
Subject: [PATCH v5 3/6] SUNRPC: optimize net_ns dereferencing in rpcbind registering calls

Posted by [Stanislav Kinsbursky](#) on Fri, 13 Jan 2012 08:52:26 GMT

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Static rpcbind registering functions can be parametrized by network namespace pointer, calculated only once, instead of using init_net pointer (or taking it from current when virtualization will be completed) in many places.

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net/sunrpc/rpcb_clnt.c | 18 ++++++++-----

1 files changed, 9 insertions(+), 9 deletions(-)

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

index 3df276a..371d229 100644

--- a/net/sunrpc/rpcb_clnt.c

+++ b/net/sunrpc/rpcb_clnt.c

@@ -451,14 +451,14 @@ int rpcb_register(u32 prog, u32 vers, int prot, unsigned short port)

/*

* Fill in AF_INET family-specific arguments to register

*/

-static int rpcb_register_inet4(const struct sockaddr *sap,

+static int rpcb_register_inet4(struct sunrpc_net *sn,

+ const struct sockaddr *sap,

struct rpc_message *msg)

{

const struct sockaddr_in *sin = (const struct sockaddr_in *)sap;

struct rpcbind_args *map = msg->rpc_argp;

unsigned short port = ntohs(sin->sin_port);

int result;

- struct sunrpc_net *sn = net_generic(&init_net, sunrpc_net_id);

map->r_addr = rpc_sockaddr2uaddr(sap, GFP_KERNEL);

@@ -479,14 +479,14 @@ static int rpcb_register_inet4(const struct sockaddr *sap,

/*

* Fill in AF_INET6 family-specific arguments to register

*/

-static int rpcb_register_inet6(const struct sockaddr *sap,

+static int rpcb_register_inet6(struct sunrpc_net *sn,

+ const struct sockaddr *sap,

struct rpc_message *msg)

{

const struct sockaddr_in6 *sin6 = (const struct sockaddr_in6 *)sap;

struct rpcbind_args *map = msg->rpc_argp;

unsigned short port = ntohs(sin6->sin6_port);

```

int result;
- struct sunrpc_net *sn = net_generic(&init_net, sunrpc_net_id);

map->r_addr = rpc_sockaddr2uaddr(sap, GFP_KERNEL);

@@ -504,10 +504,10 @@ static int rpcb_register_inet6(const struct sockaddr *sap,
return result;
}

-static int rpcb_unregister_all_protocols(struct rpc_message *msg)
+static int rpcb_unregister_all_protocols(struct sunrpc_net *sn,
+      struct rpc_message *msg)
{
struct rpcbind_args *map = msg->rpc_argp;
- struct sunrpc_net *sn = net_generic(&init_net, sunrpc_net_id);

dprintk("RPC:      unregistering [%u, %u, '%s'] with "
"local rpcbind\n",
@@ -580,13 +580,13 @@ int rpcb_v4_register(const u32 program, const u32 version,
return -EPROTONOSUPPORT;

if (address == NULL)
- return rpcb_unregister_all_protocols(&msg);
+ return rpcb_unregister_all_protocols(sn, &msg);

switch (address->sa_family) {
case AF_INET:
- return rpcb_register_inet4(address, &msg);
+ return rpcb_register_inet4(sn, address, &msg);
case AF_INET6:
- return rpcb_register_inet6(address, &msg);
+ return rpcb_register_inet6(sn, address, &msg);
}

return -EAFNOSUPPORT;

```
