
Subject: [PATCH] e1000: IRQ resource cleanup
Posted by [vaverin](#) on Sat, 19 Aug 2006 20:14:51 GMT
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patch updated: It seems for me e1000_power_down_phy() should be added to rollback e1000_power_up_phy().

I know, currently e1000_up() always return success. But this behaviour may be changed in future...

Andrew,
could you please use attached patch instead previous version?

irq leak was found in 2.6.18-rc4 and e1000 7.2.7 from sourceforge:
if e1000_up fails in e1000_open() we do not free allocated irq

Signed-off-by: Vasily Averin <vvs@sw.ru>

Thank you,
Vasily Averin

SWsoft Virtuozzo/OpenVZ Linux kernel team

--- linux-2.6.18-rc4/drivers/net/e1000/e1000_main.c.oirq1 2006-08-19 22:57:02.000000000 +0400
+++ linux-2.6.18-rc4/drivers/net/e1000/e1000_main.c 2006-08-19 23:02:45.000000000 +0400
@@ -1208,7 +1208,7 @@ e1000_open(struct net_device *netdev)

```
    err = e1000_request_irq(adapter);  
    if (err)  
-    goto err_up;  
+    goto err_req_irq;
```

```
    e1000_power_up_phy(adapter);
```

```
@@ -1229,6 +1229,9 @@ e1000_open(struct net_device *netdev)  
    return E1000_SUCCESS;
```

```
err_up:  
+ e1000_power_down_phy(adapter);  
+ e1000_free_irq(adapter);  
+err_req_irq:  
    e1000_free_all_rx_resources(adapter);  
err_setup_rx:  
    e1000_free_all_tx_resources(adapter);
```
