Subject: [PATCH 2.6.25] [ATM] Simplify /proc/net/atm/arp opening
Posted by den on Thu, 10 Jan 2008 11:27:33 GMT
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The iterator state->ns.neigh_sub_iter initialization is moved from
arp_seq_open to clip_seq_start for convinience. This should not be a problem
as the iterator will be used only after the seq_start callback.

Signed-off-by: Denis V. Lunev <den@openvz.org>

```
diff --git a/net/atm/clip.c b/net/atm/clip.c
index 47fbdc0..de5b780 100644
--- a/net/atm/clip.c
+++ b/net/atm/clip.c
@@ -903,6 +903,8 @@ static void *clip_seq_sub_iter(struct neigh_seq_state *_state,

 static void *clip_seq_start(struct seq_file *seq, loff_t * pos)
 {
+ struct clip_seq_state *state = seq->private;
+ state->ns.neigh_sub_iter = clip_seq_sub_iter;
  return neigh_seq_start(seq, pos, &clip_tbl, NEIGH_SEQ_NEIGH_ONLY);
 }

@@ -932,49 +934,15 @@ static const struct seq_operations arp_seq_ops = {

 static int arp_seq_open(struct inode *inode, struct file *file)
 {
- struct clip_seq_state *state;
- struct seq_file *seq;
- int rc = -EAGAIN;
-
- state = kzalloc(sizeof(*state), GFP_KERNEL);
- if (!state) {
-  rc = -ENOMEM;
-  goto out_kfree;
- }
- state->ns.neigh_sub_iter = clip_seq_sub_iter;
-
- rc = seq_open(file, &arp_seq_ops);
- if (rc)
-  goto out_kfree;
-
- seq = file->private_data;
- seq->private = state;
- state->ns.net = get_proc_net(inode);
- if (!state->ns.net) {
```

```
-  seq_release_private(inode, file);
-  rc = -ENXIO;
- }
-out:
- return rc;
-
-out_kfree:
- kfree(state);
- goto out;
-}
-
-static int arp_seq_release(struct inode *inode, struct file *file)
-{
- struct seq_file *seq = file->private_data;
- struct clip_seq_state *state = seq->private;
- put_net(state->ns.net);
- return seq_release_private(inode, file);
+ return seq_open_net(inode, file, &arp_seq_ops,
+        sizeof(struct clip_seq_state));
 }

 static const struct file_operations arp_seq_fops = {
  .open  = arp_seq_open,
  .read  = seq_read,
  .llseek  = seq_lseek,
- .release = arp_seq_release,
+ .release = seq_release_net,
  .owner  = THIS_MODULE
 };
 #endif
```