
Subject: [PATCH 2.6.18] e1000: fix initialization irqs
Posted by [Mishin Dmitry](#) on Wed, 22 Nov 2006 12:49:14 GMT
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In case of irqpoll boot option set, e1000 may oops due to:

- 1) e1000 register it's handler with e1000_request_irq
- 2) spurious interrupt happens
- 3) kernel tries to handle this interrupt with all available desc's
- 4) e1000_intr is called and oops due to not initialized clean_rx handler, because e1000_up is not called yet.

Solution is to initialize driver before handler registration.

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e1000_main.c | 9 +++++----
1 file changed, 5 insertions(+), 4 deletions(-)

--- ./drivers/net/e1000/e1000_main.c.e1000 2006-09-20 07:42:06.000000000 +0400

+++ ./drivers/net/e1000/e1000_main.c 2006-11-22 14:08:15.000000000 +0300

@@ -1206,14 +1206,15 @@ e1000_open(struct net_device *netdev)

if ((err = e1000_setup_all_rx_resources(adapter)))
goto err_setup_rx;

- err = e1000_request_irq(adapter);

- if (err)

- goto err_up;

-

e1000_power_up_phy(adapter);

if ((err = e1000_up(adapter)))

goto err_up;

+

+ err = e1000_request_irq(adapter);

+ if (err)

+ goto err_up;

+

adapter->mng_vlan_id = E1000_MNG_VLAN_NONE;

if ((adapter->hw.mng_cookie.status &
E1000_MNG_DHCP_COOKIE_STATUS_VLAN_SUPPORT)) {
