Subject: [PATCH net-2.6.25 4/4][NETNS][RAW]: Create the /proc/net/raw(6) in each namespace.
Posted by Pavel Emelianov on Mon, 14 Jan 2008 13:13:08 GMT
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To do so, just register the proper subsystem and create files in
->init callbacks.

No other special per-namespace handling for raw sockets is required.

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

---
 net/ipv4/raw.c | 22 ++++++++++++++++++---
 net/ipv6/raw.c | 22 ++++++++++++++++++---
 2 files changed, 38 insertions(+), 6 deletions(-)

```
diff --git a/net/ipv4/raw.c b/net/ipv4/raw.c
index 206c869..91a5218 100644
--- a/net/ipv4/raw.c
+++ b/net/ipv4/raw.c
@@ -1003,15 +1003,31 @@ static const struct file_operations raw_seq_fops = {
  .release = seq_release_net,
 };

-int __init raw_proc_init(void)
+static __net_init int raw_init_net(struct net *net)
 {
- if (!proc_net_fops_create(&init_net, "raw", S_IRUGO, &raw_seq_fops))
+ if (!proc_net_fops_create(net, "raw", S_IRUGO, &raw_seq_fops))
   return -ENOMEM;
+
  return 0;
 }

+static __net_exit void raw_exit_net(struct net *net)
+{
+ proc_net_remove(net, "raw");
+}
+
+static __net_initdata struct pernet_operations raw_net_ops = {
+ .init = raw_init_net,
+ .exit = raw_exit_net,
+};
+
+int __init raw_proc_init(void)
+{
+ return register_pernet_subsys(&raw_net_ops);
```

```
+}
+
 void __init raw_proc_exit(void)
 {
- proc_net_remove(&init_net, "raw");
+ unregister_pernet_subsys(&raw_net_ops);
 }
 #endif /* CONFIG_PROC_FS */
diff --git a/net/ipv6/raw.c b/net/ipv6/raw.c
index 970529e..4d88055 100644
--- a/net/ipv6/raw.c
+++ b/net/ipv6/raw.c
@@ -1270,16 +1270,32 @@ static const struct file_operations raw6_seq_fops = {
  .release = seq_release_net,
 };

-int __init raw6_proc_init(void)
+static int raw6_init_net(struct net *net)
 {
- if (!proc_net_fops_create(&init_net, "raw6", S_IRUGO, &raw6_seq_fops))
+ if (!proc_net_fops_create(net, "raw6", S_IRUGO, &raw6_seq_fops))
   return -ENOMEM;
+
  return 0;
 }

+static void raw6_exit_net(struct net *net)
+{
+ proc_net_remove(net, "raw6");
+}
+
+static struct pernet_operations raw6_net_ops = {
+ .init = raw6_init_net,
+ .exit = raw6_exit_net,
+};
+
+int __init raw6_proc_init(void)
+{
+ return register_pernet_subsys(&raw6_net_ops);
+}
+
 void raw6_proc_exit(void)
 {
- proc_net_remove(&init_net, "raw6");
+ unregister_pernet_subsys(&raw6_net_ops);
 }
 #endif /* CONFIG_PROC_FS */
```

--
1.5.3.4

Subject: Re: [PATCH net-2.6.25 4/4][NETNS][RAW]: Create the /proc/net/raw(6) in each namespace.
Posted by davem on Mon, 14 Jan 2008 13:37:17 GMT
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From: Pavel Emelyanov <xemul@openvz.org>
Date: Mon, 14 Jan 2008 16:13:08 +0300

> To do so, just register the proper subsystem and create files in
> ->init callbacks.
>
> No other special per-namespace handling for raw sockets is required.
>
> Signed-off-by: Pavel Emelyanov <xemul@openvz.org>

Applied.