
Subject: Re: [patch 06/20] [Network namespace] Move the nsproxy NULL affection
Posted by [Mishin Dmitry](#) on Mon, 11 Dec 2006 15:22:58 GMT

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On Monday 11 December 2006 00:58, dlezcano@fr.ibm.com wrote:

> Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>

>

> ---

>

> kernel/nsproxy.c | 2 +-

> 1 files changed, 1 insertion(+), 1 deletion(-)

>

> Index: 2.6.19-rc6-mm2/kernel/nsproxy.c

> =====

> --- 2.6.19-rc6-mm2.orig/kernel/nsproxy.c

> +++ 2.6.19-rc6-mm2/kernel/nsproxy.c

> @@ -54,10 +54,10 @@ void exit_task_namespaces(struct task_st

> {

> struct nsproxy *ns = p->nsproxy;

> if (ns) {

> + put_nsproxy(ns);

> task_lock(p);

> p->nsproxy = NULL;

> task_unlock(p);

> - put_nsproxy(ns);

> }

> }

This will follow in a race.

--

Thanks,
Dmitry.

Subject: Re: [patch 06/20] [Network namespace] Move the nsproxy NULL affection
Posted by [Daniel Lezcano](#) on Mon, 11 Dec 2006 15:46:06 GMT

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Dmitry Mishin wrote:

> On Monday 11 December 2006 00:58, dlezcano@fr.ibm.com wrote:

>> Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>

>>

>> ---

>>

>> kernel/nsproxy.c | 2 +-

>> 1 files changed, 1 insertion(+), 1 deletion(-)

>>

```
>> Index: 2.6.19-rc6-mm2/kernel/nsproxy.c
>> =====
>> --- 2.6.19-rc6-mm2.orig/kernel/nsproxy.c
>> +++ 2.6.19-rc6-mm2/kernel/nsproxy.c
>> @@ -54,10 +54,10 @@ void exit_task_namespaces(struct task_st
>> {
>>     struct nsproxy *ns = p->nsproxy;
>>     if (ns) {
>> + put_nsproxy(ns);
>>     task_lock(p);
>>     p->nsproxy = NULL;
>>     task_unlock(p);
>> - put_nsproxy(ns);
>> }
>> }
> This will follow in a race.
```

Yep.

I did that to have a quick fix for the net_ns cleanup.
The problem raised is the p->nsproxy = NULL followed by put_nsproxy and put_net_ns. This one will call free_net_ns followed by ip_fib_cleanup and that will use current_net_ns (which is current->nsproxy->net_ns) with nsproxy = NULL

I think, the right fix is to have ip_fib_cleanup called with the net_ns pointer as parameter and in this case current_net_ns needs to be checked in all the code to ensure it will not be used by the cleanup.

Containers mailing list
Containers@lists.osdl.org
<https://lists.osdl.org/mailman/listinfo/containers>

Subject: Re: [patch 06/20] [Network namespace] Move the nsproxy NULL affection
Posted by [Mishin Dmitry](#) on Mon, 11 Dec 2006 15:51:39 GMT
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On Monday 11 December 2006 18:46, Daniel Lezcano wrote:
> Dmitry Mishin wrote:
> > On Monday 11 December 2006 00:58, dlezcano@fr.ibm.com wrote:
> >> Signed-off-by: Daniel Lezcano <dlezcano@fr.ibm.com>
> >>
> >> ---
> >>
> >> kernel/nsproxy.c | 2 +-
> >>

```

> >> 1 files changed, 1 insertion(+), 1 deletion(-)
> >>
> >> Index: 2.6.19-rc6-mm2/kernel/nsproxy.c
> >> =====
> >> --- 2.6.19-rc6-mm2.orig/kernel/nsproxy.c
> >> +++ 2.6.19-rc6-mm2/kernel/nsproxy.c
> >> @@ -54,10 +54,10 @@ void exit_task_namespaces(struct task_st
> >> {
> >>     struct nsproxy *ns = p->nsproxy;
> >>     if (ns) {
> >> +     put_nsproxy(ns);
> >>     task_lock(p);
> >>     p->nsproxy = NULL;
> >>     task_unlock(p);
> >> -     put_nsproxy(ns);
> >>     }
> >> }
> > This will follow in a race.
>
> Yep.
>
> I did that to have a quick fix for the net_ns cleanup.
> The problem raised is the p->nsproxy = NULL followed by put_ns_proxy and
> put_net_ns. This one will call free_net_ns followed by ip_fib_cleanup
> and that will use current_net_ns (which is current->nsproxy->net_ns)
> with nsproxy = NULL
>
> I think, the right fix is to have ip_fib_cleanup called with the net_ns
> pointer as parameter and in this case current_net_ns needs to be checked
> in all the code to ensure it will not be used by the cleanup.
Yes, it is. Shame on me, I've missed it when porting. Will be fixed in next version.

```

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Thanks,
Dmitry.

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<https://lists.osdl.org/mailman/listinfo/containers>
