
Subject: [PATCH net-2.6.25 3/3][ARP] Consolidate some code in

arp_req_set/delete_public

Posted by Pavel Emelianov on Wed, 05 Dec 2007 17:18:44 GMT

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The PROXY_ARP is set on devconfigs in a similar way in both calls.

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```
diff --git a/net/ipv4/arp.c b/net/ipv4/arp.c
index 0a3f00c..cccd36fa 100644
--- a/net/ipv4/arp.c
+++ b/net/ipv4/arp.c
@@ -953,6 +953,19 @@ out_of_mem:
 * Set (create) an ARP cache entry.
 */
+static int arp_req_set_proxy(struct net_device *dev, int on)
+{
+ if (dev == NULL) {
+ IPV4_DEVCONF_ALL(PROXY_ARP) = on;
+ return 0;
+ }
+ if (__in_dev_get_rtnl(dev)) {
+ IN_DEV_CONF_SET(__in_dev_get_rtnl(dev), PROXY_ARP, on);
+ return 0;
+ }
+ return -ENXIO;
+}
+
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;
@@ -971,15 +984,8 @@ static int arp_req_set_public(struct arpreq *r, struct net_device *dev)
    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;
+
+ return arp_req_set_proxy(dev, 1);
}

static int arp_req_set(struct arpreq *r, struct net_device * dev)
@@ -1083,19 +1089,10 @@ static int arp_req_delete_public(struct arpreq *r, struct net_device
*dev)
    if (mask == htonl(0xFFFFFFFF))
        return pneigh_delete(&arp_tbl, &ip, dev);

- if (mask == 0) {
- if (dev == NULL) {
- IPV4_DEVCONF_ALL(PROXY_ARP) = 0;
- return 0;
- }
- if (__in_dev_get_rtnl(dev)) {
- IN_DEV_CONF_SET(__in_dev_get_rtnl(dev),
- PROXY_ARP, 0);
- return 0;
- }
- return -ENXIO;
- }
- return -EINVAL;
+ if (mask)
+ return -EINVAL;
+
+ return arp_req_set_proxy(dev, 0);
}

static int arp_req_delete(struct arpreq *r, struct net_device * dev)
--
```

1.5.3.4
