Subject: [PATCH] ibmphp: Convert to use the kthreads API
Posted by ebiederm on Thu, 19 Apr 2007 07:58:35 GMT
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From: Eric W. Biederman <ebiederm@xmission.com>

kthread_run replaces kernel_thread and dameonize.

allow_signal is unnecessary and has been removed.
tid_poll was unused and has been removed.

Cc: Jyoti Shah <jshah@us.ibm.com>
Cc: Greg Kroah-Hartman <gregkh@suse.de>
Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>
---
 drivers/pci/hotplug/ibmphp_hpc.c | 14 +++++---------
 1 files changed, 5 insertions(+), 9 deletions(-)

diff --git a/drivers/pci/hotplug/ibmphp_hpc.c b/drivers/pci/hotplug/ibmphp_hpc.c
index 46abaa8..27e12f1 100644
--- a/drivers/pci/hotplug/ibmphp_hpc.c
+++ b/drivers/pci/hotplug/ibmphp_hpc.c
@@ -34,6 +34,7 @@
 #include <linux/pci.h>
 #include <linux/init.h>
 #include <linux/mutex.h>
+#include <linux/kthread.h>

 #include "ibmphp.h"

@@ -101,7 +102,6 @@ static int to_debug = 0;
 // global variables
 //--
 static int ibmphp_shutdown;
-static int tid_poll;
 static struct mutex sem_hpcaccess; // lock access to HPC
 static struct semaphore semOperations; // lock all operations and
     // access to data structures
@@ -137,7 +137,6 @@ void __init ibmphp_hpc_initvars (void)
  init_MUTEX_LOCKED (&sem_exit);
  to_debug = 0;
  ibmphp_shutdown = 0;
- tid_poll = 0;

  debug ("%s - Exit\n", __FUNCTION__);
 }
@@ -1060,12 +1059,8 @@ static int hpc_poll_thread (void *data)
 {

```
  debug ("%s - Entry\n", __FUNCTION__);

- daemonize("hpc_poll");
- allow_signal(SIGKILL);
-
  poll_hpc ();

- tid_poll = 0;
  debug ("%s - Exit\n", __FUNCTION__);
  return 0;
 }
@@ -1078,17 +1073,18 @@ static int hpc_poll_thread (void *data)
 *---------------------------------------------------------------------*/
 int __init ibmphp_hpc_start_poll_thread (void)
 {
+ struct task_struct *task;
  int rc = 0;

  debug ("%s - Entry\n", __FUNCTION__);

- tid_poll = kernel_thread (hpc_poll_thread, NULL, 0);
- if (tid_poll < 0) {
+ task = kthread_run(hpc_poll_thread, NULL, "hpc_poll");
+ if (IS_ERR(task)) {
   err ("%s - Error, thread not started\n", __FUNCTION__);
   rc = -1;
  }

- debug ("%s - Exit tid_poll[%d] rc[%d]\n", __FUNCTION__, tid_poll, rc);
+ debug ("%s - Exit rc[%d]\n", __FUNCTION__, rc);
  return rc;
 }

--
1.5.0.g53756
```

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