

[PATCH] [2.6.24] Add PPC nvram ioctls to compat_ioctl

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2007-12/msg09834.html>

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 - *Date:* Mon, 31 Dec 2007 16:45:58 -0600
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Fix the following console warning when running 'nvsetenv', and makes setting of new variables work again:

```
ioctl32(nvsetenv:4022): Unknown cmd fd(3) cmd(20007043){t:'p';sz:0}
arg(00000003) on /dev/nvram
```

That's the IOC_NVRAM_SYNC call.

Signed-off-by: Olof Johansson <olof@xxxxxxxx>

```
diff --git a/fs/compat_ioctl.c b/fs/compat_ioctl.c
index e8b7c3a..7be6765 100644
--- a/fs/compat_ioctl.c
+++ b/fs/compat_ioctl.c
@@ -113,6 +113,10 @@
#include <asm/fbio.h>
#endif

+#ifdef CONFIG_PPC
+#include <asm/nvram.h>
+#endif
+
static int do_ioctl32_pointer(unsigned int fd, unsigned int cmd,
unsigned long arg, struct file *f)
{
@@ -285,6 +286,13 @@ IGNORE_IOCTL(FBIOGETCMAP32)
IGNORE_IOCTL(FBIOSC_CURSOR32)
IGNORE_IOCTL(FBIOG_CURSOR32)
#endif
+
+#ifdef CONFIG_PPC
+/* PPC-specific NVRAM IOCTLS */
+COMPATIBLE_IOCTL(OBSOLETE_PMAC_NVRAM_GET_OFFSET)
+COMPATIBLE_IOCTL(IOC_NVRAM_GET_OFFSET)
+COMPATIBLE_IOCTL(IOC_NVRAM_SYNC)
+#endif
};
```

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```
#define IOCTL_HASHSIZE 256
```

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