
Subject: Re: [PATCH] NFS: hard-code init_net for NFS callback transports
Posted by [bfields](#) on Tue, 12 Jun 2012 15:53:58 GMT

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On Mon, Jun 11, 2012 at 08:37:18AM -0400, J. Bruce Fields wrote:

> On Fri, Jun 01, 2012 at 01:55:47PM +0400, Stanislav Kinsbursky wrote:

> > This patch set is a bug fix for Bruce's 3.5 branch.

> > I'll rebase this for 3.4 and resend.

>

> Apologies for neglecting this, I'm done with the bakeathon and should be

> back to this soon.

>

> But, I'm a bit confused: you say you'll rebase this, but I've only seen

> two rebased patches for 3.4, and neither looks like a simple rebase of

> this one.

Oh, I see; the backport of "SUNRPC: new svc_bind() routine introduced" is a combination of the patch by the same name upstream with this one.

In future for backports I'd rather keep a one-to-one correspondance between the original patches and the backported patches. (Even if that means 4.2 might not be as "bisectable".)

Also, get this patch into stable by just adding a "cc: stable@vger.kernel.org" with the signed-off at the end of this patch.

I've gone ahead and fixed that up; results in the "for-3.4" and "for-3.5" branches of

`git://linux-nfs.org/~bfields/linux-topics.git`

Let me know if anything looks wrong.

--b.

>

> OK, I'll look more closely and probably I'll figure out. But in

> general, a little more detail in changelogs would help me process

> patches more quickly:

>

> - Please make sure it's clear whether a given patch is a bug

> fix, a new feature, or code reshuffling that isn't intended to

> change behavior. If it's a bug fix, tell me whether we've had

> the bug forever or whether it's a recent regression. And

> (relevant here) if it's a recent regression, reference the ID

> of the commit that introduced it.

> - If something is a backport, please reference in the changelog

> the commit ID of the backported patch, especially if it's not

```

> obviously the same.
>
> --b.
>
>
> >
> > In case of destroying mount namespace on child reaper exit, nsproxy is zeroed
> > to the point already. So, dereferencing of it is invalid.
> > This patch hard-code "init_net" for all network namespace references for NFS
> > callback services. This will be fixed with proper NFS callback
> > containerization.
> >
> > Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>
> > ---
> > fs/nfs/callback.c | 11 ++++++-----
> > 1 files changed, 5 insertions(+), 6 deletions(-)
> >
> > diff --git a/fs/nfs/callback.c b/fs/nfs/callback.c
> > index 970659d..23ff18f 100644
> > --- a/fs/nfs/callback.c
> > +++ b/fs/nfs/callback.c
> > @@ -17,7 +17,6 @@
> > #include <linux/kthread.h>
> > #include <linux/sunrpc/svcauth_gss.h>
> > #include <linux/sunrpc/bc_xprt.h>
> > -#include <linux/nsproxy.h>
> >
> > #include <net/inet_sock.h>
> >
> > @@ -107,7 +106,7 @@ nfs4_callback_up(struct svc_serv *serv, struct rpc_xprt *xprt)
> > {
> > int ret;
> >
> > - ret = svc_create_xprt(serv, "tcp", xprt->xprt_net, PF_INET,
> > + ret = svc_create_xprt(serv, "tcp", &init_net, PF_INET,
> >   nfs_callback_set_tcpport, SVC_SOCKET_ANONYMOUS);
> > if (ret <= 0)
> > goto out_err;
> > @@ -115,7 +114,7 @@ nfs4_callback_up(struct svc_serv *serv, struct rpc_xprt *xprt)
> > dprintf("NFS: Callback listener port = %u (af %u)\n",
> >   nfs_callback_tcpport, PF_INET);
> >
> > - ret = svc_create_xprt(serv, "tcp", xprt->xprt_net, PF_INET6,
> > + ret = svc_create_xprt(serv, "tcp", &init_net, PF_INET6,
> >   nfs_callback_set_tcpport, SVC_SOCKET_ANONYMOUS);
> > if (ret > 0) {
> >   nfs_callback_tcpport6 = ret;
> > @@ -184,7 +183,7 @@ nfs41_callback_up(struct svc_serv *serv, struct rpc_xprt *xprt)

```

```
>> * fore channel connection.
>> * Returns the input port (0) and sets the svc_serv bc_xprt on success
>> */
>> - ret = svc_create_xprt(serv, "tcp-bc", xprt->xprt_net, PF_INET, 0,
>> + ret = svc_create_xprt(serv, "tcp-bc", &init_net, PF_INET, 0,
>>     SVC_SOCKET_ANONYMOUS);
>> if (ret < 0) {
>>     rqstp = ERR_PTR(ret);
>> @@ -254,7 +253,7 @@ int nfs_callback_up(u32 minorversion, struct rpc_xprt *xprt)
>>     char svc_name[12];
>>     int ret = 0;
>>     int minorversion_setup;
>> - struct net *net = current->nsproxy->net_ns;
>> + struct net *net = &init_net;
>>
>>     mutex_lock(&nfs_callback_mutex);
>>     if (cb_info->users++ || cb_info->task != NULL) {
>> @@ -330,7 +329,7 @@ void nfs_callback_down(int minorversion)
>>     cb_info->users--;
>>     if (cb_info->users == 0 && cb_info->task != NULL) {
>>         kthread_stop(cb_info->task);
>> - svc_shutdown_net(cb_info->serv, current->nsproxy->net_ns);
>> + svc_shutdown_net(cb_info->serv, &init_net);
>>     svc_exit_thread(cb_info->rqstp);
>>     cb_info->serv = NULL;
>>     cb_info->rqst = NULL;
>>
```
