
Subject: [PATCH][NET-2.6.24] Remove double dev->flags checking when calling dev_close()

Posted by [Pavel Emelianov](#) on Tue, 09 Oct 2007 10:50:54 GMT

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The unregister_netdevice() and dev_change_net_namespace() both check for dev->flags to be IFF_UP before calling the dev_close(), but the dev_close() checks for IFF_UP itself, so remove those unneeded checks.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

diff --git a/net/core/dev.c b/net/core/dev.c

index e7e728a..1e169a5 100644

--- a/net/core/dev.c

+++ b/net/core/dev.c

@@ -3893,8 +3893,7 @@ void unregister_netdevice(struct net_dev
BUG_ON(dev->reg_state != NETREG_REGISTERED);

/* If device is running, close it first. */

- if (dev->flags & IFF_UP)

- dev_close(dev);

+ dev_close(dev);

/* And unlink it from device chain. */

unlist_netdevice(dev);

@@ -4018,8 +4017,7 @@ int dev_change_net_namespace(struct net_
*/

/* If device is running close it first. */

- if (dev->flags & IFF_UP)

- dev_close(dev);

+ dev_close(dev);

/* And unlink it from device chain */

err = -ENODEV;

Subject: Re: [PATCH][NET-2.6.24] Remove double dev->flags checking when calling dev_close()

Posted by [Jeff Garzik](#) on Tue, 09 Oct 2007 11:33:14 GMT

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Pavel Emelyanov wrote:

> The unregister_netdevice() and dev_change_net_namespace()

> both check for dev->flags to be IFF_UP before calling the

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> so remove those unneeded checks.
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> --- a/net/core/dev.c
> +++ b/net/core/dev.c
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>   BUG_ON(dev->reg_state != NETREG_REGISTERED);
>
>   /* If device is running, close it first. */
>   - if (dev->flags & IFF_UP)
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>   + dev_close(dev);
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>   unlist_netdevice(dev);
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>   - if (dev->flags & IFF_UP)
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>   + dev_close(dev);
>
>   /* And unlink it from device chain */
>   err = -ENODEV;

```

One side effect of this patch: might_sleep() is now called unconditionally.

If that is irrelevant... ACK.

Subject: Re: [PATCH][NET-2.6.24] Remove double dev->flags checking when calling dev_close()

Posted by [Pavel Emelianov](#) on Tue, 09 Oct 2007 11:44:40 GMT

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Jeff Garzik wrote:

```

> Pavel Emelyanov wrote:
>> The unregister_netdevice() and dev_change_net_namespace()
>> both check for dev->flags to be IFF_UP before calling the
>> dev_close(), but the dev_close() checks for IFF_UP itself,
>> so remove those unneeded checks.

```

```

>>
>> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>
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>> - if (dev->flags & IFF_UP)
>> - dev_close(dev);
>> + dev_close(dev);
>>
>> /* And unlink it from device chain */
>> err = -ENODEV;
>
> One side effect of this patch: might_sleep() is now called unconditionally.

```

That's not a big deal - see, the synchronize_net() is called further in both places unconditionally (!) and also calls might_sleep(), so this is OK.

> If that is irrelevant... ACK.

Thanks :)

```

>
> -
> To unsubscribe from this list: send the line "unsubscribe netdev" in
> the body of a message to majordomo@vger.kernel.org
> More majordomo info at http://vger.kernel.org/majordomo-info.html
>

```

Subject: Re: [PATCH][NET-2.6.24] Remove double dev->flags checking when calling dev_close()

Posted by [Herbert Xu](#) on Wed, 10 Oct 2007 01:33:46 GMT

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Jeff Garzik <jeff@garzik.org> wrote:

>

> One side effect of this patch: might_sleep() is now called unconditionally.

That would be seem to be a good thing :)

--

Visit Openswan at <http://www.openswan.org/>

Email: Herbert Xu ~{PmV>Hl~} <herbert@gondor.apana.org.au>

Home Page: <http://gondor.apana.org.au/~herbert/>

PGP Key: <http://gondor.apana.org.au/~herbert/pubkey.txt>

Subject: Re: [PATCH][NET-2.6.24] Remove double dev->flags checking when calling dev_close()

Posted by [davem](#) on Wed, 10 Oct 2007 09:49:28 GMT

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From: Pavel Emelyanov <xemul@openvz.org>

Date: Tue, 09 Oct 2007 14:50:54 +0400

> The unregister_netdevice() and dev_change_net_namespace()

> both check for dev->flags to be IFF_UP before calling the

> dev_close(), but the dev_close() checks for IFF_UP itself,

> so remove those unneeded checks.

>

> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied, thanks Pavel.
