Subject: [PATCH 5/5] fixing errors handling during pci_driver resume stage [serial]
Posted by Dmitriy Monakhov on Tue, 09 Jan 2007 09:01:58 GMT
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serial pci drivers have to return correct error code during resume stage in
case of errors.
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```
diff --git a/drivers/parport/parport_serial.c b/drivers/parport/parport_serial.c
index 78c0a26..1e14906 100644
--- a/drivers/parport/parport_serial.c
+++ b/drivers/parport/parport_serial.c
@@ -392,6 +392,7 @@ static int parport_serial_pci_suspend(st
 static int parport_serial_pci_resume(struct pci_dev *dev)
 {
  struct parport_serial_private *priv = pci_get_drvdata(dev);
+ int err;

  pci_set_power_state(dev, PCI_D0);
  pci_restore_state(dev);
@@ -399,7 +400,11 @@ static int parport_serial_pci_resume(str
  /*
   * The device may have been disabled.  Re-enable it.
   */
- pci_enable_device(dev);
+ err = pci_enable_device(dev);
+ if (err) {
+  dev_err(&dev->dev, "Cannot enable PCI device, aborting.\n");
+  return err;
+ }

  if (priv->serial)
   pciserial_resume_ports(priv->serial);
diff --git a/drivers/serial/8250_pci.c b/drivers/serial/8250_pci.c
index 52e2e64..e26e4a6 100644
--- a/drivers/serial/8250_pci.c
+++ b/drivers/serial/8250_pci.c
@@ -1805,6 +1805,7 @@ static int pciserial_suspend_one(struct
 static int pciserial_resume_one(struct pci_dev *dev)
 {
  struct serial_private *priv = pci_get_drvdata(dev);
+ int err;

  pci_set_power_state(dev, PCI_D0);
  pci_restore_state(dev);
@@ -1813,7 +1814,12 @@ static int pciserial_resume_one(struct p
   /*
```

```
    * The device may have been disabled.  Re-enable it.
    */
-  pci_enable_device(dev);
+  err = pci_enable_device(dev);
+  if (err) {
+   dev_err(&dev->dev, "Cannot enable PCI device, "
+    "aborting.\n");
+   return err;
+  }

   pciserial_resume_ports(priv);
  }
diff --git a/drivers/serial/serial_txx9.c b/drivers/serial/serial_txx9.c
index 7186a82..583cdc8 100644
--- a/drivers/serial/serial_txx9.c
+++ b/drivers/serial/serial_txx9.c
@@ -1132,12 +1132,19 @@ static int pciserial_txx9_suspend_one(st
 static int pciserial_txx9_resume_one(struct pci_dev *dev)
 {
  int line = (int)(long)pci_get_drvdata(dev);
+ int err;

  pci_set_power_state(dev, PCI_D0);
  pci_restore_state(dev);

  if (line) {
-  pci_enable_device(dev);
+  err = pci_enable_device(dev);
+  if (err) {
+   dev_err(&dev->dev, "Cannot enable PCI device, "
+    "aborting.\n");
+   return err;
+  }
+
   serial_txx9_resume_port(line);
  }
  return 0;
```