
Subject: [PATCH v2 1/4] SUNRPC: release per-net clients lock before calling PipeFS dentries creation

Posted by [Stanislav Kinsbursky](#) on Mon, 27 Feb 2012 15:50:55 GMT

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Lockdep is sad otherwise, because inode mutex is taken on PipeFS dentry creation, which can be called on mount notification, where this per-net client lock is taken on clients list walk.

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

net/sunrpc/clnt.c | 10 ++++++---

1 files changed, 7 insertions(+), 3 deletions(-)

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

index bb7ed2f3..ddb5741 100644

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

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

@@ -84,7 +84,7 @@ static void rpc_register_client(struct rpc_clnt *clnt)
 struct sunrpc_net *sn = net_generic(clnt->cl_xprt->xprt_net, sunrpc_net_id);

spin_lock(&sn->rpc_client_lock);
- list_add(&clnt->cl_clients, &sn->all_clients);
+ list_add_tail(&clnt->cl_clients, &sn->all_clients);
 spin_unlock(&sn->rpc_client_lock);
}

@@ -208,15 +208,19 @@ static int rpc_pipefs_event(struct notifier_block *nb, unsigned long event,

void *ptr)
{
 struct super_block *sb = ptr;
- struct rpc_clnt *clnt;
+ struct rpc_clnt *clnt, *tmp;
 int error = 0;
 struct sunrpc_net *sn = net_generic(sb->s_fs_info, sunrpc_net_id);

spin_lock(&sn->rpc_client_lock);
- list_for_each_entry(clnt, &sn->all_clients, cl_clients) {
+ list_for_each_entry_safe(clnt, tmp, &sn->all_clients, cl_clients) {
+ atomic_inc(&clnt->cl_count);
+ spin_unlock(&sn->rpc_client_lock);
 error = __rpc_pipefs_event(clnt, event, sb);
+ rpc_release_client(clnt);
 if (error)
 break;
+ spin_lock(&sn->rpc_client_lock);

```
}  
spin_unlock(&sn->rpc_client_lock);  
return error;
```
