
Subject: [PATCH net-2.6.25 2/3][ROUTE] Clean up proc files creation

Posted by [Pavel Emelianov](#) on Wed, 05 Dec 2007 17:06:39 GMT

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The rt_cache, stats/rt_cache and rt_acct(optional) files creation looks a bit messy. Clean this out and join them to other proc-related functions under the proper ifdef.

The struct net * argument in a new function will help net namespaces patches look nicer.

Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

```
diff --git a/net/ipv4/route.c b/net/ipv4/route.c
```

```
index cc5b730..3b9c430 100644
```

```
--- a/net/ipv4/route.c
```

```
+++ b/net/ipv4/route.c
```

```
@@ -520,6 +520,44 @@ static int ip_rt_acct_read(char *buffer, char **start, off_t offset,
    return length;
}
```

```
#endif
```

```
+
```

```
+static __init int ip_rt_proc_init(struct net *net)
```

```
+{
```

```
+ struct proc_dir_entry *pde;
```

```
+
```

```
+ pde = proc_net_fops_create(net, "rt_cache", S_IRUGO,
```

```
+ &rt_cache_seq_fops);
```

```
+ if (!pde)
```

```
+ goto err1;
```

```
+
```

```
+ pde = create_proc_entry("rt_cache", S_IRUGO, net->proc_net_stat);
```

```
+ if (!pde)
```

```
+ goto err2;
```

```
+
```

```
+ pde->proc_fops = &rt_cpu_seq_fops;
```

```
+
```

```
+#ifdef CONFIG_NET_CLS_ROUTE
```

```
+ pde = create_proc_read_entry("rt_acct", 0, net->proc_net,
```

```
+ ip_rt_acct_read, NULL);
```

```
+ if (!pde)
```

```
+ goto err3;
```

```
+#endif
```

```
+ return 0;
```

```
+
```

```
+#ifdef CONFIG_NET_CLS_ROUTE
```

```

+err3:
+ remove_proc_entry("rt_cache", net->proc_net_stat);
+#endif
+err2:
+ remove_proc_entry("rt_cache", net->proc_net);
+err1:
+ return -ENOMEM;
+}
+#else
+static inline int ip_rt_proc_init(struct net *net)
+{
+ return 0;
+}
+#endif /* CONFIG_PROC_FS */

static __inline__ void rt_free(struct rtable *rt)
@@ -2997,20 +3035,8 @@ int __init ip_rt_init(void)
    ip_rt_secret_interval;
    add_timer(&rt_secret_timer);

-#ifdef CONFIG_PROC_FS
- {
- struct proc_dir_entry *rtstat_pde = NULL; /* keep gcc happy */
- if (!proc_net_fops_create(&init_net, "rt_cache", S_IRUGO, &rt_cache_seq_fops) ||
-     !(rtstat_pde = create_proc_entry("rt_cache", S_IRUGO,
-         init_net.proc_net_stat))) {
-     return -ENOMEM;
- }
- rtstat_pde->proc_fops = &rt_cpu_seq_fops;
- }
-#ifdef CONFIG_NET_CLS_ROUTE
- create_proc_read_entry("rt_acct", 0, init_net.proc_net, ip_rt_acct_read, NULL);
-#endif
-#endif
+ if (ip_rt_proc_init(&init_net))
+ printk(KERN_ERR "Unable to create route proc files\n");
+#ifdef CONFIG_XFRM
+ xfrm_init();
+ xfrm4_init();
+
--
1.5.3.4

```

Subject: Re: [PATCH net-2.6.25 2/3][ROUTE] Clean up proc files creation

Posted by [davem](#) on Thu, 06 Dec 2007 05:14:36 GMT

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From: Pavel Emelyanov <xemul@openvz.org>

Date: Wed, 05 Dec 2007 20:06:39 +0300

- > The rt_cache, stats/rt_cache and rt_acct(optional) files
- > creation looks a bit messy. Clean this out and join them
- > to other proc-related functions under the proper ifdef.
- >
- > The struct net * argument in a new function will help net
- > namespaces patches look nicer.
- >
- > Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied, thanks.
