
Subject: [PATCH] macintosh/therm_pm72.c: Convert to kthread API.

Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:47 GMT

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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

```

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