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Subject: Re: /proc/net/ bad hard links count [Was: 2.6.23-rc8-mm2]

Posted by [ebiederm](#) on Fri, 28 Sep 2007 17:03:26 GMT

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Jiri Slaby <jirislaby@gmail.com> writes:

> On 09/27/2007 11:22 AM, Andrew Morton wrote:

>>

> ftp://ftp.kernel.org/pub/linux/kernel/people/akpm/patches/2.6/2.6.23-rc8/2.6.23-rc8-mm2/

Yep.

> # find /proc >/dev/null

> find: WARNING: Hard link count is wrong for /proc/net: this may be a bug in your  
> filesystem driver. Automatically turning on find's -noleaf option. Earlier  
> results may have failed to include directories that should have been searched.

> # stat net

> File: `net'

> Size: 0                Blocks: 0            IO Block: 1024   directory

> Device: 3h/3d   Inode: 4026531864   Links: 2

> Access: (0555/dr-xr-xr-x) Uid: (   0/   root) Gid: (   0/   root)

> Access: 2007-09-28 18:21:24.651209759 +0200

> Modify: 2007-09-28 18:21:24.651209759 +0200

> Change: 2007-09-28 18:21:24.651209759 +0200

> # stat net/

> File: `net/'

> Size: 0                Blocks: 0            IO Block: 1024   directory

> Device: 3h/3d   Inode: 4026531909   Links: 4

> Access: (0555/dr-xr-xr-x) Uid: (   0/   root) Gid: (   0/   root)

> Access: 2007-09-28 18:26:48.813048220 +0200

> Modify: 2007-09-28 18:26:48.813048220 +0200

> Change: 2007-09-28 18:26:48.813048220 +0200

>

> hmm, this is some kind of weirdness :)

Yes.

I can explain it. For the network namespace stuff we need special handling of /proc/net so that depending on the network namespace we are resolving against you see a different behavior. So you actually are observing two different directories, one being a magic invisible symlink to the other.

Currently I am resolving against current (which has a number of limitations) and the weird ugly effect you are current seeing.

So it looks like I need to either make /proc/net a symlink to /proc/self/net or make the network namespace something that we capture

at mount time of /proc.

This was my don't get hung up on this implementation detail version.  
Thanks for pointing out it has user visible problems. I will see  
what I can do to resolve this.

Eric

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Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>

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