Subject: Re: [PATCH 6/17 net-2.6.26] [NETNS]: Default arp parameters lookup.
Posted by Daniel Lezcano on Tue, 19 Feb 2008 15:16:43 GMT
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Daniel Lezcano wrote:
> Denis V. Lunev wrote:
>> On Tue, 2008-02-19 at 10:51 +0100, Daniel Lezcano wrote:
>>> Denis V. Lunev wrote:
>>>> On Tue, 2008-02-19 at 10:14 +0100, Daniel Lezcano wrote:
>>>>> Denis V. Lunev wrote:
>>>>>> Default ARP parameters should be findable regardless of the context.
>>>>>> Required to make inetdev_event working.
>>>>>>
>>>>>> Signed-off-by: Denis V. Lunev <den@openvz.org>
>>>>>> ---
>>>>>> net/core/neighbour.c | 4 +---
>>>>>> 1 files changed, 1 insertions(+), 3 deletions(-)
>>>>>>
>>>>>> diff --git a/net/core/neighbour.c b/net/core/neighbour.c
>>>>>> index c895ad4..45ed620 100644
>>>>>> --- a/net/core/neighbour.c
>>>>>> +++ b/net/core/neighbour.c
>>>>>> @@ -1275,9 +1275,7 @@ static inline struct neigh_parms
>>>>>> *lookup_neigh_params(struct neigh_table *tbl,
>>>>>>   struct neigh_parms *p;
>>>>>>
>>>>>>   for (p = &tbl->parms; p; p = p->next) {
>>>>>> -   if (p->net != net)
>>>>>> -   continue;
>>>>>> -   if ((p->dev && p->dev->ifindex == ifindex) ||
>>>>>> +   if ((p->dev && p->dev->ifindex == ifindex && p->net ==
>>>>>> net) ||
>>>>>>   (!p->dev && !ifindex))
>>>>>>   return p;
>>>>>>   }
>>>>> If the values are:
>>>>>   p->dev == NULL
>>>>>   ifindex == 0
>>>>>   p->net != net
>>>>>
>>>>> The parms should not be taken into account and the looping must
>>>>> continue. But with this modification it is not the case, if we
>>>>> specify parms ifindex == 0, the first parms with the dev field set
>>>>> to NULL will be taken belonging or not to the right net.
>>>> They should be taken. In the other case inetdev_event will fail for
>>>> sure
>>>> in the middle. You could check.
>>>>

>>>> These are ARP defaults and I do not see a problem for now to get them.
>>> Because there is a parms default per namespace. So several instances
>>> of them per nd table. That was the initial approach with Eric's
>>> patchset.
>>>
>>
>> These changes are not in mainstream and I do not want to touch ARP as
>> this is not a simple thing. In reality ARP will be needed only when
>> we'll have a real device inside a namespace.
>>
>> Right now I prefer to have minimal set of working changes to finish IP
>> and upper layers.
>
> core/neighbour.c is a common part between several protocols, especially
> ipv4 and ipv6. If you modify this function just to fit your need in the
> arp that will block me for ipv6 until you make parms default per
> namespace. So please, find another way to do that, perhaps just add a
> helper function.
>
> I suggest you do parms default per namespace first, it is quite small
> and easy :)
>
> Just let me the time to send the copy-parms-default function.

Ok, so after a long discussion with Denis about this patch, I will
change the ipv6 code to share the neigh->parms. It is not a problem.
Having the behavior of the neighbour subsystem per namespace is not a
must-have.

Acked-by: Daniel Lezcano <dlezcano@fr.ibm.com>