
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
