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;
 }
```