
Subject: Problems doing live migration

Posted by [Marc Olive](#) on Thu, 12 Jan 2012 13:15:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I'm trying to do a manual live migration on a Linux 2.6.32-5-openvz-amd64 and openvz 3.0.24, but I'm getting some troubles:

```
.- Container's suspend seems OK.
.- But I'm not able to dump the container:
"Can not dump container: Invalid argument
Error: iptables-save exited with 255
Checkpointing failed"
.- I can issue iptables-save command with no problem.
.- Also, I'm not able to resume the container:
"Can not resume container: No such file or directory"
.- After this happens, vzctl complains about quota issues.
```

Here's is a session log:

```
~# vzctl chkpnt 114 --suspend
Setting up checkpoint...
    suspend...
    get context...
Checkpointing completed succesfully
~# vzctl chkpnt 114 --dump --dumpfile /tmp/114.dump
Setting up checkpoint...
    join context..
    dump...
Can not dump container: Invalid argument
Error: iptables-save exited with 255
Checkpointing failed
~# vzctl chkpnt 114 --dump --dumpfile /tmp/114.dump
Setting up checkpoint...
    join context..
    dump...
Cannot set linkdir in kernel: Too many links
Checkpointing failed
~# vzctl chkpnt 114 --resume
Resuming...
Can not resume container: No such file or directory
~# ls -ld /var/lib/vz/*/114
drwxr-xr-x 21 root root 4096 12 gen 12:13 /var/lib/vz/private/114
drwxr-xr-x  2 root root 4096 10 gen 2011 /var/lib/vz/root/114
~# vzctl stop 114
Stopping container ...
Container was stopped
```

```

vzquota : (error) Quota off syscall for id 114: Device or resource busy
vzquota : (error)    Possible reasons:
vzquota : (error)    - Container's root is not unmounted
vzquota : (error)    - there are opened files inside container's
root/private area
vzquota : (error)    - your current working directory is inside a container
directory
vzquota : (error)    root/private area
vzquota off failed [3]
~# vzctl start 114
Starting container ...
vzquota : (warning) Quota is running for id 114 already
Container is mounted
Adding IP address(es): 10.81.53.15
Setting CPU units: 1000
Container start in progress...
~# vzctl exec 114 reboot
~# vzctl stop 114
Stopping container ...
Container was stopped
vzquota : (error) Quota off syscall for id 114: Device or resource busy
vzquota : (error)    Possible reasons:
vzquota : (error)    - Container's root is not unmounted
vzquota : (error)    - there are opened files inside container's
root/private area
vzquota : (error)    - your current working directory is inside a container
directory
vzquota : (error)    root/private area
vzquota off failed [3]

```

If I use the "vzmigrate" command, the result is similar, here's the last logs, the command issued is "vzmigrate -v -r no --keep-dst --online linux-01 117":

```

Checkpointing completed succesfully
  Dumping container
Setting up checkpoint...
  join context..
  dump...
Can not dump container: Invalid argument
Error: iptables-save exited with 255
Checkpointing failed
Error: Failed to dump container
Resuming...
Can not resume container: No such file or directory

```

Why I can not dump the container? iptables-save is there on my system and I can execute it, why is that command needed after all?

Thanks,

--

Marc Olivé
Blau Advisors

marc.olive@blauadvisors.com

C/ Molí de Guasch, 10 baixos 1a,
43440 L'Espluga de Francolí (Tarragona)
Tel. +34 977 870 702
Tel i Fax. + 34 977 870 507

www.blauadvisors.com

Subject: Re: Problems doing live migration
Posted by [dowdle](#) on Wed, 01 Feb 2012 20:31:49 GMT
[View Forum Message](#) <> [Reply to Message](#)

Greetings,

----- Original Message -----

> I'm trying to do a manual live migration on a Linux
> 2.6.32-5-openvz-amd64 and
> openvz 3.0.24, but I'm getting some troubles:
>
> .- Container's suspend seems OK.
> .- But I'm not able to dump the container:
> "Can not dump container: Invalid argument
> Error: iptables-save exited with 255
> Checkpointing failed"
> .- I can issue iptables-save command with no problem.
> .- Also, I'm not able to resume the container:
> "Can not resume container: No such file or directory"
> .- After this happens, vzctl complains about quota issues.
>
> Here's is a session log:
>
> ~# vzctl chkpnt 114 --suspend
> Setting up checkpoint...
> suspend...
> get context...
> Checkpointing completed succesfully
> ~# vzctl chkpnt 114 --dump --dumpfile /tmp/114.dump
> Setting up checkpoint...
> join context..

```

> dump...
> Can not dump container: Invalid argument
> Error: iptables-save exited with 255
> Checkpointing failed
> ~# vzctl chkpnt 114 --dump --dumpfile /tmp/114.dump
> Setting up checkpoint...
> join context..
> dump...
> Cannot set linkdir in kernel: Too many links
> Checkpointing failed
> ~# vzctl chkpnt 114 --resume
> Resuming...
> Can not resume container: No such file or directory
> ~# ls -ld /var/lib/vz/*/114
> drwxr-xr-x 21 root root 4096 12 gen 12:13 /var/lib/vz/private/114
> drwxr-xr-x 2 root root 4096 10 gen 2011 /var/lib/vz/root/114
> ~# vzctl stop 114
> Stopping container ...
> Container was stopped
> vzquota : (error) Quota off syscall for id 114: Device or resource
> busy
> vzquota : (error) Possible reasons:
> vzquota : (error) - Container's root is not unmounted
> vzquota : (error) - there are opened files inside container's
> root/private area
> vzquota : (error) - your current working directory is inside a
> container
> directory
> vzquota : (error) root/private area
> vzquota off failed [3]
> ~# vzctl start 114
> Starting container ...
> vzquota : (warning) Quota is running for id 114 already
> Container is mounted
> Adding IP address(es): 10.81.53.15
> Setting CPU units: 1000
> Container start in progress...
> ~# vzctl exec 114 reboot
> ~# vzctl stop 114
> Stopping container ...
> Container was stopped
> vzquota : (error) Quota off syscall for id 114: Device or resource
> busy
> vzquota : (error) Possible reasons:
> vzquota : (error) - Container's root is not unmounted
> vzquota : (error) - there are opened files inside container's
> root/private area
> vzquota : (error) - your current working directory is inside a

```

> container
> directory
> vzquota : (error) root/private area
> vzquota off failed [3]
>
> If I use the "vzmigrate" command, the result is similar, here's the
> last logs,
> the command issued is "vzmigrate -v -r no --keep-dst --online
> linux-01 117":
>
> Checkpointing completed succesfully
> Dumping container
> Setting up checkpoint...
> join context..
> dump...
> Can not dump container: Invalid argument
> Error: iptables-save exited with 255
> Checkpointing failed
> Error: Failed to dump container
> Resuming...
> Can not resume container: No such file or directory
>
> Why I can not dump the container? iptables-save is there on my system
> and I can execute it, why is that command needed after all?

I'm not sure if it is talking about iptables-save in the container or on the host node. In any case, I was having trouble migrating an Ubuntu container a while back (I don't use it anymore though) and I got that error... and if I remember correctly what I did to fix it was to make iptables-save in the container a symlink to /bin/true... and that magically made it work. I don't know if that is going to work for you or not.

As to the why, I can't really say... I guess some people who use iptables in their containers find that useful... so that the iptables rules are saved and will be able to be restored. I don't use iptables in my containers at all.

TYL,

--

Scott Dowdle
704 Church Street
Belgrade, MT 59714
(406)388-0827 [home]
(406)994-3931 [work]
