Subject: [PATCH 2/7] SUNRPC: register rpcbind programs in passed network namespase context
Posted by Stanislav Kinsbursky on Thu, 15 Dec 2011 16:01:18 GMT
View Forum Message <> Reply to Message

Registering rpcbind program requires rpcbind clients, which are per network
namespace context.

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

---
 include/linux/sunrpc/clnt.h | 5 +++--
 net/sunrpc/rpcb_clnt.c | 8 ++++++----
 net/sunrpc/svc.c | 10 +++++++---
 3 files changed, 12 insertions(+), 11 deletions(-)

diff --git a/include/linux/sunrpc/clnt.h b/include/linux/sunrpc/clnt.h
index 53afa56..1e56469 100644
--- a/include/linux/sunrpc/clnt.h
+++ b/include/linux/sunrpc/clnt.h
@@ -138,8 +138,9 @@ void rpc_task_release_client(struct rpc_task *);

 int rpcb_create_local(void);
 void rpcb_put_local(void);
-int rpcb_register(u32, u32, int, unsigned short);
-int rpcb_v4_register(const u32 program, const u32 version,
+int rpcb_register(struct net *, u32, u32, int, unsigned short);
+int rpcb_v4_register(struct net *net, const u32 program,
+   const u32 version,
      const struct sockaddr *address,
      const char *netid);
 void rpcb_getport_async(struct rpc_task *);
diff --git a/net/sunrpc/rpcb_clnt.c b/net/sunrpc/rpcb_clnt.c
index 43eff03..ea87b0c 100644
--- a/net/sunrpc/rpcb_clnt.c
+++ b/net/sunrpc/rpcb_clnt.c
@@ -425,7 +425,7 @@ static int rpcb_register_call(struct rpc_clnt *clnt, struct rpc_message
*msg)
  * IN6ADDR_ANY (ie available for all AF_INET and AF_INET6
  * addresses).
  */
-int rpcb_register(u32 prog, u32 vers, int prot, unsigned short port)
+int rpcb_register(struct net *net, u32 prog, u32 vers, int prot, unsigned short port)
 {
  struct rpcbind_args map = {
   .r_prog = prog,
@@ -436,7 +436,7 @@ int rpcb_register(u32 prog, u32 vers, int prot, unsigned short port)
  struct rpc_message msg = {

```
   .rpc_argp = &map,
  };
- struct sunrpc_net *sn = net_generic(&init_net, sunrpc_net_id);
+ struct sunrpc_net *sn = net_generic(net, sunrpc_net_id);

  dprintk("RPC:       %sregistering (%u, %u, %d, %u) with local "
    "rpcbind\n", (port ? "" : "un"),
@@ -563,7 +563,7 @@ static int rpcb_unregister_all_protofamilies(struct sunrpc_net *sn,
  * service on any IPv4 address, but not on IPv6.  The latter
  * advertises the service on all IPv4 and IPv6 addresses.
  */
-int rpcb_v4_register(const u32 program, const u32 version,
+int rpcb_v4_register(struct net *net, const u32 program, const u32 version,
        const struct sockaddr *address, const char *netid)
 {
  struct rpcbind_args map = {
@@ -575,7 +575,7 @@ int rpcb_v4_register(const u32 program, const u32 version,
  struct rpc_message msg = {
   .rpc_argp = &map,
  };
- struct sunrpc_net *sn = net_generic(&init_net, sunrpc_net_id);
+ struct sunrpc_net *sn = net_generic(net, sunrpc_net_id);

  if (sn->rpcb_local_clnt4 == NULL)
   return -EPROTONOSUPPORT;
diff --git a/net/sunrpc/svc.c b/net/sunrpc/svc.c
index 6e03888..e9c42ad 100644
--- a/net/sunrpc/svc.c
+++ b/net/sunrpc/svc.c
@@ -813,7 +813,7 @@ static int __svc_rpcb_register4(const u32 program, const u32 version,
   return -ENOPROTOOPT;
  }

- error = rpcb_v4_register(program, version,
+ error = rpcb_v4_register(&init_net, program, version,
      (const struct sockaddr *)&sin, netid);

  /*
@@ -821,7 +821,7 @@ static int __svc_rpcb_register4(const u32 program, const u32 version,
   * registration request with the legacy rpcbind v2 protocol.
   */
  if (error == -EPROTONOSUPPORT)
-  error = rpcb_register(program, version, protocol, port);
+  error = rpcb_register(&init_net, program, version, protocol, port);

  return error;
 }
@@ -860,7 +860,7 @@ static int __svc_rpcb_register6(const u32 program, const u32 version,
```

```
   return -ENOPROTOOPT;
  }

- error = rpcb_v4_register(program, version,
+ error = rpcb_v4_register(&init_net, program, version,
       (const struct sockaddr *)&sin6, netid);

  /*
@@ -963,14 +963,14 @@ static void __svc_unregister(const u32 program, const u32 version,
 {
  int error;

- error = rpcb_v4_register(program, version, NULL, "");
+ error = rpcb_v4_register(&init_net, program, version, NULL, "");

  /*
   * User space didn't support rpcbind v4, so retry this
   * request with the legacy rpcbind v2 protocol.
   */
  if (error == -EPROTONOSUPPORT)
-  error = rpcb_register(program, version, 0, 0);
+  error = rpcb_register(&init_net, program, version, 0, 0);

  dprintk("svc: %s(%sv%u), error %d\n",
    __func__, progname, version, error);
```