
Subject: [PATCH] Remove notifier block from chain when
register_netdevice_notifier fails

Posted by [Pavel Emelianov](#) on Wed, 14 Nov 2007 12:08:03 GMT

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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>

```
diff --git a/net/core/dev.c b/net/core/dev.c
index dd40b35..86d6261 100644
--- a/net/core/dev.c
+++ b/net/core/dev.c
@@ -1171,6 +1171,8 @@ @@ rollback:
     nb->notifier_call(nb, NETDEV_UNREGISTER, dev);
 }
 }
+
+ raw_notifier_chain_unregister(&netdev_chain, nb);
+ goto unlock;
 }
```
