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Subject: [PATCH 45/59] sysctl: C99 convert ctl\_tables in drivers/parport/procfs.c  
Posted by [ebiederm](#) on Tue, 16 Jan 2007 16:39:50 GMT

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Signed-off-by: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)>

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drivers/parport/procfs.c | 264 ++++++-----  
1 files changed, 189 insertions(+), 75 deletions(-)

```
diff --git a/drivers/parport/procfs.c b/drivers/parport/procfs.c
index 2e744a2..5337789 100644
--- a/drivers/parport/procfs.c
+++ b/drivers/parport/procfs.c
@@ -233,12 +233,12 @@ static int do_hardware_modes (ctl_table *table, int write,
    return copy_to_user(result, buffer, len) ? -EFAULT : 0;
}

-#define PARPORT_PORT_DIR(child) { 0, NULL, NULL, 0, 0555, child }
-#define PARPORT_PARPORT_DIR(child) { DEV_PARPORT, "parport", \
-           NULL, 0, 0555, child }
-#define PARPORT_DEV_DIR(child) { CTL_DEV, "dev", NULL, 0, 0555, child }
-#define PARPORT_DEVICES_ROOT_DIR { DEV_PARPORT_DEVICES, "devices", \
-           NULL, 0, 0555, NULL }
+#define PARPORT_PORT_DIR(CHILD) { .ctl_name = 0, .procname = NULL, .mode = 0555,
.child = CHILD }
+#define PARPORT_PARPORT_DIR(CHILD) { .ctl_name = DEV_PARPORT, .procname =
"parport", \
+           .mode = 0555, .child = CHILD }
+#define PARPORT_DEV_DIR(CHILD) { .ctl_name = CTL_DEV, .procname = "dev", .mode =
0555, .child = CHILD }
+#define PARPORT_DEVICES_ROOT_DIR { .ctl_name = DEV_PARPORT_DEVICES,
.procname = "devices", \
+           .mode = 0555, .child = NULL }

static const unsigned long parport_min_timeslice_value =
PARPORT_MIN_TIMESLICE_VALUE;
@@ -263,50 +263,118 @@ struct parport_sysctl_table {
};

static const struct parport_sysctl_table parport_sysctl_template = {
- NULL,
+ .sysctl_header = NULL,
{
- { DEV_PARPORT_SPINTIME, "spintime",
-   NULL, sizeof(int), 0644, NULL,
-   &proc_dointvec_minmax, NULL, NULL,
```

```

- (void*) &parport_min_spintime_value,
- (void*) &parport_max_spintime_value },
- { DEV_PARPORT_BASE_ADDR, "base-addr",
- NULL, 0, 0444, NULL,
- &do_hardware_base_addr },
- { DEV_PARPORT_IRQ, "irq",
- NULL, 0, 0444, NULL,
- &do_hardware_irq },
- { DEV_PARPORT_DMA, "dma",
- NULL, 0, 0444, NULL,
- &do_hardware_dma },
- { DEV_PARPORT_MODES, "modes",
- NULL, 0, 0444, NULL,
- &do_hardware_modes },
+ {
+ .ctl_name = DEV_PARPORT_SPINTIME,
+ .procname = "spintime",
+ .data = NULL,
+ . maxlen = sizeof(int),
+ .mode = 0644,
+ .proc_handler = &proc_dointvec_minmax,
+ .extra1 = (void*) &parport_min_spintime_value,
+ .extra2 = (void*) &parport_max_spintime_value
+ },
+ {
+ .ctl_name = DEV_PARPORT_BASE_ADDR,
+ .procname = "base-addr",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_hardware_base_addr
+ },
+ {
+ .ctl_name = DEV_PARPORT_IRQ,
+ .procname = "irq",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_hardware_irq
+ },
+ {
+ .ctl_name = DEV_PARPORT_DMA,
+ .procname = "dma",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_hardware_dma
+ },

```

```

+ {
+ .ctl_name = DEV_PARPORT_MODES,
+ .procname = "modes",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do.hardware_modes
+ },
PARPORT_DEVICES_ROOT_DIR,
#ifndef CONFIG_PARPORT_1284
- { DEV_PARPORT_AUTOPROBE, "autoprobe",
- NULL, 0, 0444, NULL,
- &do_autoprobe },
- { DEV_PARPORT_AUTOPROBE + 1, "autoprobe0",
- NULL, 0, 0444, NULL,
- &do_autoprobe },
- { DEV_PARPORT_AUTOPROBE + 2, "autoprobe1",
- NULL, 0, 0444, NULL,
- &do_autoprobe },
- { DEV_PARPORT_AUTOPROBE + 3, "autoprobe2",
- NULL, 0, 0444, NULL,
- &do_autoprobe },
- { DEV_PARPORT_AUTOPROBE + 4, "autoprobe3",
- NULL, 0, 0444, NULL,
- &do_autoprobe },
+ {
+ .ctl_name = DEV_PARPORT_AUTOPROBE,
+ .procname = "autoprobe",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_autoprobe
+ },
+ {
+ .ctl_name = DEV_PARPORT_AUTOPROBE + 1,
+ .procname = "autoprobe0",
+ .data = NULL,
+ . maxlen = 0,
+ . maxlen = 0444,
+ .proc_handler = &do_autoprobe
+ },
+ {
+ .ctl_name = DEV_PARPORT_AUTOPROBE + 2,
+ .procname = "autoprobe1",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_autoprobe

```

```

+ },
+ {
+ .ctl_name = DEV_PARPORT_AUTOProbe + 3,
+ .procname = "autoprobe2",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_autoprobe
+ },
+ {
+ .ctl_name = DEV_PARPORT_AUTOProbe + 4,
+ .procname = "autoprobe3",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_autoprobe
+ },
#endif /* IEEE 1284 support */
- {0}
+ {}
},
- { {DEV_PARPORT_DEVICES_ACTIVE, "active", NULL, 0, 0444, NULL,
- &do_active_device }, {0} },
- { PARPORT_PORT_DIR(NULL), {0} },
- { PARPORT_PARPORT_DIR(NULL), {0} },
- { PARPORT_DEV_DIR(NULL), {0} }
+
+
+ {
+ .ctl_name = DEV_PARPORT_DEVICES_ACTIVE,
+ .procname = "active",
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0444,
+ .proc_handler = &do_active_device
+ },
+ {}
+
+ {
+ PARPORT_PORT_DIR(NULL),
+ {}
+
+ {
+ PARPORT_PARPORT_DIR(NULL),
+ {}
+
+ {
+ PARPORT_DEV_DIR(NULL),
+ {}

```

```

+ }
};

struct parport_device_sysctl_table
@@ -322,19 +390,46 @@ struct parport_device_sysctl_table

static const struct parport_device_sysctl_table
parport_device_sysctl_template = {
- NULL,
+ .sysctl_header = NULL,
+ {
+ {
+ .ctl_name = DEV_PARPORT_DEVICE_TIMESLICE,
+ .procname = "timeslice",
+ .data = NULL,
+ . maxlen = sizeof(int),
+ .mode = 0644,
+ .proc_handler = &proc_doulongvec_ms_jiffies_minmax,
+ .extra1 = (void*) &parport_min_timeslice_value,
+ .extra2 = (void*) &parport_max_timeslice_value
+ },
+ },
+ {
+ {
+ .ctl_name = 0,
+ .procname = NULL,
+ .data = NULL,
+ . maxlen = 0,
+ .mode = 0555,
+ .child = NULL
+ },
+ {}
+ },
{
- { DEV_PARPORT_DEVICE_TIMESLICE, "timeslice",
- NULL, sizeof(int), 0644, NULL,
- &proc_doulongvec_ms_jiffies_minmax, NULL, NULL,
- (void*) &parport_min_timeslice_value,
- (void*) &parport_max_timeslice_value },
+ PARPORT_DEVICES_ROOT_DIR,
+ {}
+ },
+ {
+ PARPORT_PORT_DIR(NULL),
+ {}
},
- { {0, NULL, NULL, 0, 0555, NULL}, {0} },
- { PARPORT_DEVICES_ROOT_DIR, {0} },

```

```

- { PARPORT_PORT_DIR(NULL), {0}},
- { PARPORT_PARPORT_DIR(NULL), {0}},
- { PARPORT_DEV_DIR(NULL), {0}}
+ {
+ PARPORT_PARPORT_DIR(NULL),
+ {}
+ },
+ {
+ PARPORT_DEV_DIR(NULL),
+ {}
+ }
};

struct parport_default_sysctl_table
@@ -351,28 +446,47 @@ extern int parport_default_spintime;

static struct parport_default_sysctl_table
parport_default_sysctl_table = {
- NULL,
+ .sysctl_header = NULL,
+ {
+ {
+ .ctl_name = DEV_PARPORT_DEFAULT_TIMESLICE,
+ .procname = "timeslice",
+ .data = &parport_default_timeslice,
+ . maxlen = sizeof(parport_default_timeslice),
+ .mode = 0644,
+ .proc_handler = &proc_doulongvec_ms_jiffies_minmax,
+ .extra1 = (void*) &parport_min_timeslice_value,
+ .extra2 = (void*) &parport_max_timeslice_value
+ },
+ {
+ .ctl_name = DEV_PARPORT_DEFAULT_SPINTIME,
+ .procname = "spintime",
+ .data = &parport_default_spintime,
+ . maxlen = sizeof(parport_default_spintime),
+ .mode = 0644,
+ .proc_handler = &proc_dointvec_minmax,
+ .extra1 = (void*) &parport_min_spintime_value,
+ .extra2 = (void*) &parport_max_spintime_value
+ },
+ {}
+ },
{
- { DEV_PARPORT_DEFAULT_TIMESLICE, "timeslice",
- { &parport_default_timeslice,
- sizeof(parport_default_timeslice), 0644, NULL,
- &proc_doulongvec_ms_jiffies_minmax, NULL, NULL,

```

```

- (void*) &parport_min_timeslice_value,
- (void*) &parport_max_timeslice_value },
- { DEV_PARPORT_DEFAULT_SPINTIME, "spintime",
- &parport_default_spintime,
- sizeof(parport_default_spintime), 0644, NULL,
- &proc_dointvec_minmax, NULL, NULL,
- (void*) &parport_min_spintime_value,
- (void*) &parport_max_spintime_value },
- {0}
+ {
+ .ctl_name = DEV_PARPORT_DEFAULT,
+ .procname = "default",
+ .mode = 0555,
+ .child = parport_default_sysctl_table.vars
+ },
+ {}
},
- { { DEV_PARPORT_DEFAULT, "default", NULL, 0, 0555,
- parport_default_sysctl_table.vars },{0}},
{
- PARPORT_PARPORT_DIR(parport_default_sysctl_table.default_dir),
- {0}},
- { PARPORT_DEV_DIR(parport_default_sysctl_table.parport_dir), {0}}
+ PARPORT_PARPORT_DIR(parport_default_sysctl_table.default_dir),
+ {}
+ },
+ {
+ PARPORT_DEV_DIR(parport_default_sysctl_table.parport_dir),
+ {}
+ }
};


```

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1.4.4.1.g278f

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Containers mailing list  
 Containers@lists.osdl.org  
<https://lists.osdl.org/mailman/listinfo/containers>

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