
Subject: [PATCH v3 01/16] sunrpc: mount rpc_pipefs on initialization

Posted by [Kirill A. Shutemov](#) on Fri, 14 Jan 2011 13:48:59 GMT

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Mount rpc_pipefs on register_rpc_pipefs() and replace
rpc_get_mount()/rpc_put_mount() implementation with mntget()/mntput().

This commit introduces temporary regression: there is no way to
remove the module. It will be fixed at the end of the patchset.

Signed-off-by: Kirill A. Shutemov <kas@openvz.org>

net/sunrpc/rpc_pipe.c | 26 ++++++-----
1 files changed, 15 insertions(+), 11 deletions(-)

```
diff --git a/net/sunrpc/rpc_pipe.c b/net/sunrpc/rpc_pipe.c
index 72bc536..9ab9355 100644
--- a/net/sunrpc/rpc_pipe.c
+++ b/net/sunrpc/rpc_pipe.c
@@ -29,7 +29,6 @@ 
 #include <linux/sunrpc/cache.h>

 static struct vfsmount *rpc_mnt __read_mostly;
-static int rpc_mount_count;

 static struct file_system_type rpc_pipe_fs_type;

@@ -423,18 +422,13 @@ struct rpc_filelist {

 struct vfsmount *rpc_get_mount(void)
{
- int err;
-
- err = simple_pin_fs(&rpc_pipe_fs_type, &rpc_mnt, &rpc_mount_count);
- if (err != 0)
- return ERR_PTR(err);
- return rpc_mnt;
+ return mntget(rpc_mnt);
}
EXPORT_SYMBOL_GPL(rpc_get_mount);

void rpc_put_mount(void)
{
- simple_release_fs(&rpc_mnt, &rpc_mount_count);
+ mntput(rpc_mnt);
}
EXPORT_SYMBOL_GPL(rpc_put_mount);
```

```
@@ -1071,12 +1065,22 @@ int register_rpc_pipefs(void)
 if (!rpc_inode_cachep)
     return -ENOMEM;
 err = register_filesystem(&rpc_pipe_fs_type);
- if (err) {
-     kmem_cache_destroy(rpc_inode_cachep);
-     return err;
+ if (err)
+     goto destroy_cache;
+
+ rpc_mnt = kern_mount(&rpc_pipe_fs_type);
+ if (IS_ERR(rpc_mnt)) {
+     err = PTR_ERR(rpc_mnt);
+     goto unregister_fs;
}

    return 0;
+
+unregister_fs:
+ unregister_filesystem(&rpc_pipe_fs_type);
+destroy_cache:
+ kmem_cache_destroy(rpc_inode_cachep);
+ return err;
}

void unregister_rpc_pipefs(void)
```

1.7.3.4

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