
Subject: [PATCH v3, RESEND 03/16] sunrpc: push init_rpc_pipefs up to
rpc_create() callers

Posted by [Kirill A. Shutemov](#) on Tue, 08 Feb 2011 18:41:54 GMT

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```
fs/lockd/host.c      | 2 ++
fs/lockd/mon.c       | 2 ++
fs/nfs/client.c      | 2 ++
fs/nfs/mount_clnt.c  | 2 ++
fs/nfsd/nfs4callback.c | 2 ++
include/linux/sunrpc/clnt.h | 1 +
net/sunrpc/clnt.c     | 11 ++++++----
net/sunrpc/rpcb_clnt.c | 3 +++
8 files changed, 21 insertions(+), 4 deletions(-)
```

diff --git a/fs/lockd/host.c b/fs/lockd/host.c

index b7c99bf..45e973f 100644

--- a/fs/lockd/host.c

+++ b/fs/lockd/host.c

@@ -14,6 +14,7 @@

#include <linux/in6.h>

#include <linux/sunrpc/clnt.h>

#include <linux/sunrpc/svc.h>

+#include <linux/sunrpc/rpc_pipe_fs.h>

#include <linux/lockd/lockd.h>

#include <linux/mutex.h>

@@ -463,6 +464,7 @@ nlm_bind_host(struct nlm_host *host)

.authflavor = RPC_AUTH_UNIX,

.flags = (RPC_CLNT_CREATE_NOPING |

RPC_CLNT_CREATE_AUTOBIND),

+ .rpcmount = init_rpc_pipefs,

};

/*

diff --git a/fs/lockd/mon.c b/fs/lockd/mon.c

index 23d7451..6219026 100644

--- a/fs/lockd/mon.c

+++ b/fs/lockd/mon.c

@@ -15,6 +15,7 @@

#include <linux/sunrpc/clnt.h>

#include <linux/sunrpc/xprtsock.h>

#include <linux/sunrpc/svc.h>

+#include <linux/sunrpc/rpc_pipe_fs.h>

#include <linux/lockd/lockd.h>

```

#include <asm/unaligned.h>
@@ -78,6 +79,7 @@ static struct rpc_clnt *nsm_create(void)
    .version = NSM_VERSION,
    .authflavor = RPC_AUTH_NULL,
    .flags = RPC_CLNT_CREATE_NOPING,
+ .rpcmount = init_rpc_pipefs,
};

    return rpc_create(&args);
diff --git a/fs/nfs/client.c b/fs/nfs/client.c
index bd3ca32..0e0a952 100644
--- a/fs/nfs/client.c
+++ b/fs/nfs/client.c
@@ -25,6 +25,7 @@
#include <linux/sunrpc/metrics.h>
#include <linux/sunrpc/xprtsock.h>
#include <linux/sunrpc/xprtrdma.h>
+#include <linux/sunrpc/rpc_pipe_fs.h>
#include <linux/nfs_fs.h>
#include <linux/nfs_mount.h>
#include <linux/nfs4_mount.h>
@@ -628,6 +629,7 @@ static int nfs_create_rpc_client(struct nfs_client *clp,
    .program = &nfs_program,
    .version = clp->rpc_ops->version,
    .authflavor = flavor,
+ .rpcmount = init_rpc_pipefs,
};

    if (discrtry)
diff --git a/fs/nfs/mount_clnt.c b/fs/nfs/mount_clnt.c
index d4c2d6b..6227875 100644
--- a/fs/nfs/mount_clnt.c
+++ b/fs/nfs/mount_clnt.c
@@ -13,6 +13,7 @@
#include <linux/in.h>
#include <linux/sunrpc/clnt.h>
#include <linux/sunrpc/sched.h>
+#include <linux/sunrpc/rpc_pipe_fs.h>
#include <linux/nfs_fs.h>
#include "internal.h"

@@ -161,6 +162,7 @@ int nfs_mount(struct nfs_mount_request *info)
    .program = &mnt_program,
    .version = info->version,
    .authflavor = RPC_AUTH_UNIX,
+ .rpcmount = init_rpc_pipefs,
};

```

```

    struct rpc_clnt *mnt_clnt;
    int status;
diff --git a/fs/nfsd/nfs4callback.c b/fs/nfsd/nfs4callback.c
index 3be975e..6636ab2 100644
--- a/fs/nfsd/nfs4callback.c
+++ b/fs/nfsd/nfs4callback.c
@@ -33,6 +33,7 @@

#include <linux/sunrpc/clnt.h>
#include <linux/sunrpc/svc_xprt.h>
+#include <linux/sunrpc/rpc_pipe_fs.h>
#include <linux/slab.h>
#include "nfsd.h"
#include "state.h"
@@ -645,6 +646,7 @@ 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_pipefs,
};
    struct rpc_clnt *client;

diff --git a/include/linux/sunrpc/clnt.h b/include/linux/sunrpc/clnt.h
index ef9476a..dffaaaa 100644
--- a/include/linux/sunrpc/clnt.h
+++ b/include/linux/sunrpc/clnt.h
@@ -116,6 +117,7 @@ struct rpc_create_args {
    unsigned long flags;
    char *client_name;
    struct svc_xprt *bc_xprt; /* NFSv4.1 backchannel */
+ struct vfsmount *rpcmount;
};

/* Values for "flags" field */
diff --git a/net/sunrpc/clnt.c b/net/sunrpc/clnt.c
index f3812d0..6e1d923 100644
--- a/net/sunrpc/clnt.c
+++ b/net/sunrpc/clnt.c
@@ -96,7 +97,8 @@ static void rpc_unregister_client(struct rpc_clnt *clnt)
}

static int
-rpc_setup_pipedir(struct rpc_clnt *clnt, char *dir_name)
+rpc_setup_pipedir(struct rpc_clnt *clnt, struct vfsmount *rpcmount,
+ char *dir_name)
{
    static uint32_t clntid;

```

```

    struct nameidata nd;
@@ -112,7 +113,7 @@ rpc_setup_pipedir(struct rpc_clnt *clnt, char *dir_name)
    if (dir_name == NULL)
        return 0;

- path.mnt = mntget(init_rpc_pipefs);
+ path.mnt = mntget(rpcmount);
    error = vfs_path_lookup(path.mnt->mnt_root, path.mnt, dir_name, 0, &nd);
    if (error)
        goto err;
@@ -226,7 +227,8 @@ static struct rpc_clnt * rpc_new_client(const struct rpc_create_args *args,
stru

    atomic_set(&clnt->cl_count, 1);

- err = rpc_setup_pipedir(clnt, program->pipe_dir_name);
+ BUG_ON(!args->rpcmount);
+ err = rpc_setup_pipedir(clnt, args->rpcmount, program->pipe_dir_name);
    if (err < 0)
        goto out_no_path;

@@ -390,7 +392,8 @@ rpc_clone_client(struct rpc_clnt *clnt)
    goto out_no_principal;
}
    atomic_set(&new->cl_count, 1);
- err = rpc_setup_pipedir(new, clnt->cl_program->pipe_dir_name);
+ err = rpc_setup_pipedir(new, clnt->cl_path.mnt,
+ clnt->cl_program->pipe_dir_name);
    if (err != 0)
        goto out_no_path;
    if (new->cl_auth)
diff --git a/net/sunrpc/rpcb_clnt.c b/net/sunrpc/rpcb_clnt.c
index c652e4c..b059cbe 100644
--- a/net/sunrpc/rpcb_clnt.c
+++ b/net/sunrpc/rpcb_clnt.c
@@ -27,6 +27,7 @@
#include <linux/sunrpc/clnt.h>
#include <linux/sunrpc/sched.h>
#include <linux/sunrpc/xprtsock.h>
+#include <linux/sunrpc/rpc_pipe_fs.h>

#ifdef RPC_DEBUG
# define RPCDBG_FACILITY RPCDBG_BIND
@@ -182,6 +183,7 @@ static int rpcb_create_local(void)
    .version = RPCBVERS_2,
    .authflavor = RPC_AUTH_UNIX,
    .flags = RPC_CLNT_CREATE_NOPING,
+ .rpcmount = init_rpc_pipefs,

```

```

};
struct rpc_clnt *clnt, *clnt4;
int result = 0;
@@ -236,6 +238,7 @@ static struct rpc_clnt *rpcb_create(char *hostname, struct sockaddr
*srvaddr,
    .authflavor = RPC_AUTH_UNIX,
    .flags = (RPC_CLNT_CREATE_NOPING |
        RPC_CLNT_CREATE_NONPRIVPORT),
+ .rpcmount = init_rpc_pipefs,
};

```

```

switch (srvaddr->sa_family) {

```

```
--
```

1.7.4

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
