
Subject: [PATCH v6 3/8] SUNRPC: introduce svc helpers for preparing rpcbind infrastructure

Posted by [Stanislav Kinsbursky](#) on Tue, 25 Oct 2011 10:17:04 GMT

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This helpers will be used only for those services, that will send portmapper registration calls.

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```
---
include/linux/sunrpc/clnt.h | 2 ++
net/sunrpc/rpcb_clnt.c      | 2 +-
net/sunrpc/svc.c            | 35 +++++
3 files changed, 38 insertions(+), 1 deletions(-)
```

```
diff --git a/include/linux/sunrpc/clnt.h b/include/linux/sunrpc/clnt.h
index db7bcaf..1eb437d 100644
--- a/include/linux/sunrpc/clnt.h
+++ b/include/linux/sunrpc/clnt.h
@@ -135,6 +135,8 @@ void rpc_shutdown_client(struct rpc_clnt *);
void rpc_release_client(struct rpc_clnt *);
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,
    const struct sockaddr *address,
```

```
diff --git a/net/sunrpc/rpcb_clnt.c b/net/sunrpc/rpcb_clnt.c
index 7e5a0f8..dba2331 100644
--- a/net/sunrpc/rpcb_clnt.c
+++ b/net/sunrpc/rpcb_clnt.c
@@ -321,7 +321,7 @@ out:
 * Returns zero on success, otherwise a negative errno value
 * is returned.
 */
```

```
-static int rpcb_create_local(void)
+int rpcb_create_local(void)
{
    static DEFINE_MUTEX(rpcb_create_local_mutex);
    int result = 0;
```

```
diff --git a/net/sunrpc/svc.c b/net/sunrpc/svc.c
index 6a69a11..d2d61bf 100644
--- a/net/sunrpc/svc.c
+++ b/net/sunrpc/svc.c
@@ -354,6 +354,41 @@ svc_pool_for_cpu(struct svc_serv *serv, int cpu)
return &serv->sv_pools[pidx % serv->sv_nrpoools];
```

```

}

+static int svc_rpcb_setup(struct svc_serv *serv)
+{
+ int err;
+
+ err = rpcb_create_local();
+ if (err)
+ return err;
+
+ /* Remove any stale portmap registrations */
+ svc_unregister(serv);
+ return 0;
+}
+
+static void svc_rpcb_cleanup(struct svc_serv *serv)
+{
+ svc_unregister(serv);
+ rpcb_put_local();
+}
+
+static int svc_uses_rpcbind(struct svc_serv *serv)
+{
+ struct svc_program *progp;
+ unsigned int i;
+
+ for (progp = serv->sv_program; progp; progp = progp->pg_next) {
+ for (i = 0; i < progp->pg_nvers; i++) {
+ if (progp->pg_vers[i] == NULL)
+ continue;
+ if (progp->pg_vers[i]->vs_hidden == 0)
+ return 1;
+ }
+ }
+
+ return 0;
+}

/*
 * Create an RPC service

```
