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Subject: [PATCH] pnpbios: Conert to use the kthread API.  
Posted by [ebiederm](#) on Thu, 19 Apr 2007 06:55:32 GMT  
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From: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)> - unquoted

This patches modifies the pnpbios kernel thread to start with ktrhead\_run not kernel\_thread and daemonize. Doing this makes the code a little simpler and easier to maintain.

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

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drivers/pnp/pnpbios/core.c | 16 ++++++-----  
1 files changed, 7 insertions(+), 9 deletions(-)

diff --git a/drivers/pnp/pnpbios/core.c b/drivers/pnp/pnpbios/core.c  
index c2ed53f..3a201b7 100644

--- a/drivers/pnp/pnpbios/core.c

+++ b/drivers/pnp/pnpbios/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("knpnbiosd");  
- 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(pnpbios_init);

static int __init pnpbios_thread_init(void)
{
+ struct task_struct *task;
#ifdef CONFIG_PPC_MERGE
    if (check_legacy_ioport(PNPBIOS_BASE))
        return 0;
@@ -590,7 +587,8 @@ static int __init pnpbios_thread_init(void)
    return 0;
#ifdef CONFIG_HOTPLUG
    init_completion(&unload_sem);
- if (kernel_thread(pnp_dock_thread, NULL, CLONE_KERNEL) > 0)
+ task = kthread_run(pnp_dock_thread, NULL, "knpbiosd");
+ if (!IS_ERR(task))
    unloading = 0;
#endif
    return 0;
--
1.5.0.g53756

```

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<https://lists.linux-foundation.org/mailman/listinfo/containers>

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