
Subject: [PATCH v2 0/6] SUNRPC: cleanup PipeFS for network-namespace-aware users

Posted by [Stanislav Kinsbursky](#) on Mon, 26 Dec 2011 11:44:22 GMT

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This patch-set was created in context of clone of git
branch: git://git.linux-nfs.org/projects/trondmy/nfs-2.6.git.
tag: v3.2-rc7

v2:

- 1) rebased on tag "v3.2-rc7"
- 2) some cleanup and minor changes

This is cleanup precursor patch set. It's required for easier further implementation of network-namespace-aware SUNRPC PipeFS pipes creators. Generally, this patch set split SUNRPC PipeFS logic into two parts: working with pipes (new `rpc_pipe` structure with link to PipeFS dentry) and creating/destroying PipeFS dentries (old `rpc_inode` structure with link to `rpc_pipe`).

With this patch-set kernel PipeFS pipes users initially creates `rpc_pipe` data and then creates Pipefs dentries. Later these dentries will be created in notifier callbacks on PipeFS mount event from user-space and in network namespace operations for such modules like `nfs` and `blocklayout`.

The following series consists of:

Stanislav Kinsbursky (6):

- SUNRPC: replace inode lock with pipe lock for RPC PipeFS operations
- SUNRPC: split SUNRPC PipeFS pipe data and inode creation
- SUNRPC: cleanup PipeFS redundant RPC inode usage
- SUNRPC: cleanup RPC PipeFS pipes upcall interface
- SUNRPC: cleanup GSS pipes usage
- SUNRPC: split SUNRPC PipeFS dentry and private pipe data creation

```
fs/nfs/blocklayout/blocklayout.c | 16 ++
fs/nfs/blocklayout/blocklayout.h |  2
fs/nfs/blocklayout/blocklayoutdev.c |  2
fs/nfs/blocklayout/blocklayoutdm.c |  2
fs/nfs/idmap.c | 28 +++-
include/linux/sunrpc/rpc_pipe_fs.h | 20 +-
net/sunrpc/auth_gss/auth_gss.c | 130 ++++++-----
net/sunrpc/rpc_pipe.c | 258 ++++++-----
8 files changed, 262 insertions(+), 196 deletions(-)
```

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Signature
