
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.

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

diff --git a/net/ipv4/arp.c b/net/ipv4/arp.c

index 0a3f00c..ccd36fa 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 pneighbor_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
