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Subject: [PATCH net-2.6.25 1/3][ARP] Minus one level of indentation in arp\_req\_set  
Posted by Pavel Emelianov on Wed, 05 Dec 2007 17:15:02 GMT

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The ATF\_PUBL requests are handled completely separate from the others. Emphasize it with a separate function. This also reduces the indentation level.

The same issue exists with the arp\_delete\_request, but when I tried to make it in one patch diff produced completely unreadable patch. So I split it into two, but they may be done with one commit.

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

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```
diff --git a/net/ipv4/arp.c b/net/ipv4/arp.c
index b3f366a..d628e6e 100644
--- a/net/ipv4/arp.c
+++ b/net/ipv4/arp.c
@@ -953,37 +953,45 @@ out_of_mem:
 * Set (create) an ARP cache entry.
 */
+static int arp_req_set_public(struct arpreq *r, struct net_device *dev)
+{
+ __be32 ip = ((struct sockaddr_in *)&r->arp_pa)->sin_addr.s_addr;
+ __be32 mask = ((struct sockaddr_in *)&r->arp_netmask)->sin_addr.s_addr;
+
+ if (mask && mask != htonl(0xFFFFFFFF))
+ return -EINVAL;
+ if (!dev && (r->arp_flags & ATF_COM)) {
+ dev = dev_getbyhwaddr(&init_net, r->arp_ha.sa_family,
+ r->arp_ha.sa_data);
+ if (!dev)
+ return -ENODEV;
+ }
+ if (mask) {
+ if (pneigh_lookup(&arp_tbl, &ip, dev, 1) == NULL)
+ return -ENOBUFS;
+ return 0;
+ }
+ if (dev == NULL) {
+ IPV4_DEVCONF_ALL(PROXY_ARP) = 1;
+ return 0;
+ }
+ if (__in_dev_get_rtnl(dev)) {
```

```

+ IN_DEV_CONF_SET(__in_dev_get_rtnl(dev), PROXY_ARP, 1);
+ return 0;
+ }
+ return -ENXIO;
+}
+
static int arp_req_set(struct arpreq *r, struct net_device * dev)
{
- __be32 ip = ((struct sockaddr_in *) &r->arp_pa)->sin_addr.s_addr;
+ __be32 ip;
    struct neighbour *neigh;
    int err;

- if (r->arp_flags&ATF_PUBL) {
- __be32 mask = ((struct sockaddr_in *) &r->arp_netmask)->sin_addr.s_addr;
- if (mask && mask != htonl(0xFFFFFFFF))
- return -EINVAL;
- if (!dev && (r->arp_flags & ATF_COM)) {
- dev = dev_getbyhwaddr(&init_net, r->arp_ha.sa_family, r->arp_ha.sa_data);
- if (!dev)
- return -ENODEV;
- }
- if (mask) {
- if (pneigh_lookup(&arp_tbl, &ip, dev, 1) == NULL)
- return -ENOBUFS;
- return 0;
- }
- if (dev == NULL) {
- IPV4_DEVCONF_ALL(PROXY_ARP) = 1;
- return 0;
- }
- if (__in_dev_get_rtnl()) {
- IN_DEV_CONF_SET(__in_dev_get_rtnl(dev), PROXY_ARP, 1);
- return 0;
- }
- return -ENXIO;
- }
+ if (r->arp_flags & ATF_PUBL)
+ return arp_req_set_public(r, dev);

+ ip = ((struct sockaddr_in *)&r->arp_pa)->sin_addr.s_addr;
if (r->arp_flags & ATF_PERM)
    r->arp_flags |= ATF_COM;
if (dev == NULL) {
--
```

#### 1.5.3.4

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Subject: Re: [PATCH net-2.6.25 1/3][ARP] Minus one level of indentation in arp\_req\_set

Posted by [davem](#) on Thu, 06 Dec 2007 05:19:55 GMT

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From: Pavel Emelyanov <xemul@openvz.org>

Date: Wed, 05 Dec 2007 20:15:02 +0300

> The ATF\_PUBL requests are handled completely separate from  
> the others. Emphasize it with a separate function. This also  
> reduces the indentation level.

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> done with one commit.  
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> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied, thanks.

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