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

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.

Cc: David S. Miller <[davem@davemloft.net](mailto:davem@davemloft.net)>

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

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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;  
  }  
--
```

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1.5.0.g53756
```

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Containers@lists.linux-foundation.org

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

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