
Subject: Re: [PATCH 2/3] pcmcia: Handle request_irq() failure while opening device
Posted by [Dmitriy Monakhov](#) on Mon, 26 Feb 2007 18:07:38 GMT
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Monakhov Dmitriy <dmonakhov@openvz.org> writes:

```
> Signed-off-by: Monakhov Dmitriy <dmonakhov@openvz.org>
> ---
> drivers/net/pcmcia/axnet_cs.c | 8 ++++++--
> drivers/net/pcmcia/pcnet_cs.c | 8 ++++++--
> 2 files changed, 14 insertions(+), 2 deletions(-)
>
> diff --git a/drivers/net/pcmcia/axnet_cs.c b/drivers/net/pcmcia/axnet_cs.c
> index 6139048..9b57bab 100644
> --- a/drivers/net/pcmcia/axnet_cs.c
> +++ b/drivers/net/pcmcia/axnet_cs.c
> @@ -523,6 +523,7 @@ static int axnet_open(struct net_device *dev)
> {
>     axnet_dev_t *info = PRIV(dev);
>     struct pcmcia_device *link = info->p_dev;
> + int err = 0;
>
>     DEBUG(2, "axnet_open('%s')\n", dev->name);
>
> @@ -531,7 +532,12 @@ static int axnet_open(struct net_device *dev)
>
>     link->open++;
>
> - request_irq(dev->irq, ei_irq_wrapper, IRQF_SHARED, "axnet_cs", dev);
> + err = request_irq(dev->irq, ei_irq_wrapper, IRQF_SHARED, "axnet_cs", dev);
> + if (err) {
> + printk("axnet_cs: request_irq() failed %s\n", dev->name);
> + link->open--;
> + return -EBUSY;
```

As David Miller noted it is better to return exact error code from request_irq(), truly most net_device->open() functions return error code without changing.
The updated patch version following:

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```
---
drivers/net/pcmcia/axnet_cs.c | 8 ++++++--
drivers/net/pcmcia/pcnet_cs.c | 8 ++++++--
2 files changed, 14 insertions(+), 2 deletions(-)
```

```
diff --git a/drivers/net/pcmcia/axnet_cs.c b/drivers/net/pcmcia/axnet_cs.c
index 6139048..9b57bab 100644
--- a/drivers/net/pcmcia/axnet_cs.c
+++ b/drivers/net/pcmcia/axnet_cs.c
```

```

@@ -523,6 +523,7 @@ static int axnet_open(struct net_device *dev)
{
    axnet_dev_t *info = PRIV(dev);
    struct pcmcia_device *link = info->p_dev;
+   int err = 0;

    DEBUG(2, "axnet_open('%s')\n", dev->name);

@@ -531,7 +532,12 @@ static int axnet_open(struct net_device *dev)

    link->open++;

-   request_irq(dev->irq, ei_irq_wrapper, IRQF_SHARED, "axnet_cs", dev);
+   err = request_irq(dev->irq, ei_irq_wrapper, IRQF_SHARED, "axnet_cs", dev);
+   if (err) {
+   printk("axnet_cs: request_irq() failed %s\n", dev->name);
+   link->open--;
+   return err;
+   }

    info->link_status = 0x00;
    init_timer(&info->watchdog);
diff --git a/drivers/net/pcmcia/pcnet_cs.c b/drivers/net/pcmcia/pcnet_cs.c
index d88e9b2..13923ea 100644
--- a/drivers/net/pcmcia/pcnet_cs.c
+++ b/drivers/net/pcmcia/pcnet_cs.c
@@ -962,6 +962,7 @@ static int pcnet_open(struct net_device *dev)
{
    pcnet_dev_t *info = PRIV(dev);
    struct pcmcia_device *link = info->p_dev;
+   int err = 0;

    DEBUG(2, "pcnet_open('%s')\n", dev->name);

@@ -971,7 +972,12 @@ static int pcnet_open(struct net_device *dev)
    link->open++;

    set_misc_reg(dev);
-   request_irq(dev->irq, ei_irq_wrapper, IRQF_SHARED, dev_info, dev);
+   err = request_irq(dev->irq, ei_irq_wrapper, IRQF_SHARED, dev_info, dev);
+   if (err) {
+   printk("pcnet_open: request_irq() failed %s\n", dev->name);
+   link->open--;
+   return err;
+   }

    info->phy_id = info->eth_phy;
    info->link_status = 0x00;

```

--

1.5.0.1
