

# Fix few remaining u32 vs. pm\_message\_t issues

*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-02/6507.html>

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To: Andrew Morton <akpm@zip.com.au>, kernel list <linux-kernel@vger.kernel.org>

Hi!

-mm is pretty good in u32 vs. pm\_message\_t area, there are only few  
-places missing. Some of them are in usb (and already on their way  
-through greg), this should fix the rest. Only code change is  
-pci\_choose\_state in savagefb. Please apply,  
Pavel

Signed-off-by: Pavel Machek <pavel@suse.cz>

```
--- clean-mm/drivers/base/power/runtime.c 2005-01-12 11:07:39.000000000 +0100
+++ linux-mm/drivers/base/power/runtime.c 2005-02-28 21:05:15.000000000 +0100
@@ -16,7 +16,7 @@
     if (!dev->power.power_state)
         return;
     if (!resume_device(dev))
- dev->power.power_state = 0;
+ dev->power.power_state = PMSG_ON;
 }
```

```
--- clean-mm/drivers/base/power/sysfs.c 2004-08-15 19:14:55.000000000 +0200
+++ linux-mm/drivers/base/power/sysfs.c 2005-02-28 21:05:15.000000000 +0100
@@ -31,7 +31,7 @@
```

```
static ssize_t state_store(struct device * dev, const char * buf, size_t n)
{
- u32 state;
+ pm_message_t state;
    char * rest;
    int error = 0;
```

Only in linux-mm/drivers/char: consolemap\_defb.c

```
--- clean-mm/drivers/ide/ide-disk.c 2005-02-28 01:13:56.000000000 +0100
+++ linux-mm/drivers/ide/ide-disk.c 2005-02-28 21:05:15.000000000 +0100
@@ -1098,7 +1098,7 @@
 }
```

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```
    printk("Shutdown: %s\n", drive->name);
- dev->bus->suspend(dev, PM_SUSPEND_STANDBY);
+ dev->bus->suspend(dev, PMSG_SUSPEND);
}

/*
--- clean-mm/drivers/media/video/msp3400.c 2005-02-03 22:27:14.000000000 +0100
+++ linux-mm/drivers/media/video/msp3400.c 2005-02-28 21:05:15.000000000 +0100
@@ -1422,7 +1422,7 @@
static int msp_probe(struct i2c_adapter *adap);
static int msp_command(struct i2c_client *client, unsigned int cmd, void *arg);

-static int msp_suspend(struct device * dev, u32 state, u32 level);
+static int msp_suspend(struct device * dev, pm_message_t state, u32 level);
static int msp_resume(struct device * dev, u32 level);

static void msp_wake_thread(struct i2c_client *client);
@@ -1830,7 +1830,7 @@
    return 0;
}

-static int msp_suspend(struct device * dev, u32 state, u32 level)
+static int msp_suspend(struct device * dev, pm_message_t state, u32 level)
{
    struct i2c_client *c = container_of(dev, struct i2c_client, dev);

--- clean-mm/drivers/pci/pci.c 2005-02-28 01:13:58.000000000 +0100
+++ linux-mm/drivers/pci/pci.c 2005-02-28 21:05:55.000000000 +0100
@@ -312,13 +312,14 @@
/**
 * pci_choose_state - Choose the power state of a PCI device
 * @dev: PCI device to be suspended
- * @state: target sleep state for the whole system
+ * @state: target sleep state for the whole system. This is the value
+ * that is passed to suspend() function.
 *
 * Returns PCI power state suitable for given device and given system
 * message.
 */

-pci_power_t pci_choose_state(struct pci_dev *dev, u32 state)
+pci_power_t pci_choose_state(struct pci_dev *dev, pm_message_t state)
{
    if (!pci_find_capability(dev, PCI_CAP_ID_PM))
        return PCI_D0;
--- clean-mm/drivers/video/i810/i810_main.c 2005-02-28 01:14:02.000000000 +0100
+++ linux-mm/drivers/video/i810/i810_main.c 2005-02-28 21:05:15.000000000 +0100
@@ -1492,7 +1492,7 @@
/*****
 * Power Management *

```

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```
*****/
-static int i810fb_suspend(struct pci_dev *dev, u32 state)
+static int i810fb_suspend(struct pci_dev *dev, pm_message_t state)
{
    struct fb_info *info = pci_get_drvdata(dev);
    struct i810fb_par *par = (struct i810fb_par *) info->par;
--- clean-mm/drivers/video/savage/savagefb.c 2005-02-28 01:14:02.000000000 +0100
+++ linux-mm/drivers/video/savage/savagefb.c 2005-02-28 21:05:15.000000000 +0100
@@ -2100,7 +2100,7 @@
    }
}

-static int savagefb_suspend (struct pci_dev* dev, u32 state)
+static int savagefb_suspend (struct pci_dev* dev, pm_message_t state)
{
    struct fb_info *info =
        (struct fb_info *)pci_get_drvdata(dev);
@@ -2115,7 +2115,7 @@
    release_console_sem();

    pci_disable_device(dev);
- pci_set_power_state(dev, state);
+ pci_set_power_state(dev, pci_choose_state(dev, state));

    return 0;
}

--
People were complaining that M$ turns users into beta-testers...
...jr ghea gurz vagb qrirybcref, naq gurl frrz gb yvyr vg gung jnl!
-
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```