
Subject: [PATCH v3, RESEND 01/16] sunrpc: mount rpc_pipefs on initialization
Posted by Kirill A. Shutemov on Tue, 08 Feb 2011 18:41:52 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.

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

```
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)
```

```
--
```

```
1.7.4
```

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