Subject: Re: [patch 3/4] Network namespaces: IPv4 FIB/routing in namespaces
Posted by Ben Greear on Wed, 28 Jun 2006 17:10:14 GMT
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Daniel Lezcano wrote:
> Kirill Korotaev wrote:
>
>>>>>> Structures related to IPv4 rounting (FIB and routing cache)
>>>>>> are made per-namespace.
>>>>
>>>>
>>>>
>>>> Hi Andrey,
>>>>
>>>> if the ressources are private to the namespace, how do you will
>>>> handle NFS mounted before creating the network namespace ? Do you
>>>> take care of that or simply assume you can't access NFS anymore ?
>>>
>>>
>>>
>>>
>>> This is a question that brings up another level of interaction between
>>> networking and the rest of kernel code.
>>> Solution that I use now makes the NFS communication part always run in
>>> the root namespace. This is discussable, of course, but it's a far more
>>> complicated matter than just device lists or routing :)
>>
>>
>> if we had containers (not namespaces) then it would be also possible
>> to run NFS in context of the appropriate container and thus each user
>> could mount NFS itself with correct networking context.

With a relatively small patch, I was able to make NFS bind to a particular
local IP (poor man's namespace with existing code). I also changed it so
that multiple mounts to the same destination (and with unique local mount
points) are treated as unique mounts. This patch was done so that I could
stress test NFS servers, but similar logic might work for namespace isolation
as well...

Ben

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