
Subject: [PATCH] Ensure that p neigh_lookup is protected with RTNL

Posted by [Pavel Emelianov](#) on Mon, 15 Oct 2007 13:38:57 GMT

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The p neigh_lookup is used to lookup proxy entries and to create them in case lookup failed.

However, the "creation" code does not perform the re-lookup after GFP_KERNEL allocation. This is done because the code is expected to be protected with the RTNL lock, so add the assertion (mainly to address future questions from new network developers like me :)).

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

```
---
diff --git a/net/core/neighbour.c b/net/core/neighbour.c
index c52df85..cd3af59 100644
--- a/net/core/neighbour.c
+++ b/net/core/neighbour.c
@@ -481,6 +481,8 @@ struct p neigh_lookup(struct neigh_table *tbl, const void
 *pkey,
     if (!creat)
         goto out;

+ ASSERT_RTNL();
+
     n = kmalloc(sizeof(*n) + key_len, GFP_KERNEL);
     if (!n)
         goto out;
```
