
Subject: [PATCH v7 3/7] SUNRPC: introduce svc helpers for preparing rpcbind infrastructure

Posted by [Stanislav Kinsbursky](#) on Fri, 28 Oct 2011 10:53:12 GMT

[View Forum Message](#) <> [Reply to Message](#)

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

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

```
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 115df11..c144b95 100644

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

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

@@ -320,7 +320,7 @@ 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

```
