
Subject: [PATCH net-2.6.26 4/6][NETNS][SOCK]: Create sockstat and sockstat6 files in net.

Posted by [Pavel Emelianov](#) on Thu, 27 Mar 2008 08:17:46 GMT

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This is nothing but register two new pernet ops (for ipv4 and ipv6) and create the files in init callbacks.

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

```
net/ipv4/proc.c | 27 ++++++-----
net/ipv6/proc.c | 28 ++++++-----
2 files changed, 45 insertions(+), 10 deletions(-)
```

diff --git a/net/ipv4/proc.c b/net/ipv4/proc.c

index 8156c26..24ae23b 100644

--- a/net/ipv4/proc.c

+++ b/net/ipv4/proc.c

```
@@ -426,25 +426,42 @@ static const struct file_operations netstat_seq_fops = {
    .release = single_release,
};
```

```
+static __net_init int ip_proc_init_net(struct net *net)
```

```
+{
```

```
+ if (!proc_net_fops_create(net, "sockstat", S_IRUGO, &sockstat_seq_fops))
```

```
+ return -ENOMEM;
```

```
+ return 0;
```

```
+}
```

```
+
```

```
+static __net_exit void ip_proc_exit_net(struct net *net)
```

```
+{
```

```
+ proc_net_remove(net, "sockstat");
```

```
+}
```

```
+
```

```
+static __net_initdata struct pernet_operations ip_proc_ops = {
```

```
+ .init = ip_proc_init_net,
```

```
+ .exit = ip_proc_exit_net,
```

```
+};
```

```
+
```

```
int __init ip_misc_proc_init(void)
```

```
{
```

```
    int rc = 0;
```

```
+ if (register_pernet_subsys(&ip_proc_ops))
```

```
+ goto out_pernet;
```

```
+
```

```
    if (!proc_net_fops_create(&init_net, "netstat", S_IRUGO, &netstat_seq_fops))
```

```

goto out_netstat;

if (!proc_net_fops_create(&init_net, "snmp", S_IRUGO, &snmp_seq_fops))
    goto out_snmp;
-
- if (!proc_net_fops_create(&init_net, "sockstat", S_IRUGO, &sockstat_seq_fops))
- goto out_sockstat;
out:
    return rc;
-out_sockstat:
- proc_net_remove(&init_net, "snmp");
out_snmp:
    proc_net_remove(&init_net, "netstat");
out_netstat:
+ unregister_pernet_subsys(&ip_proc_ops);
+out_pernet:
    rc = -ENOMEM;
    goto out;
}
diff --git a/net/ipv6/proc.c b/net/ipv6/proc.c
index 4b9d5a9..6a34794 100644
--- a/net/ipv6/proc.c
+++ b/net/ipv6/proc.c
@@ -243,27 +243,44 @@ int snmp6_unregister_dev(struct inet6_dev *idev)
    return 0;
}

+static int ipv6_proc_init_net(struct net *net)
+{
+ if (!proc_net_fops_create(net, "sockstat6", S_IRUGO, &sockstat6_seq_fops))
+ return -ENOMEM;
+ return 0;
+}
+
+static void ipv6_proc_exit_net(struct net *net)
+{
+ proc_net_remove(net, "sockstat6");
+}
+
+static struct pernet_operations ipv6_proc_ops = {
+ .init = ipv6_proc_init_net,
+ .exit = ipv6_proc_exit_net,
+};
+
int __init ipv6_misc_proc_init(void)
{
    int rc = 0;

```

```

+ if (register_pernet_subsys(&ipv6_proc_ops))
+ goto proc_net_fail;
+
if (!proc_net_fops_create(&init_net, "snmp6", S_IRUGO, &snmp6_seq_fops))
goto proc_snmp6_fail;

proc_net_devsnmp6 = proc_mkdir("dev_snmp6", init_net.proc_net);
if (!proc_net_devsnmp6)
goto proc_dev_snmp6_fail;
-
- if (!proc_net_fops_create(&init_net, "sockstat6", S_IRUGO, &sockstat6_seq_fops))
- goto proc_sockstat6_fail;
out:
return rc;

-proc_sockstat6_fail:
- proc_net_remove(&init_net, "dev_snmp6");
proc_dev_snmp6_fail:
proc_net_remove(&init_net, "snmp6");
proc_snmp6_fail:
+ unregister_pernet_subsys(&ipv6_proc_ops);
+proc_net_fail:
rc = -ENOMEM;
goto out;
}
@@ -273,5 +290,6 @@ void ipv6_misc_proc_exit(void)
proc_net_remove(&init_net, "sockstat6");
proc_net_remove(&init_net, "dev_snmp6");
proc_net_remove(&init_net, "snmp6");
+ unregister_pernet_subsys(&ipv6_proc_ops);
}

```

--
1.5.3.4
