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