
Subject: [PATCH] sparc64/power.c: Convert to use the kthread API

Posted by [ebiederm](#) on Thu, 19 Apr 2007 07:58:39 GMT

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This starts the sparc64 powerd using kthread_run instead of kernel_thread and daemonize. Making the code slightly simpler and more maintainable.

In addition the unnecessary flush_signals is removed.

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Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

```
arch/sparc64/kernel/power.c |  8 ++++++  
1 files changed, 4 insertions(+), 4 deletions(-)
```

```
diff --git a/arch/sparc64/kernel/power.c b/arch/sparc64/kernel/power.c  
index 699b24b..03feb8b 100644  
--- a/arch/sparc64/kernel/power.c  
+++ b/arch/sparc64/kernel/power.c  
@@ -13,6 +13,7 @@  
 #include <linux/interrupt.h>  
 #include <linux/pm.h>  
 #include <linux/syscalls.h>  
+#include <linux/kthread.h>  
  
#include <asm/system.h>  
#include <asm/auxio.h>  
@@ -81,15 +82,12 @@ static int powerd(void * __unused)  
 char *argv[] = { "/sbin/shutdown", "-h", "now", NULL };  
 DECLARE_WAITQUEUE(wait, current);  
  
- daemonize("powerd");  
-  
 add_wait_queue(&powerd_wait, &wait);  
again:  
for (;;) {  
    set_task_state(current, TASK_INTERRUPTIBLE);  
    if (button_pressed)  
        break;  
- flush_signals(current);  
    schedule();  
}  
__set_current_state(TASK_RUNNING);  
@@ -128,7 +126,9 @@ static int __devinit power_probe(struct of_device *op, const struct  
of_device_id
```

```
poweroff_method = machine_halt; /* able to use the standard halt */

if (has_button_interrupt(irq, op->node)) {
- if (kernel_thread(powerd, NULL, CLONE_FS) < 0) {
+ struct task_struct *task;
+ task = kthread_urn(powerd, NULL, "powerd");
+ if (IS_ERR(task)) {
    printk("Failed to start power daemon.\n");
    return 0;
}
--
```

1.5.0.g53756

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