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Subject: Problems doing live migration

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

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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,

--

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Subject: Re: Problems doing live migration  
Posted by [dowdle](#) on Wed, 01 Feb 2012 20:31:49 GMT  
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Greetings,

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

> I'm trying to do a manual live migration on a Linux  
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> openvz 3.0.24, but I'm getting some troubles:  
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> Here's is a session log:  
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> Setting up checkpoint...  
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>     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
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> directory
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> 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
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> Container was stopped
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> root/private area
> vzquota : (error) - your current working directory is inside a

```

> container  
> directory  
> vzquota : (error) root/private area  
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> 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":  
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> 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,

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