
Subject: Re: namespace support requires network modules to say "GPL"

Posted by [Daniel Lezcano](#) on Mon, 03 Dec 2007 18:57:53 GMT

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Ben Greear wrote:

> Eric W. Biederman wrote:

>> Patrick McHardy <kaber@trash.net> writes:

>>

>>

>>> Ben Greear wrote:

>>>

>>>> I have a binary module that uses dev_get_by_name...it's sort of a

>>>> bridge-like

>>>> thing and

>>>> needs user-space to tell it which device to listen for packets on...

>>>>

>>>> This code doesn't need or care about name-spaces, so I don't see how

>>>> it could

>>>> really

>>>> be infringing on the author's code (any worse than loading a binary

>>>> driver

>>>> into the kernel

>>>> ever does).

>>>>

>>

>> Regardless of infringement it is incompatible with a complete network
>> namespace implementation. Further it sounds like the module you are
>> describing defines a kernel ABI without being merged and hopes that
>> ABI will still be supportable in the future. Honestly I think doing so
>> is horrible code maintenance policy.

>>

> I don't mind if the ABI changes, so long as I can still use something
> similar.

>

> The namespace logic is interesting to me in general, but at this point I
> can't think of a way that

> it actually helps this particular module. All I really need is a way to
> grab every frame

> from eth0 and then transmit it to eth1. I'm currently doing this by

> finding the netdevice

> and registering a raw-packet protocol (ie, like tcpdump would do). At

> least up to 2.6.23,

> this does not require any hacks to the kernel and uses only non GPL

> exported symbols.

>

> Based on my understanding of the namespace logic, if I never add any
> namespaces,

> the general network layout should look similar to how it does today, so

> I should have
> no logical problem with my module.
>
>> Once things are largely complete it makes sense to argue with out of
>> tree module authors that because they don't have network namespace
>> support in their modules, their modules are broken.
> Does this imply that every module that accesses the network code *must*
> become
> GPL simply because it must interact with namespace logic that is
> exported as GPL only symbols?

That's right, with `init_net`'s `EXPORT_SYMBOL_GPL` and `dev_get_xx`, we enforce people to be GPL whatever they didn't asked to have the namespaces in their code.

Eric, why can we simply change `EXPORT_SYMBOL_GPL` to `EXPORT_SYMBOL` for `init_net` ?

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