

Subject: [PATCH v3, RESEND 08/16] sunrpc: tag pipefs field of cache_detail with
rpc_pipefs mount point

Posted by [Kirill A. Shutemov](#) on Tue, 08 Feb 2011 18:41:59 GMT

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```
fs/nfs/cache_lib.c      | 3 +--
include/linux/sunrpc/cache.h | 9 +++-----
net/sunrpc/cache.c      | 16 ++++++++-----
3 files changed, 14 insertions(+), 14 deletions(-)
```

diff --git a/fs/nfs/cache_lib.c b/fs/nfs/cache_lib.c

index dd7ca5f..0944d4e 100644

--- a/fs/nfs/cache_lib.c

+++ b/fs/nfs/cache_lib.c

@@ -123,7 +123,7 @@ int nfs_cache_register(struct cache_detail *cd)

ret = vfs_path_lookup(mnt->mnt_root, mnt, "/cache", 0, &nd);

if (ret)

goto err;

- ret = sunrpc_cache_register_pipefs(nd.path.dentry,

+ ret = sunrpc_cache_register_pipefs(mnt, nd.path.dentry,

cd->name, 0600, cd);

path_put(&nd.path);

if (!ret)

@@ -136,6 +136,5 @@ err:

void nfs_cache_unregister(struct cache_detail *cd)

{

sunrpc_cache_unregister_pipefs(cd);

- mntput(init_rpc_pipefs);

}

diff --git a/include/linux/sunrpc/cache.h b/include/linux/sunrpc/cache.h

index 7898ea1..a5957cb 100644

--- a/include/linux/sunrpc/cache.h

+++ b/include/linux/sunrpc/cache.h

@@ -65,10 +65,6 @@ struct cache_detail_procs {

struct proc_dir_entry *flush_ent, *channel_ent, *content_ent;

};

-struct cache_detail_pipefs {

- struct dentry *dir;

-};

-

struct cache_detail {

struct module * owner;

int hash_size;

```
@@ -115,7 +111,7 @@ struct cache_detail {
```

```
    union {
        struct cache_detail_procfs procfs;
-       struct cache_detail_pipefs pipefs;
+       struct path pipefs;
    } u;
};
```

```
@@ -202,7 +198,8 @@ extern int cache_register_net(struct cache_detail *cd, struct net *net);
extern void cache_unregister(struct cache_detail *cd);
extern void cache_unregister_net(struct cache_detail *cd, struct net *net);
```

```
-extern int sunrpc_cache_register_pipefs(struct dentry *parent, const char *,
+extern int sunrpc_cache_register_pipefs(struct vfsmount *rpcmount,
+    struct dentry *parent, const char *,
+        mode_t, struct cache_detail *);
extern void sunrpc_cache_unregister_pipefs(struct cache_detail *);
```

```
diff --git a/net/sunrpc/cache.c b/net/sunrpc/cache.c
index 72ad836..cfc225a 100644
```

```
--- a/net/sunrpc/cache.c
+++ b/net/sunrpc/cache.c
```

```
@@ -28,6 +28,7 @@
#include <linux/workqueue.h>
#include <linux/mutex.h>
#include <linux/pagemap.h>
+#include <linux/mount.h>
#include <asm/ioctls.h>
#include <linux/sunrpc/types.h>
#include <linux/sunrpc/cache.h>
```

```
@@ -1777,7 +1778,8 @@ const struct file_operations cache_flush_operations_pipefs = {
    .llseek = no_llseek,
};
```

```
-int sunrpc_cache_register_pipefs(struct dentry *parent,
+int sunrpc_cache_register_pipefs(struct vfsmount *rpcmount,
+    struct dentry *parent,
+        const char *name, mode_t umode,
+        struct cache_detail *cd)
```

```
{
@@ -1790,9 +1792,10 @@ int sunrpc_cache_register_pipefs(struct dentry *parent,
    q.len = strlen(name);
    q.hash = full_name_hash(q.name, q.len);
    dir = rpc_create_cache_dir(parent, &q, umode, cd);
- if (!IS_ERR(dir))
-   cd->u.pipefs.dir = dir;
- else {
```

```

+ if (!IS_ERR(dir)) {
+ cd->u.pipefs.mnt = mntget(rpcmount);
+ cd->u.pipefs.dentry = dir;
+ } else {
    sunrpc_destroy_cache_detail(cd);
    ret = PTR_ERR(dir);
}
@@ -1802,8 +1805,9 @@ EXPORT_SYMBOL_GPL(sunrpc_cache_register_pipefs);

void sunrpc_cache_unregister_pipefs(struct cache_detail *cd)
{
- rpc_remove_cache_dir(cd->u.pipefs.dir);
- cd->u.pipefs.dir = NULL;
+ rpc_remove_cache_dir(cd->u.pipefs.dentry);
+ cd->u.pipefs.dentry = NULL;
+ mntput(cd->u.pipefs.mnt);
    sunrpc_destroy_cache_detail(cd);
}
EXPORT_SYMBOL_GPL(sunrpc_cache_unregister_pipefs);
--
1.7.4

```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
