

[PATCH 4/8] Char: moxa, remove hangup bottomhalf

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2006-12/msg08065.html>

- *From:* Jiri Slaby <jirislaby@xxxxxxxxxx>
 - *Date:* Sun, 31 Dec 2006 02:04:50 +0100 (CET)
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moxa, remove hangup bottomhalf

call tty_hangup directly, we do not need a bottomhalf for this.

Signed-off-by: Jiri Slaby <jirislaby@xxxxxxxxxx>

commit 9146480faf6469f789229e4f09d99a90b3e05c26
tree 58eb5f2f3943a17ad05b3fd869ab987e63a4fe14
parent 8171e38961018ef16df52084d1356f891f43ba6f
author Jiri Slaby <jirislaby@xxxxxxxxxx> Sun, 31 Dec 2006 01:42:55 +0059
committer Jiri Slaby <jirislaby@xxxxxxxxxx> Sun, 31 Dec 2006 01:42:55 +0059

drivers/char/moxa.c | 25 +++-----
1 files changed, 3 insertions(+), 22 deletions(-)

```
diff --git a/drivers/char/moxa.c b/drivers/char/moxa.c
index 84797a0..ef2558f 100644
--- a/drivers/char/moxa.c
+++ b/drivers/char/moxa.c
@@ -159,7 +159,6 @@ struct moxa_str {
int cflag;
wait_queue_head_t open_wait;
wait_queue_head_t close_wait;
- struct work_struct tqueue;
};

struct mxser_mstatus {
@@ -178,9 +177,6 @@ static struct mxser_mstatus GMStatus[MAX_PORTS];
#define EMPTYWAIT 0x4
#define THROTTLE 0x8

-/* event */
-#define MOXA_EVENT_HANGUP 1
-
#define SERIAL_DO_RESTART
```

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```
@@ -213,7 +209,6 @@ module_param(verbose, bool, 0644);
/*
* static functions:
*/
-static void do_moxa_softint(struct work_struct *);
static int moxa_open(struct tty_struct *, struct file *);
static void moxa_close(struct tty_struct *, struct file *);
static int moxa_write(struct tty_struct *, const unsigned char *, int);
@@ -354,7 +349,6 @@ static int __init moxa_init(void)
for (i = 0, ch = moxaChannels; i < MAX_PORTS; i++, ch++) {
ch->type = PORT_16550A;
ch->port = i;
- INIT_WORK(&ch->tqueue, do_moxa_softint);
ch->close_delay = 5 * HZ / 10;
ch->closing_wait = 30 * HZ;
ch->cflag = B9600 | CS8 | CREAD | CLOCAL | HUPCL;
@@ -482,20 +476,6 @@ static void __exit moxa_exit(void)
module_init(moxa_init);
module_exit(moxa_exit);

-static void do_moxa_softint(struct work_struct *work)
-{
- struct moxa_str *ch = container_of(work, struct moxa_str, tqueue);
- struct tty_struct *tty;
-
- if (ch && (tty = ch->tty)) {
- if (test_and_clear_bit(MOXA_EVENT_HANGUP, &ch->event)) {
- tty_hangup(tty); /* FIXME: module removal race here - AKPM */
- wake_up_interruptible(&ch->open_wait);
- ch->asynclflags &= ~ASYNC_NORMAL_ACTIVE;
- }
- }
- }
-
static int moxa_open(struct tty_struct *tty, struct file *filp)
{
struct moxa_str *ch;
@@ -908,8 +888,9 @@ static void moxa_poll(unsigned long ignored)
if (MoxaPortDCDON(ch->port))
wake_up_interruptible(&ch->open_wait);
else {
- set_bit(MOXA_EVENT_HANGUP, &ch->event);
- schedule_work(&ch->tqueue);
+ tty_hangup(tp);
+ wake_up_interruptible(&ch->open_wait);
+ ch->asynclflags &= ~ASYNC_NORMAL_ACTIVE;
}
}
}
-

```

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the body of a message to majordomo@xxxxxxxxxxxxxxxx

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