
Subject: [PATCH net-2.6.25 1/6][NET] Simple ctl_table to ctl_path conversions.
Posted by [Pavel Emelianov](#) on Tue, 08 Jan 2008 15:52:34 GMT

[View Forum Message](#) <> [Reply to Message](#)

This patch includes many places, that only required replacing the ctl_table-s with appropriate ctl_paths and call register_sysctl_paths().

Nothing special was done with them.

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

```
net/appletalk/sysctl_net_atalk.c | 24 +++++-----
net/bridge/br_netfilter.c      | 24 +++++-----
net/dccp/sysctl.c              | 36 ++++++-----
net/ipx/sysctl_net_ipx.c       | 24 +++++-----
net/irda/irsysctl.c           | 28 +++++-----
net/llc/sysctl_net_llc.c       | 24 +++++-----
net/netrom/sysctl_net_netrom.c | 24 +++++-----
net/rose/sysctl_net_rose.c     | 24 +++++-----
net/sctp/sysctl.c              | 24 +++++-----
net/x25/sysctl_net_x25.c       | 24 +++++-----
10 files changed, 52 insertions(+), 204 deletions(-)
```

```
diff --git a/net/appletalk/sysctl_net_atalk.c b/net/appletalk/sysctl_net_atalk.c
index 7df1778..621805d 100644
```

```
--- a/net/appletalk/sysctl_net_atalk.c
+++ b/net/appletalk/sysctl_net_atalk.c
@@ -49,31 +49,17 @@ static struct ctl_table atalk_table[] = {
  { 0 },
 };

-static struct ctl_table atalk_dir_table[] = {
- {
- .ctl_name = NET_ATALK,
- .procname = "appletalk",
- .mode = 0555,
- .child = atalk_table,
- },
- { 0 },
- };
-
-static struct ctl_table atalk_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
```

```

- .mode = 0555,
- .child = atalk_dir_table,
- },
- { 0 },
+static struct ctl_path atalk_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "appletalk", .ctl_name = NET_ATALK, },
+ { }
};

static struct ctl_table_header *atalk_table_header;

void atalk_register_sysctl(void)
{
- atalk_table_header = register_sysctl_table(atalk_root_table);
+ atalk_table_header = register_sysctl_paths(atalk_path, atalk_table);
}

void atalk_unregister_sysctl(void)
diff --git a/net/bridge/br_netfilter.c b/net/bridge/br_netfilter.c
index 32ac035..91a180a 100644
--- a/net/bridge/br_netfilter.c
+++ b/net/bridge/br_netfilter.c
@@ -934,24 +934,10 @@ static ctl_table brnf_table[] = {
 { .ctl_name = 0 }
};

-static ctl_table brnf_bridge_table[] = {
- {
- .ctl_name = NET_BRIDGE,
- .procname = "bridge",
- .mode = 0555,
- .child = brnf_table,
- },
- { .ctl_name = 0 }
-};
-
-static ctl_table brnf_net_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = brnf_bridge_table,
- },
- { .ctl_name = 0 }
+static struct ctl_path brnf_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "bridge", .ctl_name = NET_BRIDGE, },

```

```

+ { }
};
#endif

@@ -963,7 +949,7 @@ int __init br_netfilter_init(void)
    if (ret < 0)
        return ret;
#ifdef CONFIG_SYSCTL
- brnf_sysctl_header = register_sysctl_table(brnf_net_table);
+ brnf_sysctl_header = register_sysctl_paths(brnf_path, brnf_table);
    if (brnf_sysctl_header == NULL) {
        printk(KERN_WARNING
            "br_netfilter: can't register to sysctl.\n");
diff --git a/net/dccp/sysctl.c b/net/dccp/sysctl.c
index c62c050..2129599 100644
--- a/net/dccp/sysctl.c
+++ b/net/dccp/sysctl.c
@@ -100,41 +100,19 @@ static struct ctl_table dccp_default_table[] = {
    { .ctl_name = 0, }
};

-static struct ctl_table dccp_table[] = {
- {
- .ctl_name = NET_DCCP_DEFAULT,
- .procname = "default",
- .mode = 0555,
- .child = dccp_default_table,
- },
- { .ctl_name = 0, },
-};
-
-static struct ctl_table dccp_dir_table[] = {
- {
- .ctl_name = NET_DCCP,
- .procname = "dccp",
- .mode = 0555,
- .child = dccp_table,
- },
- { .ctl_name = 0, },
-};
-
-static struct ctl_table dccp_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = dccp_dir_table,
- },

```

```

- { .ctl_name = 0, },
+static struct ctl_path dccp_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "dccp", .ctl_name = NET_DCCP, },
+ { .procname = "default", .ctl_name = NET_DCCP_DEFAULT, },
+ { }
};

```

```

static struct ctl_table_header *dccp_table_header;

```

```

int __init dccp_sysctl_init(void)
{
- dccp_table_header = register_sysctl_table(dccp_root_table);
+ dccp_table_header = register_sysctl_paths(dccp_path,
+ dccp_default_table);

return dccp_table_header != NULL ? 0 : -ENOMEM;
}

```

```

diff --git a/net/ipx/sysctl_net_ipx.c b/net/ipx/sysctl_net_ipx.c

```

```

index 0cf5264..92fef86 100644

```

```

--- a/net/ipx/sysctl_net_ipx.c

```

```

+++ b/net/ipx/sysctl_net_ipx.c

```

```

@@ -28,31 +28,17 @@ static struct ctl_table ipx_table[] = {
{ 0 },
};

```

```

-static struct ctl_table ipx_dir_table[] = {

```

```

- {
- .ctl_name = NET_IPX,
- .procname = "ipx",
- .mode = 0555,
- .child = ipx_table,
- },
- { 0 },
- };
-

```

```

-static struct ctl_table ipx_root_table[] = {

```

```

- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = ipx_dir_table,
- },
- { 0 },
+static struct ctl_path ipx_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "ipx", .ctl_name = NET_IPX, },
+ { }

```

```

};

static struct ctl_table_header *ipx_table_header;

void ipx_register_sysctl(void)
{
- ipx_table_header = register_sysctl_table(ipx_root_table);
+ ipx_table_header = register_sysctl_paths(ipx_path, ipx_table);
}

void ipx_unregister_sysctl(void)
diff --git a/net/irda/irsysctl.c b/net/irda/irsysctl.c
index 565cbf0..d8aba86 100644
--- a/net/irda/irsysctl.c
+++ b/net/irda/irsysctl.c
@@ -234,28 +234,10 @@ static ctl_table irda_table[] = {
 { .ctl_name = 0 }
 };

-/* One directory */
-static ctl_table irda_net_table[] = {
- {
- .ctl_name = NET_IRDA,
- .procname = "irda",
- .maxlen = 0,
- .mode = 0555,
- .child = irda_table
- },
- { .ctl_name = 0 }
-};
-
-/* The parent directory */
-static ctl_table irda_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .maxlen = 0,
- .mode = 0555,
- .child = irda_net_table
- },
- { .ctl_name = 0 }
+static struct ctl_path irda_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "irda", .ctl_name = NET_IRDA, },
+ { }
};

static struct ctl_table_header *irda_table_header;

```

```

@@ -268,7 +250,7 @@ static struct ctl_table_header *irda_table_header;
 */
int __init irda_sysctl_register(void)
{
- irda_table_header = register_sysctl_table(irda_root_table);
+ irda_table_header = register_sysctl_paths(irda_path, irda_table);
  if (!irda_table_header)
    return -ENOMEM;

diff --git a/net/llc/sysctl_net_llc.c b/net/llc/sysctl_net_llc.c
index 46992d0..5bef1dc 100644
--- a/net/llc/sysctl_net_llc.c
+++ b/net/llc/sysctl_net_llc.c
@@ -92,31 +92,17 @@ static struct ctl_table llc_table[] = {
  { 0 },
 };

-static struct ctl_table llc_dir_table[] = {
- {
- .ctl_name = NET_LLC,
- .procname = "llc",
- .mode = 0555,
- .child = llc_table,
- },
- { 0 },
-};
-
-static struct ctl_table llc_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = llc_dir_table,
- },
- { 0 },
+static struct ctl_path llc_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "llc", .ctl_name = NET_LLC, },
+ { }
+};

static struct ctl_table_header *llc_table_header;

int __init llc_sysctl_init(void)
{
- llc_table_header = register_sysctl_table(llc_root_table);
+ llc_table_header = register_sysctl_paths(llc_path, llc_table);

```

```

    return llc_table_header ? 0 : -ENOMEM;
}
diff --git a/net/netrom/sysctl_net_netrom.c b/net/netrom/sysctl_net_netrom.c
index 2ea68da..34c96c9 100644
--- a/net/netrom/sysctl_net_netrom.c
+++ b/net/netrom/sysctl_net_netrom.c
@@ -170,29 +170,15 @@ static ctl_table nr_table[] = {
    { .ctl_name = 0 }
};

-static ctl_table nr_dir_table[] = {
- {
- .ctl_name = NET_NETROM,
- .procname = "netrom",
- .mode = 0555,
- .child = nr_table
- },
- { .ctl_name = 0 }
-};
-
-static ctl_table nr_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = nr_dir_table
- },
- { .ctl_name = 0 }
+static struct ctl_path nr_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "netrom", .ctl_name = NET_NETROM, },
+ { }
};

void __init nr_register_sysctl(void)
{
- nr_table_header = register_sysctl_table(nr_root_table);
+ nr_table_header = register_sysctl_paths(nr_path, nr_table);
}

void nr_unregister_sysctl(void)
diff --git a/net/rose/sysctl_net_rose.c b/net/rose/sysctl_net_rose.c
index 455b055..20be348 100644
--- a/net/rose/sysctl_net_rose.c
+++ b/net/rose/sysctl_net_rose.c
@@ -138,29 +138,15 @@ static ctl_table rose_table[] = {
    { .ctl_name = 0 }
};

```

```

-static ctl_table rose_dir_table[] = {
- {
- .ctl_name = NET_ROSE,
- .procname = "rose",
- .mode = 0555,
- .child = rose_table
- },
- { .ctl_name = 0 }
-};
-
-static ctl_table rose_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = rose_dir_table
- },
- { .ctl_name = 0 }
+static struct ctl_path rose_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "rose", .ctl_name = NET_ROSE, },
+ { }
+};

void __init rose_register_sysctl(void)
{
- rose_table_header = register_sysctl_table(rose_root_table);
+ rose_table_header = register_sysctl_paths(rose_path, rose_table);
}

void rose_unregister_sysctl(void)
diff --git a/net/sctp/sysctl.c b/net/sctp/sysctl.c
index da4f157..5eb6ea8 100644
--- a/net/sctp/sysctl.c
+++ b/net/sctp/sysctl.c
@@ -275,24 +275,10 @@ static ctl_table sctp_table[] = {
 { .ctl_name = 0 }
};

-static ctl_table sctp_net_table[] = {
- {
- .ctl_name = NET_SCTP,
- .procname = "sctp",
- .mode = 0555,
- .child = sctp_table
- },
- { .ctl_name = 0 }

```



```

-};
-
-static ctl_table sctp_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",
- .mode = 0555,
- .child = sctp_net_table
- },
- { .ctl_name = 0 }
+static struct ctl_path sctp_path[] = {
+ { .procname = "net", .ctl_name = CTL_NET, },
+ { .procname = "sctp", .ctl_name = NET_SCTP, },
+ { }
};

static struct ctl_table_header * sctp_sysctl_header;
@@ -300,7 +286,7 @@ static struct ctl_table_header * sctp_sysctl_header;
/* Sysctl registration. */
void sctp_sysctl_register(void)
{
- sctp_sysctl_header = register_sysctl_table(sctp_root_table);
+ sctp_sysctl_header = register_sysctl_paths(sctp_path, sctp_table);
}

/* Sysctl deregistration. */
diff --git a/net/x25/sysctl_net_x25.c b/net/x25/sysctl_net_x25.c
index a59b77f..6ebda25 100644
--- a/net/x25/sysctl_net_x25.c
+++ b/net/x25/sysctl_net_x25.c
@@ -84,29 +84,15 @@ static struct ctl_table x25_table[] = {
 { 0, },
};

-static struct ctl_table x25_dir_table[] = {
- {
- .ctl_name = NET_X25,
- .procname = "x25",
- .mode = 0555,
- .child = x25_table,
- },
- { 0, },
-};
-
-static struct ctl_table x25_root_table[] = {
- {
- .ctl_name = CTL_NET,
- .procname = "net",

```

```
- .mode = 0555,  
- .child = x25_dir_table,  
- },  
- { 0, },  
+static struct ctl_path x25_path[] = {  
+ { .procname = "net", .ctl_name = CTL_NET, },  
+ { .procname = "x25", .ctl_name = NET_X25, },  
+ { }  
};  
  
void __init x25_register_sysctl(void)  
{  
- x25_table_header = register_sysctl_table(x25_root_table);  
+ x25_table_header = register_sysctl_paths(x25_path, x25_table);  
}  
  
void x25_unregister_sysctl(void)
```
