
Subject: [PATCH] macintosh/therm_pm72.c: Convert to kthread API.
Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:47 GMT
[View Forum Message](#) <> [Reply to Message](#)

From: Eric W. Biederman <ebiederm@xmission.com>

This patch modifies startup of the kfand to use kthread_run
not a combination of kernel_thread and daemonize, making
the code a little simpler and more maintainable.

Cc: Benjamin Herrenschmidt <benh@kernel.crashing.org>
Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

drivers/macintosh/therm_pm72.c | 11 ++++++-----
1 files changed, 6 insertions(+), 5 deletions(-)

diff --git a/drivers/macintosh/therm_pm72.c b/drivers/macintosh/therm_pm72.c
index b002a4b..7e9cbb7 100644

```
--- a/drivers/macintosh/therm_pm72.c
+++ b/drivers/macintosh/therm_pm72.c
@@ -121,6 +121,7 @@
#include <linux/reboot.h>
#include <linux/kmod.h>
#include <linux/i2c.h>
+#include <linux/kthread.h>
#include <asm/prom.h>
#include <asm/machdep.h>
#include <asm/io.h>
@@ -161,7 +162,7 @@ static struct slots_pid_state slots_state;
static int state;
static int cpu_count;
static int cpu_pid_type;
-static pid_t ctrl_task;
+static int ctrl_task;
static struct completion ctrl_complete;
static int critical_state;
static int rackmac;
@@ -1779,8 +1780,6 @@ static int call_critical_overtemp(void)
*/
static int main_control_loop(void *x)
{
- daemonize("kfand");
-
DBG("main_control_loop started\n");

down(&driver_lock);
@@ -1859,7 +1858,6 @@ static int main_control_loop(void *x)
machine_power_off();
```

```

}

- // FIXME: Deal with signals
  elapsed = jiffies - start;
  if (elapsed < HZ)
    schedule_timeout_interruptible(HZ - elapsed);
@@ -1954,9 +1952,12 @@ static int create_control_loops(void)
  */
  static void start_control_loops(void)
  {
+ struct task_struct *task;
    init_completion(&ctrl_complete);

- ctrl_task = kernel_thread(main_control_loop, NULL, SIGCHLD | CLONE_KERNEL);
+ task = kthread_run(main_control_loop, NULL, "kfan");
+ if (!IS_ERR(task))
+   ctrl_task = 1;
  }

/*
--
1.5.0.g53756

```

Containers mailing list
Containers@lists.linux-foundation.org
<https://lists.linux-foundation.org/mailman/listinfo/containers>
