
Subject: [RFC PATCH 0/2] net: connect to UNIX sockets from specified root
Posted by [Stanislav Kinsbursky](#) on Fri, 10 Aug 2012 12:57:23 GMT
[View Forum Message](#) <> [Reply to Message](#)

Today, there is a problem in connecting of local SUNRPC transports. These transports use UNIX sockets and connection itself is done by rpciod workqueue.

But UNIX sockets lookup is done in context of process file system root. I.e. all local transports are connecting in rpciod context.

This works nice until we will try to mount NFS from process with other root - for example in container. This container can have its own (nested) root and rpcbind process, listening on its own UNIX sockets. But NFS mount attempt in this container will register new service (Lockd for example) in global rpcbind - not container's one.

This patch set introduces kernel connect helper for UNIX stream sockets and modifies `unix_find_other()` to be able to search from specified root.

It also replaces generic socket connect call for local transports by new helper in SUNRPC layer.

The following series implements...

Stanislav Kinsbursky (2):

 unix sockets: add ability for search for peer from passed root

 SUNRPC: connect local transports with `unix_stream_connect_root()` helper

```
include/net/af_unix.h | 2 ++
net/sunrpc/xprtsock.c | 28 ++++++
net/unix/af_unix.c    | 25 ++++++
3 files changed, 45 insertions(+), 10 deletions(-)
```