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Subject: [PATCH 1/2 net-2.6.25] [IPV4] Remove extra argument from arp\_ignore.  
Posted by [den](#) on Mon, 14 Jan 2008 14:04:40 GMT

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arp\_ignore has two arguments: dev & in\_dev. dev is used for inet\_confirm\_addr calling only.

inet\_confirm\_addr, in turn, either gets in\_dev from the device passed or iterates over all network devices if the device passed is NULL. It seems logical to directly pass in\_dev into inet\_confirm\_addr.

Signed-off-by: Denis V. Lunev <[den@openvz.org](mailto:den@openvz.org)>

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```
include/linux/inetdevice.h |  2 +-  
net/ipv4/arp.c           | 11 ++++++-----  
net/ipv4/devinet.c       | 17 ++++++-----  
3 files changed, 12 insertions(+), 18 deletions(-)
```

```
diff --git a/include/linux/inetdevice.h b/include/linux/inetdevice.h  
index b3c5081..45f3731 100644  
--- a/include/linux/inetdevice.h  
+++ b/include/linux/inetdevice.h  
@@ -135,7 +135,7 @@ extern int devinet_ioctl(unsigned int cmd, void __user *);  
extern void devinet_init(void);  
extern struct in_device *inetdev_by_index(int);  
extern __be32 inet_select_addr(const struct net_device *dev, __be32 dst, int scope);  
-extern __be32 inet_confirm_addr(const struct net_device *dev, __be32 dst, __be32 local, int  
scope);  
+extern __be32 inet_confirm_addr(struct in_device *in_dev, __be32 dst, __be32 local, int scope);  
extern struct in_ifaddr *inet_ifa_byprefix(struct in_device *in_dev, __be32 prefix, __be32 mask);  
  
static __inline__ int inet_ifa_match(__be32 addr, struct in_ifaddr *ifa)  
diff --git a/net/ipv4/arp.c b/net/ipv4/arp.c  
index e944d98..f38e1a9 100644  
--- a/net/ipv4/arp.c  
+++ b/net/ipv4/arp.c  
@@ -382,8 +382,7 @@ static void arp_solicit(struct neighbour *neigh, struct sk_buff *skb)  
    read_unlock_bh(&neigh->lock);  
}  
  
-static int arp_ignore(struct in_device *in_dev, struct net_device *dev,  
-    __be32 sip, __be32 tip)  
+static int arp_ignore(struct in_device *in_dev, __be32 sip, __be32 tip)  
{  
    int scope;  
  
@@ -403,7 +402,7 @@ static int arp_ignore(struct in_device *in_dev, struct net_device *dev,  
    case 3: /* Do not reply for scope host addresses */
```

```

sip = 0;
scope = RT_SCOPE_LINK;
- dev = NULL;
+ in_dev = NULL;
break;
case 4: /* Reserved */
case 5:
@@ -415,7 +414,7 @@ static int arp_ignore(struct in_device *in_dev, struct net_device *dev,
default:
return 0;
}
- return !inet_confirm_addr(dev, sip, tip, scope);
+ return !inet_confirm_addr(in_dev, sip, tip, scope);
}

static int arp_filter(__be32 sip, __be32 tip, struct net_device *dev)
@@ -807,7 +806,7 @@ static int arp_process(struct sk_buff *skb)
if (sip == 0) {
if (arp->ar_op == htons(ARPOP_REQUEST) &&
inet_addr_type(&init_net, tip) == RTN_LOCAL &&
- !arp_ignore(in_dev, dev, sip, tip))
+ !arp_ignore(in_dev, sip, tip))
arp_send(ARPOP_REPLY, ETH_P_ARP, sip, dev, tip, sha,
dev->dev_addr, sha);
goto out;
@@ -825,7 +824,7 @@ static int arp_process(struct sk_buff *skb)
int dont_send = 0;

if (!dont_send)
- dont_send |= arp_ignore(in_dev, dev, sip, tip);
+ dont_send |= arp_ignore(in_dev, sip, tip);
if (!dont_send && IN_DEV_ARPFILTER(in_dev))
dont_send |= arp_filter(sip, tip, dev);
if (!dont_send)
diff --git a/net/ipv4/devinet.c b/net/ipv4/devinet.c
index 03db15b..dc1665a 100644
--- a/net/ipv4/devinet.c
+++ b/net/ipv4/devinet.c
@@ -968,24 +968,19 @@ static __be32 confirm_addr_indev(struct in_device *in_dev, __be32
dst,
/*
 * Confirm that local IP address exists using wildcards:
- * - dev: only on this interface, 0=any interface
+ * - in_dev: only on this interface, 0=any interface
 * - dst: only in the same subnet as dst, 0=any dst
 * - local: address, 0=autoselect the local address
 * - scope: maximum allowed scope value for the local address

```

```
 */
-__be32 inet_confirm_addr(const struct net_device *dev, __be32 dst, __be32 local, int scope)
+__be32 inet_confirm_addr(struct in_device *in_dev,
+    __be32 dst, __be32 local, int scope)
{
    __be32 addr = 0;
- struct in_device *in_dev;
-
- if (dev) {
-     rCU_read_lock();
-     if ((in_dev = __in_dev_get_rcu(dev)))
-         addr = confirm_addr_indev(in_dev, dst, local, scope);
-     rCU_read_unlock();
+ struct net_device *dev;

-     return addr;
- }
+ if (in_dev != NULL)
+     return confirm_addr_indev(in_dev, dst, local, scope);

    read_lock(&dev_base_lock);
    rCU_read_lock();
--
```

1.5.3.rc5

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Subject: Re: [PATCH 1/2 net-2.6.25] [IPV4] Remove extra argument from arp\_ignore.

Posted by [davem](#) on Mon, 14 Jan 2008 14:37:53 GMT

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This patch series is numbered, but your other patch series sent a few moments ago had no sequence numbers in the subject lines or changelog.

How can I know what order to apply those in and do they need to go in before or after this set?

I shouldn't have to ask questions like this, so please help avoid confusion of this nature in the future.

Thanks.

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Subject: Re: [PATCH 1/2 net-2.6.25] [IPV4] Remove extra argument from arp\_ignore.

Posted by [den](#) on Mon, 14 Jan 2008 14:43:25 GMT

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David Miller wrote:

> This patch series is numbered, but your other patch series sent a few  
> moments ago had no sequence numbers in the subject lines or changelog.  
>  
> How can I know what order to apply those in and do they need to go in  
> before or after this set?  
>  
> I shouldn't have to ask questions like this, so please help avoid  
> confusion of this nature in the future.  
>  
> Thanks.  
>

non-numbered patches do not intersect with each other.

numbered ones depends on each other but not from the rest.

Sorry for inconvenience :(

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Subject: Re: [PATCH 1/2 net-2.6.25] [IPV4] Remove extra argument from arp\_ignore.

Posted by [den](#) on Mon, 14 Jan 2008 14:49:35 GMT

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Denis V. Lunev wrote:

> David Miller wrote:  
>> This patch series is numbered, but your other patch series sent a few  
>> moments ago had no sequence numbers in the subject lines or changelog.  
>>  
>> How can I know what order to apply those in and do they need to go in  
>> before or after this set?  
>>  
>> I shouldn't have to ask questions like this, so please help avoid  
>> confusion of this nature in the future.  
>>  
>> Thanks.  
>>  
>  
> non-numbered patches do not intersect with each other.  
>  
> numbered ones depends on each other but not from the rest.  
>  
> Sorry for inconvenience :(

I'll resend them for you convenience. Sorry again, I forgot that git  
checks indexes and this can be a problem.

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