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Subject: [PATCH v2 4/5] NFS: remove RPC PipeFS mount point reference from  
blocklayout routines

Posted by [Stanislav Kinsbursky](#) on Tue, 10 Jan 2012 13:04:40 GMT

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This is a cleanup patch. We don't need this reference anymore, because  
blocklayout pipes dentries now creates and destroys in per-net operations and  
on PipeFS mount/umount notification.

Note that nfs4blocklayout\_register\_net() now returns 0 instead of -ENOENT in  
case of PipeFS superblock absence. This is ok, because blocklayout pipe dentry  
will be created on PipeFS mount event.

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

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fs/nfs/blocklayout/blocklayout.c | 9 +-----  
1 files changed, 1 insertions(+), 8 deletions(-)

```
diff --git a/fs/nfs/blocklayout/blocklayout.c b/fs/nfs/blocklayout/blocklayout.c
index 322d920..2c70202 100644
--- a/fs/nfs/blocklayout/blocklayout.c
+++ b/fs/nfs/blocklayout/blocklayout.c
@@ -1034,7 +1034,7 @@ static struct dentry *nfs4blocklayout_register_net(struct net *net,
pipefs_sb = rpc_get_sb_net(net);
if (!pipefs_sb)
- return ERR_PTR(-ENOENT);
+ return 0;
dentry = nfs4blocklayout_register_sb(pipefs_sb, pipe);
rpc_put_sb_net(net);
return dentry;
@@ -1085,7 +1085,6 @@ static struct pernet_operations nfs4blocklayout_net_ops = {

static int __init nfs4blocklayout_init(void)
{
- struct vfsmount *mnt;
int ret;

dprintk("%s: NFSv4 Block Layout Driver Registering...\n", __func__);
@@ -1095,12 +1094,6 @@ static int __init nfs4blocklayout_init(void)
goto out;

init_waitqueue_head(&bl_wq);
-
- mnt = rpc_get_mount();
- if (IS_ERR(mnt)) {
- ret = PTR_ERR(mnt);
- goto out_remove;
```

```
- }
ret = rpc_pipefs_notifier_register(&nfs4blocklayout_block);
if (ret)
goto out_remove;
```

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Subject: Re: [PATCH v2 4/5] NFS: remove RPC PipeFS mount point reference from  
blocklayout routines

Posted by [Myklebust, Trond](#) on Wed, 11 Jan 2012 18:33:13 GMT

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On Tue, 2012-01-10 at 17:04 +0400, Stanislav Kinsbursky wrote:

> This is a cleanup patch. We don't need this reference anymore, because  
> blocklayout pipes dentries now creates and destroys in per-net operations and  
> on PipeFS mount/umount notification.  
> Note that nfs4blocklayout\_register\_net() now returns 0 instead of -ENOENT in  
> case of PipeFS superblock absence. This is ok, because blocklayout pipe dentry  
> will be created on PipeFS mount event.

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> Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>  
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> @@ -1034,7 +1034,7 @@ static struct dentry \*nfs4blocklayout\_register\_net(struct net \*net,  
>  
> pipefs\_sb = rpc\_get\_sb\_net(net);  
> if (!pipefs\_sb)  
> - return ERR\_PTR(-ENOENT);  
> + return 0;

This looks like a typo of some sort. The caller in  
nfs4blocklayout\_net\_init() checks for IS\_ERR(), not NULL. I'll just  
remove this hunk...

> dentry = nfs4blocklayout\_register\_sb(pipefs\_sb, pipe);
> rpc\_put\_sb\_net(net);
> return dentry;
> @@ -1085,7 +1085,6 @@ static struct pernet\_operations nfs4blocklayout\_net\_ops = {
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> {
> - struct vfsmount \*mnt;

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> int ret;
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>     goto out;
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> - mnt = rpc_get_mount();
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> - }
>     ret = rpc_pipefs_notifier_register(&nfs4blocklayout_block);
>     if (ret)
>         goto out_remove;
>
> --
> To unsubscribe from this list: send the line "unsubscribe linux-nfs" in
> the body of a message to majordomo@vger.kernel.org
> More majordomo info at http://vger.kernel.org/majordomo-info.html
```

--  
Trond Myklebust  
Linux NFS client maintainer

NetApp  
[Trond.Myklebust@netapp.com](mailto:Trond.Myklebust@netapp.com)  
[www.netapp.com](http://www.netapp.com)

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Subject: Re: [PATCH v2 4/5] NFS: remove RPC PipeFS mount point reference from  
blocklayout routines

Posted by [Myklebust, Trond](#) on Wed, 11 Jan 2012 18:36:17 GMT

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On Wed, 2012-01-11 at 13:33 -0500, Trond Myklebust wrote:

> On Tue, 2012-01-10 at 17:04 +0400, Stanislav Kinsbursky wrote:  
> > This is a cleanup patch. We don't need this reference anymore, because  
> > blocklayout pipes dentries now creates and destroys in per-net operations and  
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> > will be created on PipeFS mount event.  
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> > Signed-off-by: Stanislav Kinsbursky <[skinsbursky@parallels.com](mailto:skinsbursky@parallels.com)>  
> >  
> > ---

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>>
>>     pipefs_sb = rpc_get_sb_net(net);
>>     if (!pipefs_sb)
>> -    return ERR_PTR(-ENOENT);
>> +
>>     return 0;
>
> This looks like a typo of some sort. The caller in
> nfs4blocklayout_net_init() checks for IS_ERR(), not NULL. I'll just
> remove this hunk...
```

Never mind. I see what's going on now... It should be NULL, and not 0 for coding style reasons, though...

--  
Trond Myklebust  
Linux NFS client maintainer

NetApp  
Trond.Myklebust@netapp.com  
www.netapp.com

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Subject: Re: [PATCH v2 4/5] NFS: remove RPC PipeFS mount point reference from blocklayout routines

Posted by [Stanislav Kinsbursky](#) on Thu, 12 Jan 2012 08:45:25 GMT

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> On Wed, 2012-01-11 at 13:33 -0500, Trond Myklebust wrote:  
>> On Tue, 2012-01-10 at 17:04 +0400, Stanislav Kinsbursky wrote:  
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>>>     pipefs_sb = rpc_get_sb_net(net);
>>>     if (!pipefs_sb)
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>>>     return 0;
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>> This looks like a typo of some sort. The caller in
>> nfs4blocklayout_net_init() checks for IS_ERR(), not NULL. I'll just
>> remove this hunk...
>
> Never mind. I see what's going on now... It should be NULL, and not 0
> for coding style reasons, though...
>
```

Yep, NULL of course, sorry.

--  
Best regards,  
Stanislav Kinsbursky