Subject: Re: [PATCH v3] SUNRPC: set desired file system root before connecting local transports
Posted by bfields on Tue, 09 Oct 2012 22:31:39 GMT
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On Tue, Oct 09, 2012 at 01:20:48PM -0700, Eric W. Biederman wrote:
> "Myklebust, Trond" <Trond.Myklebust@netapp.com> writes:
>
> > On Tue, 2012-10-09 at 15:35 -0400, J. Bruce Fields wrote:
> >> Cc'ing Eric since I seem to recall he suggested doing it this way?
>
> Yes. On second look setting fs->root won't work. We need to change fs.
> The problem is that by default all kernel threads share fs so changing
> fs->root will have non-local consequences.

Oh, huh. And we can't "unshare" it somehow?

Or, previously you suggested:

 - introduce sockaddr_fd that can be applied to AF_UNIX sockets,
   and teach unix_bind and unix_connect how to deal with a second
   type of sockaddr, AT_FD:
   struct sockaddr_fd { short fd_family; short pad; int fd; }

 - introduce sockaddr_unix_at that takes a directory file
   descriptor as well as a unix path, and teach unix_bind and
   unix_connect to deal with a second sockaddr type, AF_UNIX_AT:
   struct sockaddr_unix_at { short family; short pad; int dfd; char path[102]; }

Any other options?

> I very much believe we want if at all possible to perform a local
> modification.
>
> Changing fs isn't all that different from what devtmpfs is doing.

Sorry, I don't know much about devtmpfs, are you suggesting it as a
model? What exactly should we look at?

--b.