
Subject: Problem migrating Debian 3.1 physical server to OpenVZ container

Posted by [plomosa](#) on Thu, 29 May 2014 21:30:37 GMT

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HN is running CentOS 6.5, I'm using the OpenVZ kernel 2.6.32-042stab088.4 and vzctl version 4.7.2

Trying to migrate from a system running Debian 3.1, and want to move from this physical host into a virtualized container.

Followed instructions on moving from a physical server to a container. Had to FTP the files since there is not enough free space to use tar and the system does not have rsync installed.

After following the steps outlined to accomplish this, I attempt to start the container but I get a non-descript error:

Starting container...

Mounting root: /vz/root/401 /vz/private/401

Container is mounted

Setting iptables mask 0x1c000007

Setting features mask 0000000000000001/0000000000000001

Container start failed (try to check kernel messages, e.g. "dmesg | tail")

Killing container ...

Container was stopped

Running: /usr/sbin/vzquota stat 401 -f

Container is unmounted

running a dmesg | tail only shows the container started and then stopped.

I set the loglevel to 9 to see if I could get more clues, but didn't get anything else that gives me any further clues to help troubleshoot the problem. Any ideas on how to either solve the problem, or to narrow down the sources of it, or even just to generate a more descriptive error message?

vzctl.log only shows:

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Starting container...
```

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Mounting root: /vz/root/401 /vz/private/401
```

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Container is mounted
```

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Setting iptables mask 0x1c000007
```

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Setting features mask  
0000000000000001/0000000000000001
```

```
2014-05-29T08:49:44-0700 vzeventd : CT 401 : CTID = 401, event = ve-start (len=8)
```

```
2014-05-29T08:49:44-0700 vzeventd : CT 401 : Got start event (ignored)
```

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Container start failed (try to check kernel messages,  
e.g. "dmesg | tail")
```

```
2014-05-29T08:49:44-0700 vzctl : CT 401 : Killing container ...
```

```
2014-05-29T08:49:44-0700 vzeventd : CT 401 : CTID = 401, event = ve-stop (len=7)
```

2014-05-29T08:49:44-0700 vzeventd : CT 401 : Running stop event script
2014-05-29T08:49:44-0700 vzeventd : CT 401 : Forked child 4566 for stop event
2014-05-29T08:49:44-0700 vzeventd : CT 401 : Running: /usr/libexec/vzctl/scripts/vzevent-stop
2014-05-29T08:49:45-0700 vzctl : CT 401 : Locked by: pid 4560, cmdline vzctl start 401
2014-05-29T08:49:45-0700 vzctl : CT 401 : Container already locked
2014-05-29T08:49:45-0700 vzeventd : Child 4566 exited with success
2014-05-29T08:49:46-0700 vzctl : CT 401 : Container was stopped
2014-05-29T08:49:46-0700 vzctl : CT 401 : Running: /usr/sbin/vzquota stat 401 -f
2014-05-29T08:49:46-0700 vzctl : CT 401 : Container is unmounted

Subject: Re: Problem migrating Debian 3.1 physical server to OpenVZ container
Posted by [plomosa](#) on Fri, 30 May 2014 20:00:58 GMT

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I did an strace while running the vzctl start 401 command and I think it is an issue while running the set_console.sh script. Here are the results immediately preceding the failure message:

```
stat("/etc/vz/dists/scripts/set_console.sh", {st_mode=S_IFREG|0755, st_size=4978, ...}) = 0
open("/etc/vz/dists/scripts/set_console.sh", O_RDONLY) = 5
read(5, "#!/bin/bash\n# Copyright (C) 2012-2014, Parallels, Inc. All rights reserved.\n#\n# This\nprogram is free software; you can redistribr"... , 4978) = 4978
close(5) = 0
write(1, "Running container script: /etc/vz/dists/scripts/set_console.sh\n", 63) = 63
stat("/etc/localtime", {st_mode=S_IFREG|0644, st_size=327, ...}) = 0
write(3, "2014-05-30T12:31:47-0700 vzctl : CT 401 : Running container script:\n\n", 105) = 105
ioctl(4, 0x400c2e05, 0x7fff09472f90) = 0
clone(child_stack=0, flags=CLONE_CHILD_CLEARPID|CLONE_CHILD_SETTID|SIGCHLD,\nchild_tidptr=0x7f39546d2df0) = 135669
wait4(135669, [{WIFEXITED(s) && WEXITSTATUS(s) == 4}], 0, NULL) = 135669
--- SIGCHLD (Child exited) @ 0 (0) ---
write(2, "Container start failed (try to check kernel messages, e.g. \"dmesg | tail\")", 74) = 74
write(2, "\n", 1) = 1
stat("/etc/localtime", {st_mode=S_IFREG|0644, st_size=327, ...}) = 0
write(3, "2014-05-30T12:31:47-0700 vzctl : CT 401 : Container start failed (try to check kernel\nmessages, e.g. \"dmesg | tail\")\n", 117) = 117
close(6) = 0
write(8, "O\0\0\0", 4) = -1 EPIPE (Broken pipe)
--- SIGPIPE (Broken pipe) @ 0 (0) ---
close( = 0
```


which instructions you have followed?
this one?
https://wiki.openvz.org/Physical_to_container

I would not use ftp for such things. a lot of permission and other problems might be.
use rsync or other tools which supports permissions, symlinks, hardlinks transferring or keeping in place.

Or if this possible, setup new CT from
<http://download.openvz.org/template/precreated/unsupported/debian-3.1-x86.tar.gz>

install needed packages, replace needed config files (from physical server), copy data.

Centos 6.5
kernel 2.6.32-042stab088.4
vzctl 4.7

used template from openvz
vzctl create 98 --layout simfs --ostemplate debian-3.1-x86
Container private area was created

vzctl start 98
Starting container...
Container is mounted
Setting CPU units: 1000
Container start in progress...

]# vzctl enter 98
entered into CT 98

```
# ps faux
USER      PID %CPU %MEM  VSZ  RSS TTY      STAT START   TIME COMMAND
root         1  0.0  0.1 1592  520 ?        Ss   14:10   0:00 init [2]
root         2  0.0  0.0    0    0 ?        S    14:10   0:00 [kthreadd/98]
root         3  0.0  0.0    0    0 ?        S    14:10   0:00 \_ [khelper/98]
root       175  0.0  0.2 1636  540 ?        Ss   14:10   0:00 /sbin/syslogd
root       184  0.0  0.3 3552  892 ?        Ss   14:10   0:00 /usr/sbin/sshd
root       191  0.0  0.2 2248  772 ?        Ss   14:10   0:00 /usr/sbin/xinetd -pidfile /var/run/xinetd.pid
-stayalive
root       268  0.0  0.6 6792 1672 ?        Ss   14:10   0:00 sendmail: MTA: accepting connections
root       282  0.0  0.2 1828  648 ?        Ss   14:10   0:00 /usr/sbin/cron
root       287  0.0  0.8 7216 2208 ?        Ss   14:10   0:00 /usr/sbin/apache2 -k start -DSSL
www-data  289  0.0  0.6 7216 1696 ?        S    14:10   0:00 \_ /usr/sbin/apache2 -k start -DSSL
root       294  0.0  0.1 1580  448 ?        Ss+  14:10   0:00 /sbin/mingetty console
root       295  0.0  0.1 1580  460 tty2    Ss+  14:10   0:00 /sbin/mingetty tty2
root       296  0.0  0.2 27528  716 ?        Ss   14:11   0:00 vzctl: pts/0
root       297  0.0  0.5 2628 1400 pts/0    Ss   14:11   0:00 \_ -bash
```

```
root    301  0.0  0.3 2568 812 pts/0  R+  14:11  0:00  \_ ps faux
```

```
# cat /etc/debian_version
```

```
3.1
```
