
Subject: Re: [PATCH v6 1/8] SUNRPC: introduce helpers for reference counted
rpcbind clients

Posted by [Trond Myklebust](#) on Tue, 25 Oct 2011 12:45:50 GMT

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On Tue, 2011-10-25 at 16:41 +0400, Stanislav Kinsbursky wrote:

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> > On Tue, 2011-10-25 at 14:16 +0300, Stanislav Kinsbursky wrote:  
> >> v6:  
> >> 1) added write memory barrier to rpcb_set_local to make sure, that rpcbind  
> >> clients become valid before rpcb_users assignment  
> >> 2) explicitly set rpcb_users to 1 instead of incrementing it (looks clearer from  
> >> my pov).  
> >>  
> >> v5: fixed races with rpcb_users in rpcb_get_local()  
> >>  
> >> This helpers will be used for dynamical creation and destruction of rpcbind  
> >> clients.  
> >> Variable rpcb_users is actually a counter of lauched RPC services. If rpcbind  
> >> clients has been created already, then we just increase rpcb_users.  
> >>  
> >> Signed-off-by: Stanislav Kinsbursky<skinsbursky@parallels.com>  
> >>  
> >> ---  
> >> net/sunrpc/rpcb_clnt.c | 54 ++++++  
-----  
> >> 1 files changed, 54 insertions(+), 0 deletions(-)  
> >>  
> >> diff --git a/net/sunrpc/rpcb_clnt.c b/net/sunrpc/rpcb_clnt.c  
> >> index e45d2fb..9fcdb42 100644  
> >> --- a/net/sunrpc/rpcb_clnt.c  
> >> +++ b/net/sunrpc/rpcb_clnt.c  
> >> @@ -114,6 +114,9 @@ static struct rpc_program rpcb_program;  
> >> static struct rpc_clnt * rpcb_local_clnt;  
> >> static struct rpc_clnt * rpcb_local_clnt4;  
> >>  
> >> +DEFINE_SPINLOCK(rpcb_clnt_lock);  
> >> +unsigned int rpcb_users;  
> >> +  
> >> struct rpcbind_args {  
> >>   struct rpc_xprt * r_xprt;  
> >>  
> >> @@ -161,6 +164,57 @@ static void rpcb_map_release(void *data)  
> >>   kfree(map);  
> >> }  
> >>  
> >> +static int rpcb_get_local(void)  
> >> +{  
> >> + int cnt;
```

```

> >> +
> >> + spin_lock(&rpcb_clnt_lock);
> >> + if (rpcb_users)
> >> + rpcb_users++;
> >> + cnt = rpcb_users;
> >> + spin_unlock(&rpcb_clnt_lock);
> >> +
> >> + return cnt;
> >> +
> >> +
> >> +void rpcb_put_local(void)
> >> +{
> >> + struct rpc_clnt *clnt = rpcb_local_clnt;
> >> + struct rpc_clnt *clnt4 = rpcb_local_clnt4;
> >> + int shutdown;
> >> +
> >> + spin_lock(&rpcb_clnt_lock);
> >> + if (--rpcb_users == 0) {
> >> + rpcb_local_clnt = NULL;
> >> + rpcb_local_clnt4 = NULL;
> >> +
> >> + shutdown = !rpcb_users;
> >> + spin_unlock(&rpcb_clnt_lock);
> >> +
> >> + if (shutdown) {
> >> + /*
> >> + * cleanup_rpcb_clnt - remove xprtsock's sysctls, unregister
> >> + */
> >> + if (clnt4)
> >> + rpc_shutdown_client(clnt4);
> >> + if (clnt)
> >> + rpc_shutdown_client(clnt);
> >> +
> >> + return;
> >
> > I'm removing this before applying...
> >
> Sorry, but I don't understand what exactly you are removing, and why?

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The empty 'return' at the end of a void function: it is 100% redundant...

--
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