Subject: Re: [PATCH v3] SUNRPC: set desired file system root before connecting local transports

Posted by bfields on Fri, 26 Oct 2012 17:52:54 GMT

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On Wed, Oct 10, 2012 at 02:32:28PM +0400, Stanislav Kinsbursky wrote:

- > >On Tue, Oct 09, 2012 at 03:47:42PM -0700, Eric W. Biederman wrote:
- >>>"J. Bruce Fields" <bfields@fieldses.org> writes:
- > >>
- >>>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?
- > >>
- >>>I don't fully understand how nfs uses kernel threads and work gueues.
- >>>My general understanding is work queues reuse their kernel threads
- >>>between different users. So it is mostly a don't pollute your
- >>>environment thing. If there was a dedicated kernel thread for each
- >>>environment this would be trivial.
- > >>
- >>>What I was suggesting here is changing task->fs instead of
- >>>task->fs.root. That should just require task\_lock().
- > >
- > >Oh, OK, got it--if that works, great.
- >>
- > The main problem with swapping fs struct is actually the same as in
- > root swapping. I.e. routines for copy fs struct are not exported.
- > It could be done on place, but I don't think, that Al Viro would
- > support such implementation.
- > Trond?

It seems like we got stalled here.... Could you go ahead and try a patch, and see what people think?

--b.