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Subject: [PATCH v2 01/12] NFS: pass net to nfs\_callback\_down()  
Posted by Stanislav Kinsbursky on Tue, 22 May 2012 07:35:55 GMT

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Signed-off-by: Stanislav Kinsbursky <[skinsbursky@parallels.com](mailto:skinsbursky@parallels.com)>

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```
fs/nfs/callback.c |  4 +---  
fs/nfs/callback.h |   2 +-  
fs/nfs/client.c  |   2 +-  
3 files changed, 4 insertions(+), 4 deletions(-)
```

```
diff --git a/fs/nfs/callback.c b/fs/nfs/callback.c  
index 970659d..f3d7ee2 100644  
--- a/fs/nfs/callback.c  
+++ b/fs/nfs/callback.c  
@@ -322,7 +322,7 @@ out_err:  
/*  
 * Kill the callback thread if it's no longer being used.  
 */  
-void nfs_callback_down(int minorversion)  
+void nfs_callback_down(int minorversion, struct net *net)  
{  
    struct nfs_callback_data *cb_info = &nfs_callback_info[minorversion];  
  
@@ -330,7 +330,7 @@ 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, net);  
    svc_exit_thread(cb_info->rqst);  
    cb_info->serv = NULL;  
    cb_info->rqst = NULL;  
diff --git a/fs/nfs/callback.h b/fs/nfs/callback.h  
index a5527c9..6d900cf 100644  
--- a/fs/nfs/callback.h  
+++ b/fs/nfs/callback.h  
@@ -194,7 +194,7 @@ extern __be32 nfs4_callback_recall(struct cb_recallargs *args, void  
*dummy,  
    struct cb_process_state *cps);  
#ifdef CONFIG_NFS_V4  
extern int nfs_callback_up(u32 minorversion, struct rpc_xprt *xprt);  
-extern void nfs_callback_down(int minorversion);  
+extern void nfs_callback_down(int minorversion, struct net *net);  
extern int nfs4_validate_delegation_stateid(struct nfs_delegation *delegation,  
    const nfs4_stateid *stateid);  
extern int nfs4_set_callback_sessionid(struct nfs_client *clp);  
diff --git a/fs/nfs/client.c b/fs/nfs/client.c
```

```
index da7b5e4..44cd70f 100644
--- a/fs/nfs/client.c
+++ b/fs/nfs/client.c
@@ -222,7 +222,7 @@ static void nfs4_shutdown_session(struct nfs_client *clp)
static void nfs4_destroy_callback(struct nfs_client *clp)
{
    if (__test_and_clear_bit(NFS_CS_CALLBACK, &clp->cl_res_state))
-    nfs_callback_down(clp->cl_mvops->minor_version);
+    nfs_callback_down(clp->cl_mvops->minor_version, clp->net);
}

static void nfs4_shutdown_client(struct nfs_client *clp)
```

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Subject: Re: [PATCH v2 01/12] NFS: pass net to nfs\_callback\_down()  
Posted by [bfields](#) on Thu, 24 May 2012 16:09:05 GMT

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I can see that you're passing net to nfs\_callback\_down(). Could you please remind me why? What problem does this solve?

--b.

On Tue, May 22, 2012 at 11:35:55AM +0400, Stanislav Kinsbursky wrote:

> Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

```
> ---
> fs/nfs/callback.c |  4 +---
> fs/nfs/callback.h |  2 ++
> fs/nfs/client.c  |  2 ++
> 3 files changed, 4 insertions(+), 4 deletions(-)
>
> diff --git a/fs/nfs/callback.c b/fs/nfs/callback.c
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> --- a/fs/nfs/callback.c
> +++ b/fs/nfs/callback.c
> @@ -322,7 +322,7 @@ out_err:
> /*
> * Kill the callback thread if it's no longer being used.
> */
> -void nfs_callback_down(int minorversion)
> +void nfs_callback_down(int minorversion, struct net *net)
> {
>     struct nfs_callback_data *cb_info = &nfs_callback_info[minorversion];
>
> @@ -330,7 +330,7 @@ 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, net);
>   svc_exit_thread(cb_info->rqst);
>   cb_info->serv = NULL;
>   cb_info->rqst = NULL;
> diff --git a/fs/nfs/callback.h b/fs/nfs/callback.h
> index a5527c9..6d900cf 100644
> --- a/fs/nfs/callback.h
> +++ b/fs/nfs/callback.h
> @@ -194,7 +194,7 @@ extern __be32 nfs4_callback_recall(struct cb_recallargs *args, void
> *dummy,
>     struct cb_process_state *cps);
> #ifdef CONFIG_NFS_V4
> extern int nfs_callback_up(u32 minorversion, struct rpc_xprt *xprt);
> -extern void nfs_callback_down(int minorversion);
> +extern void nfs_callback_down(int minorversion, struct net *net);
> extern int nfs4_validate_delegation_stateid(struct nfs_delegation *delegation,
>     const nfs4_stateid *stateid);
> extern int nfs4_set_callback_sessionid(struct nfs_client *clp);
> diff --git a/fs/nfs/client.c b/fs/nfs/client.c
> index da7b5e4..44cd70f 100644
> --- a/fs/nfs/client.c
> +++ b/fs/nfs/client.c
> @@ -222,7 +222,7 @@ static void nfs4_shutdown_session(struct nfs_client *clp)
> static void nfs4_destroy_callback(struct nfs_client *clp)
> {
>   if (_test_and_clear_bit(NFS_CS_CALLBACK, &clp->cl_res_state))
> - nfs_callback_down(clp->cl_mvops->minor_version);
> + nfs_callback_down(clp->cl_mvops->minor_version, clp->net);
> }
>
> static void nfs4_shutdown_client(struct nfs_client *clp)
>

```

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Subject: Re: [PATCH v2 01/12] NFS: pass net to nfs\_callback\_down()  
 Posted by [Stanislav Kinsbursky](#) on Thu, 24 May 2012 19:47:53 GMT

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> I can see that you're passing net to nfs\_callback\_down(). Could you  
 > please remind me why? What problem does this solve?

Callback in a kernel thread and this thread is one for all NFSv4.{0,1} clients.

Thus, is have to be containerized as Lockd kthread.

This patch set does containerization in the same way as Lockd done.

I forgot about it when I was working on NFS client containerization. So,

it really hope, that this patch set will be a part of 3.5 kernel.

```
> --b.  
>  
> On Tue, May 22, 2012 at 11:35:55AM +0400, Stanislav Kinsbursky wrote:  
>> Signed-off-by: Stanislav Kinsbursky<skinsbursky@parallels.com>  
>> ---  
>> fs/nfs/callback.c | 4 +++-  
>> fs/nfs/callback.h | 2 +-  
>> fs/nfs/client.c | 2 +-  
>> 3 files changed, 4 insertions(+), 4 deletions(-)  
>>  
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>> +void nfs_callback_down(int minorversion, struct net *net)  
>> {  
>>     struct nfs_callback_data *cb_info = &nfs_callback_info[minorversion];  
>>  
>> @@ -330,7 +330,7 @@ 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, net);  
>>     svc_exit_thread(cb_info->rqst);  
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>> +extern void nfs_callback_down(int minorversion, struct net *net);  
>>     extern int nfs4_validate_delegation_stateid(struct nfs_delegation *delegation,  
>>         const nfs4_stateid *stateid);  
>>     extern int nfs4_set_callback_sessionid(struct nfs_client *clp);
```

```
>> diff --git a/fs/nfs/client.c b/fs/nfs/client.c
>> index da7b5e4..44cd70f 100644
>> --- a/fs/nfs/client.c
>> +++ b/fs/nfs/client.c
>> @@ -222,7 +222,7 @@ static void nfs4_shutdown_session(struct nfs_client *clp)
>>   static void nfs4_destroy_callback(struct nfs_client *clp)
>> {
>>   if (__test_and_clear_bit(NFS_CS_CALLBACK,&clp->cl_res_state))
>> - nfs_callback_down(clp->cl_mvops->minor_version);
>> + nfs_callback_down(clp->cl_mvops->minor_version, clp->net);
>> }
>>
>> static void nfs4_shutdown_client(struct nfs_client *clp)
>>
```

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