Subject: [PATCH] e1000: ring buffers resources cleanup
Posted by vaverin on Fri, 18 Aug 2006 15:02:34 GMT
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Memory leak was found in 2.6.18-rc4 and e1000 7.2.7 from sourceforge:
We should free resources allocated for previous rings if following allocation fails.

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.irsrs 2006-08-18 16:58:51.000000000 +0400
+++ linux-2.6.18-rc4/drivers/net/e1000/e1000_main.c 2006-08-18 18:53:05.000000000 +0400
@@ -1398,6 +1398,9 @@ e1000_setup_all_tx_resources(struct e100
   if (err) {
    DPRINTK(PROBE, ERR,
     "Allocation for Tx Queue %u failed\n", i);
+   for (i-- ; i >= 0; i--)
+    e1000_free_tx_resources(adapter,
+       &adapter->tx_ring[i]);
    break;
   }
  }
@@ -1656,6 +1659,9 @@ e1000_setup_all_rx_resources(struct e100
   if (err) {
    DPRINTK(PROBE, ERR,
     "Allocation for Rx Queue %u failed\n", i);
+   for (i-- ; i >= 0; i--)
+    e1000_free_rx_resources(adapter,
+       &adapter->rx_ring[i]);
    break;
   }
  }
```