
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", 105) = 105
ioctl(4, 0x400c2e05, 0x7fff09472f90) = 0
clone(child_stack=0, flags=CLONE_CHILD_CLEARTID|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\n", 117) = 117
close(6) = 0
write(8, "O\0\0\0", 4) = -1 EPIPE (Broken pipe)
--- SIGPIPE (Broken pipe) @ 0 (0) ---
close( = 0
```

I checked the output of the process itself that was run and see this output:

[illegible]

Any ideas?

Subject: Re: Problem migrating Debian 3.1 physical server to OpenVZ container
Posted by [Paparaciz](#) on Sun, 01 Jun 2014 10:28:05 GMT
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Probably you will need to debug this yourself, or give a lot of details for us.

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
```
