
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.

Signed-off-by: Dmitriy Monakhov <dmonakhov@openvz.org>

```
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;

```
