
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()
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```
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> + dev_close(dev);  
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> /* 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()
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>> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>
>>
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>> + dev_close(dev);
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>> /* 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/>

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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.
