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Subject: Re: [PATCH 4/4] net: Implement the per network namespace sysctl infrastructure

Posted by [ebiederm](#) on Fri, 30 Nov 2007 21:49:25 GMT

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"Serge E. Hallyn" <serue@us.ibm.com> writes:

>  
> Hey Eric,  
>  
> the patches look nice.  
>  
> The hand-forcing of the passed-in net\_ns into a copy of current->nsproxy  
> does make it seem like nsproxy may not be the best choice of what to  
> pass in. Doesn't only net\_sysctl\_root->lookup() look at the argument?

Yes. Although I call it from \_\_register\_sysctl\_paths.

> But I assume you don't want to be more general than sending in a  
> nsproxy so as to dissuade abuse of this interface for needlessly complex  
> sysctl interfaces?

A bit of that. I would love to pass in a task\_struct so you can use anything from a task. The trouble is I don't have any task\_structs or nsproxys with the proper value at the point where I am first setting this up. Further I have to have the full sysctl lookup working or I could not call sysctl\_check.

> (Well I expect that'll become clear once the the patches using this  
> come out.)  
>  
> Are you planning to use this infrastructure for the uts and ipc  
> sysctls as well?

Yes. Where it comes in especially useful, is I can move /proc/sys to /proc/sys/<tgid>/task/<pid>/sys. And get a particular processes view of sysctl.

We also get a little more reuse of common functions.

Otherwise Pavel does have a point that using this for uts and ipc is not a savings lines of code wise.

After having seen Pavel changes I am asking myself if there is a sane way to remove the ctl\_name argument from the ctl\_path.

Anyway where I am with the nsproxy question was that I don't see anything easily better. What I have works and gets the job

done, and doesn't have any module unload races or holes where a sloppy programmer can mess up the sysctl tree. We needed a solution. Trying any harder to find something better would take ages. So I figured this implementation was good enough.

Eric

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Containers mailing list

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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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