
Subject: [PATCH net-2.6.25 5/11][TR] Use ctl paths to register net/token-ring/ table
Posted by [Pavel Emelianov](#) on Tue, 04 Dec 2007 10:09:08 GMT
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The same thing for token-ring - use ctl paths and get rid of external references on the tr_table.

Unfortunately, I couldn't split this patch into cleanup and use-the-paths parts.

As a lame excuse I can say, that the cleanup is just moving the tr_table from one file to another - closet to a single variable, that this ctl table tunes. Since the source file becomes empty after the move, I remove it.

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```
diff --git a/include/linux/if_tr.h b/include/linux/if_tr.h
index 046e9d9..5bcec8b 100644
--- a/include/linux/if_tr.h
+++ b/include/linux/if_tr.h
@@ -49,9 +49,6 @@ static inline struct trh_hdr *tr_hdr(const struct sk_buff *skb)
{
    return (struct trh_hdr *)skb_mac_header(skb);
}
-#ifdef CONFIG_SYSCTL
-extern struct ctl_table tr_table[];
-#endif
#endif
```

```
/* This is an Token-Ring LLC structure */
diff --git a/net/802/Makefile b/net/802/Makefile
index 977704a..68569ff 100644
--- a/net/802/Makefile
+++ b/net/802/Makefile
@@ -3,9 +3,8 @@
#
# Check the p8022 selections against net/core/Makefile.
-obj-$(CONFIG_SYSCTL) += sysctl_net_802.o
obj-$(CONFIG_LLC) += p8022.o psnap.o
-obj-$(CONFIG_TR) += p8022.o psnap.o tr.o sysctl_net_802.o
+obj-$(CONFIG_TR) += p8022.o psnap.o tr.o
obj-$(CONFIG_NET_FC) += fc.o
obj-$(CONFIG_FDDI) += fddi.o
obj-$(CONFIG_HIPPI) += hippi.o
```

```

diff --git a/net/802/sysctl_net_802.c b/net/802/sysctl_net_802.c
deleted file mode 100644
index ead5603..0000000
--- a/net/802/sysctl_net_802.c
+++ /dev/null
@@ -1,33 +0,0 @@
-/* *- linux-c *-
- * sysctl_net_802.c: sysctl interface to net 802 subsystem.
- *
- * Begun April 1, 1996, Mike Shaver.
- * Added /proc/sys/net/802 directory entry (empty =) ). [MS]
- *
- * This program is free software; you can redistribute it and/or
- * modify it under the terms of the GNU General Public License
- * as published by the Free Software Foundation; either version
- * 2 of the License, or (at your option) any later version.
- */
-
-#include <linux/mm.h>
-#include <linux/if_tr.h>
-#include <linux/sysctl.h>
-
-#ifdef CONFIG_TR
-extern int sysctl_tr_rif_timeout;
-#endif
-
-struct ctl_table tr_table[] = {
-#ifdef CONFIG_TR
- {
- .ctl_name = NET_TR_RIF_TIMEOUT,
- .procname = "rif_timeout",
- .data = &sysctl_tr_rif_timeout,
- .maxlen = sizeof(int),
- .mode = 0644,
- .proc_handler = &proc_dointvec
- },
-#endif /* CONFIG_TR */
- { 0 },
-};
diff --git a/net/802/tr.c b/net/802/tr.c
index d8a5386..23fa151 100644
--- a/net/802/tr.c
+++ b/net/802/tr.c
@@ -35,6 +35,7 @@
#include <linux/proc_fs.h>
#include <linux/seq_file.h>
#include <linux/init.h>
+#include <linux/sysctl.h>

```

```

#include <net/arp.h>
#include <net/net_namespace.h>

@@ -634,6 +635,26 @@ struct net_device *alloc_trdev(int sizeof_priv)
    return alloc_netdev(sizeof_priv, "tr%d", tr_setup);
}

#ifdef CONFIG_SYSCTL
+static struct ctl_table tr_table[] = {
+ {
+ .ctl_name = NET_TR_RIF_TIMEOUT,
+ .procname = "rif_timeout",
+ .data = &sysctl_tr_rif_timeout,
+ .maxlen = sizeof(int),
+ .mode = 0644,
+ .proc_handler = &proc_dointvec
+ },
+ { 0 },
+};
+
+static __initdata struct ctl_path tr_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "token-ring", .ctl_name = NET_TR, },
+ { }
+};
+
#ifdef CONFIG_SYSCTL
+ register_sysctl_paths(tr_path, tr_table);
+
+ proc_net_fops_create(&init_net, "tr_rif", S_IRUGO, &rif_seq_fops);
+ return 0;
+ }
diff --git a/net/sysctl_net.c b/net/sysctl_net.c
index a4f0ed8..16ad14b 100644
--- a/net/sysctl_net.c
+++ b/net/sysctl_net.c
@@ -31,14 +31,6 @@
#endif

```

```
struct ctl_table net_table[] = {  
-#ifdef CONFIG_TR  
- {  
- .ctl_name = NET_TR,  
- .procname = "token-ring",  
- .mode = 0555,  
- .child = tr_table,  
- },  
-#endif  
  { 0 },  
};
```

--

1.5.3.4
