

Stanislav Kinsbursky <[skinsbursky@parallels.com](mailto:skinsbursky@parallels.com)> writes:

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>>>> Doing that independently of the rest of the sysctls is pretty horrible  
>>>> and confusing to users. What I am planning might suit your needs and  
>>>> if not we need to talk some more about how to get the vfs to do  
>>>> something reasonable.  
>>>>

>>> Ok, Eric. Would be glad to discuss your sysctls plans.  
>>> But actually you already know my needs: I would like to make sysctls work in the  
>>> way like sysfs does: i.e. content of files depends on mount maker -  
>>> not viewer.

>>  
>> What drives the desire to have sysctls depend on the mount maker?  
>

> Because we can (will, actually) have nested fs root's for containers. IOW,  
> container's root will be accessible from it's creator context. And I want to  
> tune container's fs from creators context.

Tuning the child context from the parent context is an entirely  
reasonable thing to do. To affect a namespace that is not yours  
the requirement is simply that we don't use current to lookup the  
sysctl. So what I am proposing should work for your case.

>> Especially what drives that desire not to have it have a /proc/<pid>/sys  
>> directory that reflects the sysctls for a given process.  
>>  
>

> This is not so important for me, where to access sysctl's. But I'm worrying  
> about backward compatibility. IOW, I'm afraid of changing path  
> "/proc/sys/sunrpc/" to "/proc/<pid>/sys/sunrpc". This would break a lot of  
> user-space programs.

The part that keeps it all working is by adding a symlink from /proc/sys  
to /proc/self/sys. That technique has worked well for /proc/net, and I  
don't expect there will be any problems with /proc/sys either. It is  
possible but is very rare for the introduction of a symlink in a path  
to cause problems.

Eric

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