
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> - 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>

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;

--
1.4.4.1.g278f

```