
Subject: Re: [PATCH] Remove notifier block from chain when
register_netdevice_notifier fails
Posted by [Pavel Emelianov](#) on Wed, 14 Nov 2007 13:47:24 GMT
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Herbert Xu wrote:

> On Wed, Nov 14, 2007 at 03:08:03PM +0300, Pavel Emelyanov wrote:
>> Commit fcc5a03ac42564e9e255c1134dda47442289e466 makes the
>> register_netdevice_notifier() handle the error from the
>> NETDEV_REGISTER event, sent to the registering block.
>>
>> The bad news is that in this case the notifier block is
>> not removed from the list, but the error is returned to the
>> caller. In case the caller is in module init function and
>> handles this error this can abort the module loading. The
>> notifier block will be then removed from the kernel, but
>> will be left in the list. Oops :(
>>
>> I think that the notifier block should be removed from the
>> chain in case of error, regardless whether this error is
>> handled by the caller or not. In the worst case (the error
>> is _not_ handled) module will not receive the events any
>> longer.
>>
>> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>
>
> Good catch. Thanks Pavel!
>
> Acked-by: Herbert Xu <herbert@gondor.apana.org.au>

Thanks :)

BTW, I have one more question I can't find the answer to by
myself. Why the unregister_netdevice_notifier doesn't produce
the GOING_DOWN-DOWN-UNREGISTER event sequence for the notifier
block which is being unregistered? Was this made deliberately?

Pavel
