Subject: Re: [patch -mm 08/17] nsproxy: add hashtable
Posted by ebiederm on Tue, 12 Dec 2006 08:37:48 GMT
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Cedric Le Goater <clg@fr.ibm.com> writes:

> Dave Hansen wrote:
>> On Mon, 2006-12-11 at 16:23 +0100, Cedric Le Goater wrote:
>>>> Even letting the concept of nsproxy escape to user space sounds wrong.
>>>> nsproxy is an internal space optimization. It's not struct container
>>>> and I don't think we want it to become that.
>>> i don't agree here. we need that, so does openvz, vserver, people working
>>> on resource management.
>>
>> I think what those projects need is _some_ way to group tasks. I'm not
>> sure they actually need nsproxies.
>
> not only tasks. ipc, fs, etc.

What is the important aspect that you need to group. What concept
are you trying to convey?

How do you describe a container in which someone is using the
pam_namespace module? So different tasks in the container have
a different mount namespace?

>> Two tasks in the same container could very well have different
>> nsproxies. The nsproxy defines how the pid namespace, and pid<->task
>> mappings happen for a given task.
>
> not only. there are other namespaces in nsproxy.

The point is that there is not a one to one mapping between containers
and nsproxies. There are likely to be more nsproxies than containers.

>> The init process for a container is
>> special and might actually appear in more than one pid namespace, while
>> its children might only appear in one. That means that this init
>> process's nsproxy can and should actually be different from its
>> children's. This is despite the fact that they are in the same
>> container.
>>
>> If we really need this 'container' grouping, it can easily be something
>> pointed to _by_ the nsproxy, but it shouldn't _be_ the nsproxy.
>
> ok so let's add a container object, containing a nsproxy and add
> another indirection ...

Well that isn't what Dave suggested, and I don't think it will give you what you want.

Eric

_____
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