## Subject: Re: [NETNS] Oops in register\_pernet\_operations() with CONFIG\_NET\_NS=n

Posted by ebiederm on Thu, 25 Oct 2007 17:21:55 GMT

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"Denis V. Lunev" <dlunev@gmail.com> writes:
> Eric W. Biederman wrote:
>> Benjamin Thery <benjamin.thery@bull.net> writes:
>>
>>> Eric W. Biederman wrote:
>>>> Benjamin Thery <benjamin.thery@bull.net> writes:
>>>>
>>>> Denis V. Lunev wrote:
>>>>> The patch attached should help. The idea is simple. The "init" should be
>>>>> called only once without NETNS. Period. No need for any lists.
>>>> This is the kind of idea I had but I didn't think it could be
>>>> that simple. :)
>>>> Thanks Denis.
>>>> It isn't.
> this will work due to INIT LIST HEAD with circles list to itself and a
> del operation will work.
Suppose I have this fragment of code in a module:
> static int __net_init xt_net_init(struct net *net)
> {
>
> }
> static void __net_exit xt_net_exit(struct net *net)
> {
>
       ...
> }
> static struct pernet_operations __net_initdata xt_net_ops = {
> .init = xt net init,
> .exit = xt_net_exit,
> };
>
> static int __init xt_init(void)
> {
> return register_pernet_subsys(&xt_net_ops);
> }
> static void exit xt fini(void)
> {
```

```
> unregister_pernet_subsys(&xt_net_ops);
> }
> module_init(xt_init);
> module_exit(xt_fini);
```

What happens during module removal when unregister\_pernet\_subys calls xt\_net\_ops.exit after xt\_net\_ops has been removed from the kernels memory?

- > By the way, I think that we can in the case of undefined CONFIG NET NS
- > reduce register to calling ->init method and unregister to calling
- > ->exit method.

>

- > This is a correct thing at least for now and will be welcomed by the all
- > embedded/etc people.

I'm not fundamentally opposed. Earlier versions of my patchset did that and more. However I think the pain is greater then the gain right now. Especially since this concept seem to require having quality inspected into it.

Eric

Containers mailing list

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