
Subject: Re: TUN causing instability.

Posted by [Bryon](#) on Sun, 15 Jan 2012 22:05:23 GMT

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We're experiencing the same issue with multiple servers running the latest OpenVZ kernel. Which older kernel did you switch to?

If a container (with TUN enabled) runs "tunctl" while the system is actively in use by customers, it begins to receive many hung / blocked task log messages. On a busy system, the load immediately spikes. Immediately after running tunctl no new connections to the system can be made (e.g. SSH) and tunctl never returns, it only outputs "enabling TUNSETPERSIST: Operation not permitted."

On a busy system the server will eventually crash with many lines similar to those below within messages:

```
Jan 14 20:44:40 x22 kernel: INFO: task irqbalance:9026 blocked for more than 300 seconds.
Jan 14 20:44:40 x22 kernel: "echo 0 > /proc/sys/kernel/hung_task_timeout_secs" disables this
message.
Jan 14 20:44:40 x22 kernel: irqbalance  D ffff81043b8e2ba0  0 9026  1  9061 8885
(NOTLB)
Jan 14 20:44:40 x22 kernel: ffff81042c73bd78 0000000000000086 3933323036383031
00002b3d84fe2035
Jan 14 20:44:40 x22 kernel: ffff81043b8e2ba0 ffffffff8031bba0 0004e24c1dee8030
000bbd68d82c77c7
Jan 14 20:44:40 x22 kernel: ffff81043b8e2da8 0000000000030002 0000000000000000
ffffffff804a6280
Jan 14 20:44:40 x22 kernel: Call Trace:
Jan 14 20:44:40 x22 kernel: [<ffffffff8006520d>] __mutex_lock_slowpath+0x60/0x9b
Jan 14 20:44:40 x22 kernel: [<ffffffff8023215e>] dev_name_hash+0x1e/0x64
Jan 14 20:44:40 x22 kernel: [<ffffffff80065257>] .text.lock.mutex+0xf/0x14
Jan 14 20:44:40 x22 kernel: [<ffffffff80232598>] dev_load+0x18/0x46
Jan 14 20:44:40 x22 kernel: [<ffffffff80232cb0>] dev_ioctl+0x317/0x497
Jan 14 20:44:40 x22 kernel: [<ffffffff802277fa>] sock_ioctl+0x1d4/0x1e5
Jan 14 20:44:40 x22 kernel: [<ffffffff80043f2e>] do_ioctl+0x21/0x6b
Jan 14 20:44:40 x22 kernel: [<ffffffff8003154a>] vfs_ioctl+0x457/0x4b9
Jan 14 20:44:40 x22 kernel: [<ffffffff800c37ca>] audit_syscall_entry+0x1a8/0x1d3
Jan 14 20:44:40 x22 kernel: [<ffffffff8004ec3e>] sys_ioctl+0x3c/0x5c
Jan 14 20:44:40 x22 kernel: [<ffffffff800602dd>] tracesys+0xd5/0xe0
Jan 14 20:44:40 x22 kernel:
Jan 14 20:44:40 x22 kernel: INFO: task tunctl:22859 blocked for more than 300 seconds.
Jan 14 20:44:40 x22 kernel: "echo 0 > /proc/sys/kernel/hung_task_timeout_secs" disables this
message.
Jan 14 20:44:40 x22 kernel: tunctl  D ffff81037b0b61a0  0 22859 22784
(L-TLB)
Jan 14 20:44:40 x22 kernel: ffff8101c0635d68 0000000000000046 0000000100000000
ffff8102003cda08
Jan 14 20:44:40 x22 kernel: ffff81037b0b61a0 ffff81033bcf32e0 0004e2443ca8806b
```

000bbd55e7240efd

Jan 14 20:44:40 x22 kernel: ffff81037b0b63a8 0000000300000000 ffff8101da059980
ffff8102f59a0000

Jan 14 20:44:40 x22 kernel: Call Trace:

Jan 14 20:44:40 x22 kernel: [`<ffffffff8006520d>`] `__mutex_lock_slowpath+0x60/0x9b`

Jan 14 20:44:40 x22 kernel: [`<ffffffff80065257>`] `.text.lock.mutex+0xf/0x14`

Jan 14 20:44:40 x22 kernel: [`<ffffffff88a1da20>`] `:tun:tun_chr_close+0x32/0x78`

Jan 14 20:44:40 x22 kernel: [`<ffffffff800128ef>`] `__fput+0xd3/0x1c2`

Jan 14 20:44:40 x22 kernel: [`<ffffffff800248f8>`] `filp_close+0x5c/0x64`

Jan 14 20:44:40 x22 kernel: [`<ffffffff8003a94e>`] `put_files_struct+0x63/0xae`

Jan 14 20:44:40 x22 kernel: [`<ffffffff80015ba0>`] `do_exit+0x74c/0xe2d`

Jan 14 20:44:40 x22 kernel: [`<ffffffff800c37ca>`] `audit_syscall_entry+0x1a8/0x1d3`

Jan 14 20:44:40 x22 kernel: [`<ffffffff8004b625>`] `cpuset_exit+0x0/0x88`

Jan 14 20:44:40 x22 kernel: [`<ffffffff800602dd>`] `tracesys+0xd5/0xe0`

Jan 14 20:44:40 x22 kernel:

On a system with low activity nothing appears within any monitoring utilities (e.g. top, iostat) or within messages/dmesg.