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Subject: [PATCH] cpqphp: Convert to use the kthread API

Posted by [ebiederm](#) on Thu, 19 Apr 2007 06:55:31 GMT

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From: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)> - unquoted

This patch changes cpqphp to use kthread\_run and not kernel\_thread and daemonize to startup and setup the cpqphp thread.

Cc: Greg Kroah-Hartman <[gregkh@suse.de](mailto:gregkh@suse.de)>

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

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drivers/pci/hotplug/cpqphp\_ctrl.c | 12 ++++-----

1 files changed, 4 insertions(+), 8 deletions(-)

diff --git a/drivers/pci/hotplug/cpqphp\_ctrl.c b/drivers/pci/hotplug/cpqphp\_ctrl.c

index 79ff6b4..c2c06c4 100644

--- a/drivers/pci/hotplug/cpqphp\_ctrl.c  
+++ b/drivers/pci/hotplug/cpqphp\_ctrl.c  
@@ -37,6 +37,7 @@

```
#include <linux/smp_lock.h>  
#include <linux/pci.h>  
#include <linux/pci_hotplug.h>  
+#include <linux/kthread.h>  
#include "cpqphp.h"
```

```
static u32 configure_new_device(struct controller* ctrl, struct pci_func *func,  
@@ -1746,10 +1747,6 @@ static void pushbutton_helper_thread(unsigned long data)  
static int event_thread(void* data)
```

```
{  
    struct controller *ctrl;  
- lock_kernel();  
- daemonize("phpd_event");  
-  
- unlock_kernel();
```

```
while (1) {  
    dbg("!!!event_thread sleeping\n");  
@@ -1771,7 +1768,7 @@ static int event_thread(void* data)
```

```
int cpqhp_event_start_thread(void)  
{  
- int pid;  
+ struct task_struct *task;
```

```
/* initialize our semaphores */  
init_MUTEX(&delay_sem);
```

```
@@ -1779,12 +1776,11 @@ int cpqhp_event_start_thread(void)
    init_MUTEX_LOCKED(&event_exit);
    event_finished=0;
```

```
- pid = kernel_thread(event_thread, NULL, 0);
- if (pid < 0) {
+ task = kthread_run(event_thread, NULL, "phpd_event");
+ if (IS_ERR(task)) {
    err ("Can't start up our event thread\n");
    return -1;
}
- dbg("Our event thread pid = %d\n", pid);
return 0;
}
```

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1.5.0.g53756

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