
Subject: [PATCH] pnppbios: Conert to use the kthread API.

Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:37 GMT

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

This patches modifies the pnppbios kernel thread to start with ktrhead_run not kernel_thread and deamonize. Doing this makes the code a little simpler and easier to maintain.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

drivers/pnp/pnppbios/core.c | 16 ++++++-----

1 files changed, 7 insertions(+), 9 deletions(-)

```
diff --git a/drivers/pnp/pnppbios/core.c b/drivers/pnp/pnppbios/core.c
index c2ed53f..3a201b7 100644
--- a/drivers/pnp/pnppbios/core.c
+++ b/drivers/pnp/pnppbios/core.c
@@ -62,6 +62,7 @@
 #include <linux/delay.h>
 #include <linux/acpi.h>
 #include <linux/freezer.h>
+#include <linux/kthread.h>

#include <asm/page.h>
#include <asm/desc.h>
@@ -159,9 +160,7 @@ static int pnp_dock_thread(void * unused)
{
    static struct pnp_docking_station_info now;
    int docked = -1, d = 0;
- daemonize("kpnpbiosd");
- allow_signal(SIGKILL);
- while(!unloading && !signal_pending(current))
+ while (!unloading)
{
    int status;

@@ -170,11 +169,8 @@ static int pnp_dock_thread(void * unused)
 */
    msleep_interruptible(2000);

- if(signal_pending(current)) {
-     if (try_to_freeze())
-         continue;
-     break;
- }
+ if (try_to_freeze())
```

```
+ continue;

status = pnp_bios_dock_station_info(&now);

@@ -582,6 +578,7 @@ @@@ subsys_initcall(pnppbios_init);

static int __init pnppbios_thread_init(void)
{
+ struct task_struct *task;
#ifndef CONFIG_PPC_MERGE
 if (check_legacy_ioport(PNPBIOS_BASE))
    return 0;
@@ -590,7 +587,8 @@ static int __init pnppbios_thread_init(void)
    return 0;
#endif CONFIG_HOTPLUG
 init_completion(&unload_sem);
- if (kernel_thread(pnp_dock_thread, NULL, CLONE_KERNEL) > 0)
+ task = kthread_run(pnp_dock_thread, NULL, "kpnpbiosd");
+ if (!IS_ERR(task))
    unloading = 0;
#endif
    return 0;
--
```

1.5.0.g53756

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