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
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