
Subject: [PATCH v3, RESEND 15/16] sunrpc: remove global init_rpc_pipesfs
Posted by [Kirill A. Shutemov](#) on Tue, 08 Feb 2011 18:42:06 GMT

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Replace remaining init_rpc_pipesfs references with get_rpc_pipesfs(NULL)
and make init_rpc_pipesfs static.

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Reviewed-by: Rob Landley <rlandley@parallels.com>

```
fs/nfsd/nfs4callback.c      |  5 +----  
fs/nfsd/nfssvc.c          | 16 ++++++-----  
include/linux/sunrpc/rpc_pipe_fs.h |  2 --  
net/sunrpc/rpc_pipe.c       |  1 -  
4 files changed, 18 insertions(+), 6 deletions(-)
```

```
diff --git a/fs/nfsd/nfs4callback.c b/fs/nfsd/nfs4callback.c  
index 6636ab2..3048988 100644  
--- a/fs/nfsd/nfs4callback.c  
+++ b/fs/nfsd/nfs4callback.c  
@@ -646,7 +646,6 @@ static int setup_callback_client(struct nfs4_client *clp, struct  
nfs4_cb_conn *c  
.version = 0,  
.authflavor = clp->cl_flavor,  
.flags = (RPC_CLNT_CREATE_NOPING | RPC_CLNT_CREATE QUIET),  
- .rpcmount = init_rpc_pipesfs,  
};  
struct rpc_clnt *client;  
  
@@ -666,8 +665,12 @@ static int setup_callback_client(struct nfs4_client *clp, struct  
nfs4_cb_conn *c  
args.prognumber = clp->cl_cb_session->se_cb_prog;  
args.protocol = XPRT_TRANSPORT_BC_TCP;  
}  
+ args.rpcmount = get_rpc_pipesfs(NULL);  
+ if (IS_ERR(args.rpcmount))  
+ return PTR_ERR(args.rpcmount);  
/* Create RPC client */  
client = rpc_create(&args);  
+ mnput(args.rpcmount);  
if (IS_ERR(client)) {  
dprintk("NFSD: couldn't create callback client: %ld\n",  
PTR_ERR(client));  
diff --git a/fs/nfsd/nfssvc.c b/fs/nfsd/nfssvc.c  
index dc11012..a10b1439 100644  
--- a/fs/nfsd/nfssvc.c  
+++ b/fs/nfsd/nfssvc.c  
@@ -206,6 +206,7 @@ static bool nfsd_up = false;
```

```

static int nfsd_startup(unsigned short port, int nrsvs)
{
    int ret;
+ struct vfsmount *rpcmount;

    if (nfsd_up)
        return 0;
@@ -220,7 +221,13 @@ static int nfsd_startup(unsigned short port, int nrsvs)
    ret = nfsd_init_socks(port);
    if (ret)
        goto out_racache;
- ret = lockd_up(init_rpc_pipefs);
+ rpcmount = get_rpc_pipefs(NULL);
+ if (IS_ERR(rpcmount)) {
+     ret = PTR_ERR(rpcmount);
+     goto out_racache;
+ }
+ ret = lockd_up(rpcmount);
+ mntput(rpcmount);
    if (ret)
        goto out_racache;
    ret = nfs4_state_start();
@@ -308,6 +315,7 @@ static void set_max_drc(void)
int nfsd_create_serv(void)
{
    int err = 0;
+ struct vfsmount *rpcmount;

    WARN_ON(!mutex_is_locked(&nfsd_mutex));
    if (nfsd_serv) {
@@ -332,9 +340,13 @@ int nfsd_create_serv(void)
    }
    nfsd_reset_versions();

- nfsd_serv = svc_create_pooled(&nfsd_program, init_rpc_pipefs,
+ rpcmount = get_rpc_pipefs(NULL);
+ if (IS_ERR(rpcmount))
+     return PTR_ERR(rpcmount);
+ nfsd_serv = svc_create_pooled(&nfsd_program, rpcmount,
            nfsd_max_blksize, nfsd_last_thread, nfsd,
            THIS_MODULE);
+ mntput(rpcmount);
    if (nfsd_serv == NULL)
        return -ENOMEM;

diff --git a/include/linux/sunrpc/rpc_pipe_fs.h b/include/linux/sunrpc/rpc_pipe_fs.h
index 4a8830a..a0b9c46 100644
--- a/include/linux/sunrpc/rpc_pipe_fs.h

```

```
+++ b/include/linux/sunrpc/rpc_pipe_fs.h
@@ -44,8 +44,6 @@ RPC_I(struct inode *inode)
    return container_of(inode, struct rpc_inode, vfs_inode);
}

-extern struct vfsmount *init_rpc_pipefs;
-
extern struct vfsmount *get_rpc_pipefs(const char *path);
extern int rpc_pipefs_add_destroy_cb(struct super_block *sb,
    void (*destroy_cb)(void *data), void *data);
diff --git a/net/sunrpc/rpc_pipe.c b/net/sunrpc/rpc_pipe.c
index f824f33..7c16261 100644
--- a/net/sunrpc/rpc_pipe.c
+++ b/net/sunrpc/rpc_pipe.c
@@ -33,7 +33,6 @@
#include <linux/sunrpc/cache.h>

struct vfsmount *init_rpc_pipefs __read_mostly;
-EXPORT_SYMBOL_GPL(init_rpc_pipefs);

static struct file_system_type rpc_pipe_fs_type;

--
```

1.7.4

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