov 2007 13:20:16 GMT
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Hi,

1. What version of vzctl do you use?
2. If it is possible can you please conduct this experiment with the latest version of vzctl?
3. Quote:lsof on the private area did not return anything.
Does it mean that lsof output doesn't contain any process which uses some file from ve private area?
4. In the last case please pay attention at the message Quote:vzquota : (warning) Quota is running for id 125 already
try
a) vzctl stop 125
b) vzquota off 125
c) vzquota drop 125
d) vzctl start 125
e) vzctl restart 125
f) vzctl destroy 125

Thank You!

Subject: Re: VPS reboot/destroy
Posted by neto on Wed, 07 Nov 2007 21:36:03 GMT
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Hi maratrus,

Thanks for your reply.

maratrus wrote on Wed, 07 November 2007 08:20Hi,
1. What version of vzctl do you use?

server1:~# dpkg -l | grep vz
ii linux-image-2.6.18-openvz-amd64 028.18.1-2.6.18-12-1 Linux kernel binary image for version 2.6.18
ii vzctl 3.0.11-13 server virtualization solution - control too
ii vzdump 1.0-2 OpenVZ backup scripts
ii vzquota 3.0.8-2 server virtualization solution - quota tools

maratrus wrote on Wed, 07 November 2007 08:20
2. If it is possible can you please conduct this experiment with the latest version of vzctl?

By latest vestion do you mean a development version? Sure I can try it. Just let me know where to grab it from.

maratrus wrote on Wed, 07 November 2007 08:20
3. Does it mean that lsof output doesn't contain any process which uses some file from ve private

area?

Thats correct.

maratrus wrote on Wed, 07 November 2007 08:20
4. In the last case please pay attention at the message Quote:vzquota : (warning) Quota is running for id 125 already
try
a) vzctl stop 125
b) vzquota off 125
c) vzquota drop 125
d) vzctl start 125
e) vzctl restart 125
f) vzctl destroy 125
Thank You!

It seems that if the VE is stopped (even a vzctl stop) this happens.

Here is what I just tried (following the sequence you've put:

server1:~# vzctl create 105 --
server1:~# vzctl create 105 --ostemplate debian-4.0-amd64-minimal
Creating VPS private area: /var/lib/vz/private/105
Performing postcreate actions
VPS private area was created
server1:~# vzctl start 105
Starting VPS ...
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzctl stop 105
Stopping VPS ...
VPS was stopped
VPS is not mounted
server1:~# vzquota off 105
server1:~# vzquota drop 105
server1:~# vzctl start 105
Starting VPS ...
Initializing quota ...
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzctl restart 105
Restarting VPS
Stopping VPS ...
VPS was stopped
VPS is not mounted
Starting VPS ...

vzquota : (warning) Quota is running for id 105 already
VPS is mounted
Setting CPU units: 1000
VPS start in progress...
server1:~# vzctl stop 105
Stopping VPS ...
VPS was stopped
VPS is not mounted
server1:~# vzquota off 105
server1:~# vzquota drop 105
server1:~# vzquota show 105
vzquota : (error) Can't open quota file for id 105, maybe you need to reinitialize quota: No such file or directory
vzquota : (error) Quota file must exist for show command
server1:~# vzctl destroy 105
Destroying VPS private area: /var/lib/vz/private/105
Can't move /var/lib/vz/private/105 -> /var/lib/vz/tmp/X8zw8wd: Device or resource busy

Even though after the vzctl stop, vzquota off, and vzquota drop the vzctl start no longer complains that the quota is running, if I try to destroy it, it still won't let me.

Subject: Re: VPS reboot/destroy
Posted by maratrus on Fri, 09 Nov 2007 11:05:25 GMT
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Hi,

Please download vzctl here and conduct last experiment:
http://openvz.org/download/utils/

I hope this must solve the problem.

Thank You!

Subject: Re: VPS reboot/destroy
Posted by neto on Sat, 10 Nov 2007 21:08:09 GMT
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Hi maratrus,

maratrus wrote on Fri, 09 November 2007 06:05Hi,

Please download vzctl here and conduct last experiment:
http://openvz.org/download/utils/

I hope this must solve the problem.

Thank You!

Looks like the debian repository needs to be updated.

Using the latest version has solved the problem.

Thanks for your assistance.

Regards,

Neto
