
Subject: [PATCH net-2.6.25 0/11] Combined set of sysctl reworks, cleanups and fixes

Posted by [Pavel Emelianov](#) on Tue, 04 Dec 2007 10:01:19 GMT

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Hi, David.

Herbert has accepted a set of patches with sysctl paths from Eric. The idea of the path is to eliminate the `ctl_table-s` that are used merely to denote the path to those tables, that really contain pointer on variables and proc handlers to change them. Thus, we can significantly reduce the vmlinux size and make the code much cleaner.

Another good point of "paths" is that they help to create per-netns sysctls. I have posted some patches, cleaning devinet and addrconf sysctls and they were accepted - this is the next step.

These patches depend on each other, but do some different things:

First 6 patches isolate `net/core/`, `net/ipv4/` and `net/token-ring` tables in their own `.c` files thus removing a some tables from the global scope. Next two patches make the similar thing for the `ipv6` sysctls.

9th patch merges handlers for two entries - `sys.net.ipv4.ip_forward` and `sys.net.conf.all.forwarding` as they really do the same thing.

The last two patches fix discrepancy, that I found in how proc handler and sysctl handler work for `net.<proto>.conf.<any>.forwarding` entry for both `ipv4` and `ipv6`.

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