
Subject: [PATCH v2 4/6] SUNRPC: remove RPC client pipefs dentries after unregister

Posted by [Stanislav Kinsbursky](#) on Wed, 11 Jan 2012 15:18:26 GMT

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Without this patch we have races:

```
rpc_fill_super  rpc_free_client
rpc_pipefs_event(MOUNT)  rpc_remove_pipedir
spin_lock(&rpc_client_lock);
rpc_setup_pipedir_sb
spin_unlock(&rpc_client_lock);
    spin_lock(&rpc_client_lock);
    (remove from list)
    spin_unlock(&rpc_client_lock);
    MEAMORY LEAKED
```

Signed-off-by: Stanislav Kinsbursky <skinsbursky@parallels.com>

net/sunrpc/clnt.c | 2 +-
1 files changed, 1 insertions(+), 1 deletions(-)

diff --git a/net/sunrpc/clnt.c b/net/sunrpc/clnt.c

index 4170745..c89ceb8 100644

--- a/net/sunrpc/clnt.c

+++ b/net/sunrpc/clnt.c

@@ -578,7 +578,6 @@ rpc_free_client(struct rpc_clnt *clnt)

```
{
    dprintk("RPC:    destroying %s client for %s\n",
        clnt->cl_protname, clnt->cl_server);
```

- rpc_clnt_remove_pipedir(clnt);

```
if (clnt->cl_parent != clnt) {
    rpc_release_client(clnt->cl_parent);
    goto out_free;
```

@@ -587,6 +586,7 @@ rpc_free_client(struct rpc_clnt *clnt)

```
kfree(clnt->cl_server);
```

out_free:

```
rpc_unregister_client(clnt);
```

+ rpc_clnt_remove_pipedir(clnt);

```
rpc_free_iostats(clnt->cl_metrics);
```

```
kfree(clnt->cl_principal);
```

```
clnt->cl_metrics = NULL;
```
