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

Posted by [David Laight](#) on Mon, 27 Feb 2012 17:11:37 GMT

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```
> Gmmm.
> Please, correct me, if I'm wrong, that you are proposing
> something like this:
>
> spin_lock(&sn->rpc_client_lock);
> again:
> list_for_each_entry(clnt,&sn->all_clients, cl_clients) {
>   if ((event == RPC_PIPEFS_MOUNT) && clnt->cl_dentry) ||
>       (event == RPC_PIPEFS_UMOUNT) && !clnt->cl_dentry))
>     continue;
>   atomic_inc(&clnt->cl_count);
>   spin_unlock(&sn->rpc_client_lock);
>   error = __rpc_pipefs_event(clnt, event, sb);
>   rpc_release_client(clnt);
>   spin_lock(&sn->rpc_client_lock);
>   if (error)
>     break;
>   goto again;
> }
> spin_unlock(&sn->rpc_client_lock);
```

You might manage to request reference to the 'next' item while holding the lock. So maybe a loop that has:

```
error = ...
if (error) {
    rpc_release_client(clnt);
    break;
}
spin_lock(&sn->rpc_client_lock);
next_clnt = list_next(clnt);
if (next_clnt)
    atomic_inc(&next_clnt->cl_count);
spin_unlock(&sn->rpc_client_lock);
rpc_release_client(clnt);
clnt = next_clnt;
} while (clnt != NULL);
```

David
