Subject: Re: [RFC][PATCH] Do not set /proc inode->pid for non-pid-related inodes
Posted by serue on Mon, 26 Mar 2007 14:13:48 GMT

Quoting Eric W. Biederman (ebiederm@xmission.com):
> Dave Hansen <hansendc@us.ibm.com> writes:
>
> > So, doesn't that problem go away (or at least move to be umount's duty)
> > if we completely disconnect those inodes' lifetime from that of any
> > process or pid namespace?
>
> If the last process has exited the pid namespace I would like the
> code to continue to behave as it currently does.
>
> I would like readdir on /proc/ to not even try to show any pids when
> there are no pids or pid related files in the pid namespace.

In (at least one version of) Dave's patches, the /proc your pidns is
automatically used when you use /proc. In that case a /proc should
just go away when the last task goes away, since noone else can use
that /proc.

I like that behavior, because otherwise (a) we require every new
pid_namespace to start by remounting /proc ere they get undefined
behavior, and (b) to gain anything from it, we would need a way
to refer to another pidspace for the sake of mounting it's proc,
i.e.

 mount -t proc -o init_pid=7501 proc_vserver1 /vserver1/proc

-serge

> I would like /proc/self to completely disappear when the are not
> any pids in the pid namespace.
>
> I misspoke in when I said that /proc/<pid> was affected. The function
> is proc_pid_readdir and it is a subset of /proc/ so it gets a little
> confusing.
_____
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