
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.

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diff --git a/net/atm/clip.c b/net/atm/clip.c

index 47fbd0..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

```
