Subject: Processes in D state when vzctl chkpnt suspend
Posted by Stoyan Stoyanov on Tue, 20 Mar 2012 16:44:19 GMT
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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

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 ?        Dl   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
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.

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] RDX: 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:
00000000000406e0
[714486.771877] DR0: 0000000000000000 DR1: 0000000000000000 DR2:
0000000000000000
[714486.771878] DR3: 0000000000000000 DR6: 00000000ffff0ff0 DR7:
0000000000000400
[714486.771880] Call Trace:
[714486.771881] <NMI> <<EOE>> [<ffffffffa03defb6>] ? cpt_vps_suspend
+0xede/0x138a [vzcpt]
[714486.771887] [<ffffffffa03dca7f>] ? cpt_ioctl+0x5e5/0xcd2 [vzcpt]
[714486.771889] [<ffffffffa03dc49a>] ? cpt_ioctl+0x0/0xcd2 [vzcpt]
[714486.771891] [<ffffffff81134cde>] ? proc_reg_unlocked_ioctl

+0xa2/0xc2
[714486.771894] [<ffffffff810fd096>] ? vfs_ioctl+0x21/0x6c
[714486.771896] [<ffffffff810fd5d3>] ? do_vfs_ioctl+0x47c/0x4cb
[714486.771899] [<ffffffff810f1aa4>] ? vfs_write+0xcd/0x102
[714486.771901] [<ffffffff810fd65f>] ? sys_ioctl+0x3d/0x5c
[714486.771903] [<ffffffff81010c12>] ? 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> [<ffffffff8100fdda>] ? show_regs+0x3c/0x5d
[714486.771909] [<ffffffff812ec738>] ? nmi_watchdog_tick+0xb7/0x1aa
[714486.771912] [<ffffffff812ebe83>] ? do_nmi+0xa5/0x264
[714486.771914] [<ffffffff812eb920>] ? nmi+0x20/0x30
[714486.771916] [<ffffffff810484cf>] ? wait_task_inactive+0x41/0xfb
[714486.771917] <<EOE>> [<ffffffffa03defb6>] ? cpt_vps_suspend+0xede/
0x138a [vzcpt]
[714486.771921] [<ffffffffa03dca7f>] ? cpt_ioctl+0x5e5/0xcd2 [vzcpt]
[714486.771924] [<ffffffffa03dc49a>] ? cpt_ioctl+0x0/0xcd2 [vzcpt]
[714486.771926] [<ffffffff81134cde>] ? proc_reg_unlocked_ioctl
+0xa2/0xc2
[714486.771928] [<ffffffff810fd096>] ? vfs_ioctl+0x21/0x6c
[714486.771931] [<ffffffff810fd5d3>] ? do_vfs_ioctl+0x47c/0x4cb
[714486.771933] [<ffffffff810f1aa4>] ? vfs_write+0xcd/0x102
[714486.771935] [<ffffffff810fd65f>] ? sys_ioctl+0x3d/0x5c
[714486.771937] [<ffffffff81010c12>] ? 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.

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Core System Administrator

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