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Subject: [PATCH netns-2.6.25 0/19] routing virtualization

Posted by [den](#) on Wed, 19 Dec 2007 15:20:36 GMT

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Hi, David!

This set adds namespace support for routing tables & rules manipulation in the different namespaces. So, one could create a namespace and setup IPv4 routing there how he wants.

After this patch user will have the ability to configure and observe its own isolated set of routing rules/tables, but they all will be unused. I.e. routing decisions inside the network stack are still made based on the init\_net's rules. The reason for doing so is to have something self-consistent and not too huge :)

The sequence is the following:

- virtualize generic FIB rules operations
- change IPv4 FIB initialization sequence
- virtualize FIB tables access

After this, the 'ip' utility and the /proc interface will start working correctly inside a namespace, while the 'route' utility will not, because IP sockets currently cannot be created in non-init namespace.

Regards,  
Den

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