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Subject: [PATCH 0/4] Fix the binary ipc and uts namespace sysctls.

Posted by [ebiederm](#) on Mon, 27 Nov 2006 04:59:26 GMT

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The binary interface to the namespace sysctls was never implemented resulting in some really weird things if you attempted to use `sys_sysctl` to read your hostname for example.

This patch series simplifies the code a little and implements the binary `sysctl` interface.

In testing this patch series I discovered that our 32bit compatibility for the binary `sysctl` interface is imperfect. In particular `KERN_SHMMAX` and `KERN_SMMALL` are `size_t` sized quantities and are returned as 8 bytes on 32bit binaries using a `x86_64` kernel. However this has existed for a long time so it is not a new regression with the namespace work.

Gads the whole `sysctl` thing needs work before it stops being easy to shoot yourself in the foot.

Looking forward a little bit we need a better way to handle `sysctls` and namespaces as our current technique will not work for the network namespace. I think something based on the current overlapping `sysctl` trees will work but the `proc` side needs to be redone before we can use it.

Eric

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