

---

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

Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:36 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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

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)>

---

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;
}
```

--

1.5.0.g53756

---

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

---