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Subject: [PATCH 2/3] SUNRPC: traverse clients tree on PipeFS event

Posted by [Stanislav Kinsbursky](#) on Fri, 20 Apr 2012 14:19:43 GMT

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If client is a clone, then it's parent can not be in the list.

But parent's PipeFS dentries have to be created and destroyed as well.

Note: event skip helper for clients introduced

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net/sunrpc/clnt.c | 30 ++++++

1 files changed, 26 insertions(+), 4 deletions(-)

diff --git a/net/sunrpc/clnt.c b/net/sunrpc/clnt.c

index 8a19849..80b59f1 100644

--- a/net/sunrpc/clnt.c

+++ b/net/sunrpc/clnt.c

```
@@ -176,8 +176,16 @@ rpc_setup_pipedir(struct rpc_clnt *clnt, const char *dir_name)
    return 0;
}
```

```
-static int __rpc_pipefs_event(struct rpc_clnt *clnt, unsigned long event,
```

```
-    struct super_block *sb)
```

```
+static inline int rpc_clnt_skip_event(struct rpc_clnt *clnt, unsigned long event)
```

```
+{
```

```
+ if (((event == RPC_PIPEFS_MOUNT) && clnt->cl_dentry) ||
```

```
+    ((event == RPC_PIPEFS_UMOUNT) && !clnt->cl_dentry))
```

```
+ return 1;
```

```
+ return 0;
```

```
+}
```

```
+
```

```
+static int __rpc_clnt_handle_event(struct rpc_clnt *clnt, unsigned long event,
```

```
+    struct super_block *sb)
```

```
{
```

```
    struct dentry *dentry;
```

```
    int err = 0;
```

```
@@ -206,6 +214,21 @@ static int __rpc_pipefs_event(struct rpc_clnt *clnt, unsigned long event,
    return err;
}
```

```
+static int __rpc_pipefs_event(struct rpc_clnt *clnt, unsigned long event,
```

```
+    struct super_block *sb)
```

```
+{
```

```
+ int error;
```

```
+
```

```
+ if (!rpc_clnt_skip_event(clnt, event)) {
```

```

+ error = __rpc_clnt_handle_event(clnt, event, sb);
+ if (error)
+ return error;
+ }
+ if (clnt != clnt->cl_parent)
+ return __rpc_pipefs_event(clnt->cl_parent, event, sb);
+ return 0;
+}
+
static struct rpc_clnt *rpc_get_client_for_event(struct net *net, int event)
{
    struct sunrpc_net *sn = net_generic(net, sunrpc_net_id);
@@ -215,8 +238,7 @@ static struct rpc_clnt *rpc_get_client_for_event(struct net *net, int event)
    list_for_each_entry(clnt, &sn->all_clients, cl_clients) {
        if (clnt->cl_program->pipe_dir_name == NULL)
            break;
- if (((event == RPC_PIPEFS_MOUNT) && clnt->cl_dentry) ||
-     ((event == RPC_PIPEFS_UMOUNT) && !clnt->cl_dentry))
+ if (rpc_clnt_skip_event(clnt, event))
            continue;
        if (atomic_inc_not_zero(&clnt->cl_count) == 0)
            continue;

```

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