Subject: Re: [patch -mm 08/17] nsproxy: add hashtable Posted by Cedric Le Goater on Wed, 13 Dec 2006 15:09:27 GMT

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Eric W. Biederman wrote:

- > Kirill Korotaev <dev@sw.ru> writes:
- >
- >>> I think what those projects need is _some_ way to group tasks. I'm not
- >>> sure they actually need nsproxies.
- >>>
- >>> Two tasks in the same container could very well have different
- >>> nsproxies.
- >> what is container then from your POV?

>

- > A nested instance of user space. User space may unshare things
- > such as the mount namespace so it can give users the ability to
- > control their own mounts and the like.

>

- >>> The nsproxy defines how the pid namespace, and pid<->task
- >>> mappings happen for a given task. 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.
- >> nsproxy has references to all namespaces, not just pid namespace.
- >> Thus it is a container "view" effectively.
- >> If container is something different, then please define it.

>

- > nsproxy has exactly one instance of all namespaces. A container
- > in the general case can hold other containers, and near containers
- > (like processes with separate mount namespaces). As well as
- > processes.

>

- > So nsproxy currently captures the common case for containers but not
- > the general case.

i don't see the difference. honestly. what is the general case? the full system holding all the instances of all the namespaces? but that's not usable by user space. you need only one instance of all namespaces, not all.

I don't get it. we don't want the general case to be exposed to user space we only want one instance == nsproxy.

C.