

---

Subject: Re: Processes in D state when vzctl chkpnt suspend  
Posted by [Stoyan Stoyanov](#) on Wed, 21 Mar 2012 13:21:18 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Yes, you are right, all excepts the pids: 27905 and 28956, which are in R,Rs .

With strace on these pids, there WAS nothing the process are doing, and I mean really nothing -nothing to stdout nothing to log (with log option), but I was strace'd them without -f options , yes this is my bad.. I said WAS, because server is in production, and after a couple of hours debug I was forced to restart it, to make CT up and running, so now is too late and can not show you strace and cat /proc/./stack :(

Please, if you have something in mind that can be the reason for this, tell me. Also if I can provide you with some useful info (without providing debug info, because the problem is gone after restart) please let me know.

On Mar 21, 2012, at 2:21 PM, Andrew Vagin wrote:

> On 03/20/2012 08:44 PM, Stoyan Stoyanov wrote:

>> Hi,

>>

>> I have an issue when trying vzbackups that happens randomly.

>> The issue is with the vzctl chkpnt veid --suspend .

>>

>> what happens is , all ve's process goes into D states.

>> no logs on dmesg or anywhere on the node system in the container

>> itself.

>> As you know these processes are uninterruptible (un-killable).

>> I'm not sure what exactly happens, so please help me.

>> vzserver doesn't use nfs or something like that, but fs is on lvms.

>> the kernel version is: Linux vz2 2.6.32-5-openvz-amd64 #1 SMP Mon Oct

>> 3 05:12:50 UTC 2011 x86\_64 GNU/Linux

> I recommend you to use our rhel6-2.6.32 kernel.

> <http://download.openvz.org/kernel/branches/rhel6-2.6.32/>

>>

>> here are the ps axu output from the node, only for the freezed

>> container processes.:

>> 204 root 6688 0.0 0.0 8352 636 ? Ds Mar12 0:01

>> init [2]

>> 204 root 7296 0.0 0.0 119692 1292 ? DI Mar12 0:01

>> /usr/sbin/rsyslogd -c4

>> 204 root 7366 0.0 0.0 82588 3316 ? Ds Mar12 0:12

>> /usr/sbin/apache2 -k start

>> 204 root 7384 0.0 0.0 20900 712 ? Ds Mar12 0:01

>> /usr/sbin/cron

>> 204 root 7577 0.0 0.0 37160 2096 ? Ds Mar12 0:00

```

>> /usr/lib/postfix/master
>> 204 101 7587 0.0 0.0 39380 2224 ? D Mar12 0:00
>> qmgr -l -t fifo -u
>> 204 root 7622 0.0 0.0 49168 960 ? Ds Mar12 0:00
>> /usr/sbin/sshd
>> 204 101 8899 0.0 0.0 39224 2132 ? D Mar17 0:00
>> pickup -l -t fifo -u -c
>> 204 www-data 25719 0.0 0.0 82728 4044 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 26052 0.0 0.0 82728 4032 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 26894 0.0 0.0 82728 3900 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 27409 0.0 0.0 82728 3860 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 27542 0.0 0.0 82728 3832 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 27905 99.6 0.0 82728 3824 ? R Mar17 5182:40
>> /usr/sbin/apache2 -k start
>
> This process is in RUNNING state... Could you say what it's doing.
>
> strace -fp 3824 -o log.s
> cat /proc/3824/stack
>
>> 204 www-data 28113 0.0 0.0 82728 3768 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 28191 0.0 0.0 82728 3760 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 28347 0.0 0.0 82728 3708 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 28720 0.0 0.0 82728 3628 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 28750 0.0 0.0 82728 3596 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 www-data 28849 0.0 0.0 82728 3560 ? D Mar17 0:00
>> /usr/sbin/apache2 -k start
>> 204 root 28956 99.3 0.0 10220 520 ? Rs Mar17 5163:04
>> /usr/sbin/vzctl chkpnt 204 --suspend
>>
>> as you see all of them are in D state.
>
> Not all and it's a problem.
>
>>
>> here is the stack trace for the vzctl chkpnt process
>>
>> [714486.771855] Pid: 28956, comm: vzctl Not tainted

```

```

>> 2.6.32-5-openvz-amd64 #1 feoktistov X9SCL/X9SCM
>> [714486.771857] RIP: 0010:[<ffffffff810484cf>] [<ffffffff810484cf>]
>> wait_task_inactive+0x41/0xfb
>> [714486.771861] RSP: 0018:ffff8803578f1cf8 EFLAGS: 00000246
>> [714486.771863] RAX: 0000000000000001 RBX: 800000000000015d RCX:
>> ffff8803578f1c78
>> [714486.771864] RDY: ffff880011a56940 RSI: 0000000000000296 RDI:
>> 0000000000000292
>> [714486.771866] RBP: ffff880421c2e800 R08: ffff8803578f0000 R09:
>> ffff88043a160780
>> [714486.771868] R10: 0000000100000000 R11: ffff880011b96940 R12:
>> ffff880011a56940
>> [714486.771869] R13: 0000000000000000 R14: 0000000000016940 R15:
>> ffff88043d280800
>> [714486.771871] FS: 00007f11a6e7e700(0000) GS:ffff880011b80000(0000)
>> knlGS:0000000000000000
>> [714486.771873] CS: 0010 DS: 0000 ES: 0000 CR0: 000000008005003b
>> [714486.771875] CR2: 00007f9c12391ae0 CR3: 000000041f983000 CR4:
>> 000000000000406e0
>> [714486.771877] DR0: 0000000000000000 DR1: 0000000000000000 DR2:
>> 0000000000000000
>> [714486.771878] DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7:
>> 00000000000000400
>> [714486.771880] Call Trace:
>> [714486.771881] <NMI> <<EOE>> [<ffffffffffa03defb6>] ?
>> cpt_vps_suspend+0xede/0x138a [vzcpt]
>> [714486.771887] [<ffffffffffa03dca7f>] ? cpt_ioctl+0x5e5/0xcd2 [vzcpt]
>> [714486.771889] [<ffffffffffa03dc49a>] ? cpt_ioctl+0x0/0xcd2 [vzcpt]
>> [714486.771891] [<ffffffffff81134cde>] ? proc_reg_unlocked_ioctl
>> +0xa2/0xc2
>> [714486.771894] [<ffffffffff810fd096>] ? vfs_ioctl+0x21/0x6c
>> [714486.771896] [<ffffffffff810fd5d3>] ? do_vfs_ioctl+0x47c/0x4cb
>> [714486.771899] [<ffffffffff810f1aa4>] ? vfs_write+0xcd/0x102
>> [714486.771901] [<ffffffffff810fd65f>] ? sys_ioctl+0x3d/0x5c
>> [714486.771903] [<ffffffffff81010c12>] ? system_call_fastpath
>> +0x16/0x1b
>> [714486.771904] Pid: 28956, comm: vzctl Not tainted
>> 2.6.32-5-openvz-amd64 #1
>> [714486.771905] Call Trace:
>> [714486.771906] <NMI> [<ffffffffff8100fdda>] ? show_regs+0x3c/0x5d
>> [714486.771909] [<ffffffffff812ec738>] ? nmi_watchdog_tick+0xb7/0x1aa
>> [714486.771912] [<ffffffffff812ebe83>] ? do_nmi+0xa5/0x264
>> [714486.771914] [<ffffffffff812eb920>] ? nmi+0x20/0x30
>> [714486.771916] [<ffffffffff810484cf>] ? wait_task_inactive+0x41/0xfb
>> [714486.771917] <<EOE>> [<ffffffffffa03defb6>] ?
>> cpt_vps_suspend+0xede/0x138a [vzcpt]
>> [714486.771921] [<ffffffffffa03dca7f>] ? cpt_ioctl+0x5e5/0xcd2 [vzcpt]
>> [714486.771924] [<ffffffffffa03dc49a>] ? cpt_ioctl+0x0/0xcd2 [vzcpt]

```

>> [714486.771926] [<ffffff81134cde>] ? proc\_reg\_unlocked\_ioctl  
>> +0xa2/0xc2  
>> [714486.771928] [<ffffff810fd096>] ? vfs\_ioctl+0x21/0x6c  
>> [714486.771931] [<ffffff810fd5d3>] ? do\_vfs\_ioctl+0x47c/0x4cb  
>> [714486.771933] [<ffffff810f1aa4>] ? vfs\_write+0xcd/0x102  
>> [714486.771935] [<ffffff810fd65f>] ? sys\_ioctl+0x3d/0x5c  
>> [714486.771937] [<ffffff81010c12>] ? system\_call\_fastpath  
>> +0x16/0x1b  
>>  
>> I guess I know what's happen, but I don't know how to fix and I want  
>> to hear some suggestions.  
>>  
>> Is there anyone else that suffer of such issue ?  
>> Do you have any idea what happens and if I can provide some other  
>> useful info , please write.  
>>  
>>  
>>  
>>  
>>  
>>  
>> Stoyan Stoyanov  
>> Core System Administrator  
>>  
>>  
>>  
>> CONFIDENTIAL  
>> The information contained in this email and any attachment is  
>> confidential. It is intended only for the named addressee(s). If you  
>> are not the named addressee(s) please notify the sender immediately  
>> and do not disclose, copy or distribute the contents to any other  
>> person other than the intended addressee(s).  
>>  
>>  
>>  
Stoyan Stoyanov  
Core System Administrator

CONFIDENTIAL

The information contained in this email and any attachment is confidential. It is intended only for the named addressee(s). If you are not the named addressee(s) please notify the sender immediately and do not disclose, copy or distribute the contents to any other person other than the intended addressee(s).

## File Attachments

---

1) [maxtelecom-logo.gif](#), downloaded 499 times

---