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