

Re: Possible breakage in 2.6.16?

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-03/msg09713.html>

- *From:* "linux-os \ (Dick Johnson)" <linux-os@xxxxxxxxxxxxx>
 - *Date:* Tue, 28 Mar 2006 16:29:58 -0500
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On Tue, 28 Mar 2006, Gene Heskett wrote:

On Tuesday 28 March 2006 13:19, linux-os (Dick Johnson) wrote:

On Tue, 28 Mar 2006, Gene Heskett wrote:

Dick, this may be a resend to you, but I can't find it in my sent-mail box. Honest, I did go thru the motions :)

Greetings;

Always curious as to what sort of information can be extracted from the tools linux gives us, I've discovered that netstat, from the net-tools-1.60-25.1 rpm

no longer functions for anything as even a 'netstat --version' takes the cursor to the upper left corner of the screen and hangs till `ctl+c`'d.

The only evidence of its execution is a steady, about 2 per second, increase in the number of processes running as reported by `gkrellm`, all of which go away when I `ctl+c` netstat itself.

I'm running 2.6.16 self configured here.

Is this a known problem because my net-tools rpm is old?
Or because 2.6.16 broke it?

`strace netstat --version 2>info.txt`

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Then read info.txt and see what it called that doesn't return.

It appears strace does about 5–6 pages of its own setup, then this:

```
-----open("/root/bin/netstat", O_RDONLY|O_LARGEFILE) = 3
ioctl(3, SNDCTL_TMR_TIMEBASE or TCGETS, 0xaf86e2e8) = -1 ENOTTY
(Inappropriate ioctl for device)
_llseek(3, 0, [0], SEEK_CUR) = 0
read(3, "#!/bin/bash\nreset\nwhile [ 1 ] ; \"...\", 80) = 80
_llseek(3, 0, [0], SEEK_SET) = 0
getrlimit(RLIMIT_NOFILE, {rlim_cur=1024, rlim_max=1024}) = 0
dup2(3, 255) = 255
close(3) = 0
fcntl64(255, F_SETFD, FD_CLOEXEC) = 0
fcntl64(255, F_GETFL) = 0x8000 (flags O_RDONLY|
O_LARGEFILE)
fstat64(255, {st_mode=S_IFREG|0755, st_size=124, ...}) = 0
_llseek(255, 0, [0], SEEK_CUR) = 0
rt_sigprocmask(SIG_BLOCK, NULL, [], 8) = 0
read(255, "#!/bin/bash\nreset\nwhile [ 1 ] ; \"...\", 124) = 124
rt_sigprocmask(SIG_BLOCK, NULL, [], 8) = 0
stat64(".", {st_mode=S_IFDIR|0755, st_size=4096, ...}) = 0
stat64("/root/bin/reset", 0xaf86e160) = -1 ENOENT (No such file or
directory)
stat64("/usr/java/bin/reset", 0xaf86e160) = -1 ENOENT (No such file or
directory)
stat64("/usr/bin/reset", {st_mode=S_IFREG|0755, st_size=36216, ..}) = 0
stat64("/usr/bin/reset", {st_mode=S_IFREG|0755, st_size=36216, ..}) = 0
rt_sigprocmask(SIG_BLOCK, [INT CHLD], [], 8) = 0
_llseek(255, -106, [18], SEEK_CUR) = 0
clone(child_stack=0, flags=CLONE_CHILD_CLEARPID|CLONE_CHILD_SETTID|
SIGCHLD, child_tidptr=0xa7f480c8) = 6558
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
rt_sigaction(SIGINT, {0x8074990, [], 0}, {SIG_DFL}, 8) = 0
waitpid(-1, tset: standard error: Inappropriate ioctl for device

[ { WIFEXITED(s) && WEXITSTATUS(s) == 1 }, 0) = 6558
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
--- SIGCHLD (Child exited) @ 0 (0) ---
waitpid(-1, 0xaf86dee8, WNOHANG) = -1 ECHILD (No child processes)
sigreturn() = ? (mask now [])
rt_sigaction(SIGINT, {SIG_DFL}, {0x8074990, [], 0}, 8) = 0
rt_sigprocmask(SIG_BLOCK, NULL, [], 8) = 0
read(255, "while [ 1 ] ; do\n\n netstat -a \"...\", 124) = 106
rt_sigprocmask(SIG_BLOCK, NULL, [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
```

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```
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
rt_sigprocmask(SIG_SETMASK, [], NULL, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [], 8) = 0
pipe([3, 4]) = 0
rt_sigprocmask(SIG_BLOCK, [INT CHLD], [CHLD], 8) = 0
_llseek(255, -1, [123], SEEK_CUR) = 0
clone(tset: standard error: Inappropriate ioctl for device
```

tset: standard error: Inappropriate ioctl for device

```
child_stack=0, flags=CLONE_CHILD_CLEAR_TID|CLONE_CHILD_SETTID|SIGCHLD,
child_tidptr=0xa7f480c8) = 6559
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
close(4) = 0
close(4) = -1 EBADF (Bad file descriptor)
rt_sigprocmask(SIG_BLOCK, [INT CHLD], [CHLD], 8) = 0
clone(child_stack=0, flags=CLONE_CHILD_CLEAR_TID|CLONE_CHILD_SETTID|
SIGCHLD, child_tidptr=0xa7f480c8) = 6580
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
close(3) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [CHLD], 8) = 0
rt_sigprocmask(SIG_SETMASK, [CHLD], NULL, 8) = 0
rt_sigprocmask(SIG_BLOCK, [CHLD], [CHLD], 8) = 0
rt_sigaction(SIGINT, {0x8074990, [], 0}, {SIG_DFL}, 8) = 0
waitpid(-1, tset: standard error: Inappropriate ioctl for device
```

tset: standard error: Inappropriate ioctl for device

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tset: standard error: Inappropriate ioctl for device

And there's a couple more megabytes of that last line till I ctrl+c'd it.
I did that when gkrellm said it was up to about 990 processes from the
normal 220 or so here.

But I have NDI what it all really means. And I just built and
rebooted to 2.6.16.1 with no change in this seemingly weird behaviour.

Thanks all

Cheers, Gene

The error message comes from `tset`. Some script that runs on startup
of each of your 990 processes is trying to set a terminal when, in
fact, there is no terminal associated with the task. Perhaps, your
new java script is doing something????

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Perhaps associated with this little gem:

```
read(255, "while [ 1 ] ; do\n\n netstat -a "..., 124) = 106
```

Cheers,

Dick Johnson

Penguin : Linux version 2.6.15.4 on an i686 machine (5589.42 BogoMips).

Warning : 98.36% of all statistics are fiction, book release in April.

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