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Subject: [PATCH 29/59] sysctl: C99 convert arch/ia64/kernel/perfmon and remove ABI breakage

Posted by [ebiederm](#) on Tue, 16 Jan 2007 16:39:34 GMT

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From: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)> - unquoted

This converts the sysctl ctl\_tables to use C99 initializers.

While I was looking at it I discovered it was using a portion of the sysctl binary addresses space under CTL\_KERN KERN\_OSTYPE which was completely inappropriate. So I completely removed all of the sysctl binary names, to remove and avoid the ABI conflict.

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

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```
arch/ia64/kernel/perfmon.c | 56 ++++++-----  
1 files changed, 47 insertions(+), 9 deletions(-)
```

```
diff --git a/arch/ia64/kernel/perfmon.c b/arch/ia64/kernel/perfmon.c  
index aa94f60..8c679ab 100644  
--- a/arch/ia64/kernel/perfmon.c  
+++ b/arch/ia64/kernel/perfmon.c  
@@ -521,19 +521,57 @@ pfm_sysctl_t pfm_sysctl;  
EXPORT_SYMBOL(pfm_sysctl);  
  
static ctl_table pfm_ctl_table[] = {  
- {1, "debug", &pfm_sysctl.debug, sizeof(int), 0666, NULL, &proc_dointvec, NULL,},  
- {2, "debug_ovfl", &pfm_sysctl.debug_ovfl, sizeof(int), 0666, NULL, &proc_dointvec, NULL,},  
- {3, "fastctxsw", &pfm_sysctl.fastctxsw, sizeof(int), 0600, NULL, &proc_dointvec, NULL,},  
- {4, "expert_mode", &pfm_sysctl.expert_mode, sizeof(int), 0600, NULL, &proc_dointvec, NULL,},  
- {0, },  
+ {  
+ .ctl_name = CTL_UNNUMBERED,  
+ .procname = "debug",  
+ .data = &pfm_sysctl.debug,  
+ . maxlen = sizeof(int),  
+ .mode = 0666,  
+ .proc_handler = &proc_dointvec,  
+ },  
+ {  
+ .ctl_name = CTL_UNNUMBERED,  
+ .procname = "debug_ovfl",  
+ .data = &pfm_sysctl.debug_ovfl,  
+ . maxlen = sizeof(int),  
+ .mode = 0666,  
+ .proc_handler = &proc_dointvec,  
+ },  
+ {
```

```

+ .ctl_name = CTL_UNNUMBERED,
+ .procname = "fastctxsw",
+ .data = &pfm_sysctl.fastctxsw,
+ . maxlen = sizeof(int),
+ .mode = 0600,
+ .proc_handler = &proc_dointvec,
+ },
+ {
+ .ctl_name = CTL_UNNUMBERED,
+ .procname = "expert_mode",
+ .data = &pfm_sysctl.expert_mode,
+ . maxlen = sizeof(int),
+ .mode = 0600,
+ .proc_handler = &proc_dointvec,
+ },
+ {}
};

static ctl_table pfm_sysctl_dir[] = {
- {1, "perfmon", NULL, 0, 0755, pfm_ctl_table, },
- {0,},
+ {
+ .ctl_name = CTL_UNNUMBERED,
+ .procname = "perfmon",
+ .mode = 0755,
+ .child = pfm_ctl_table,
+ },
+ {}
};

static ctl_table pfm_sysctl_root[] = {
- {1, "kernel", NULL, 0, 0755, pfm_sysctl_dir, },
- {0,},
+ {
+ .ctl_name = CTL_KERN,
+ .procname = "kernel",
+ .mode = 0755,
+ .child = pfm_sysctl_dir,
+ },
+ {}
};

static struct ctl_table_header *pfm_sysctl_header;

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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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