Subject: [PATCH v3 03/16] sunrpc: push init_rpc_pipefs up to rpc_create() callers
Posted by Kirill A. Shutemov on Fri, 14 Jan 2011 13:49:01 GMT
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Signed-off-by: Kirill A. Shutemov <kas@openvz.org>
---
 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 5f1bcb2..7ed06d2 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 192f2f8..36847f8 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 21a63da..9bec643 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"
@@ -646,6 +647,7 @@ int setup_callback_client(struct nfs4_client *clp, struct nfs4_cb_conn
*conn)
   .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 +116,7 @@ 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 +96,8 @@ 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) {
--
1.7.3.4
```

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