Subject: [PATCH 09/12] proc: convert /proc/bus/nubus to seq_file interface
Posted by Alexey Dobriyan on Tue, 08 Apr 2008 15:00:50 GMT
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Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>
---

 drivers/nubus/proc.c | 42 ++++++++++++++++++++++++++----------------
 1 file changed, 20 insertions(+), 22 deletions(-)

```
--- a/drivers/nubus/proc.c
+++ b/drivers/nubus/proc.c
@@ -21,6 +21,7 @@
 #include <linux/kernel.h>
 #include <linux/nubus.h>
 #include <linux/proc_fs.h>
+#include <linux/seq_file.h>
 #include <linux/init.h>
 #include <linux/module.h>

@@ -28,38 +29,36 @@
 #include <asm/byteorder.h>

 static int
-get_nubus_dev_info(char *buf, char **start, off_t pos, int count)
+nubus_devices_proc_show(struct seq_file *m, void *v)
 {
  struct nubus_dev *dev = nubus_devices;
- off_t at = 0;
- int len, cnt;

- cnt = 0;
- while (dev && count > cnt) {
-  len = sprintf(buf, "%x\t%04x %04x %04x %04x",
+ while (dev) {
+  seq_printf(m, "%x\t%04x %04x %04x %04x",
          dev->board->slot,
          dev->category,
          dev->type,
          dev->dr_sw,
          dev->dr_hw);
-  len += sprintf(buf+len,
-          "\t%08lx",
-          dev->board->slot_addr);
-  buf[len++] = '\n';
-  at += len;
-  if (at >= pos) {
-   if (!*start) {
```

```
-    *start = buf + (pos - (at - len));
-    cnt = at - pos;
-   } else
-    cnt += len;
-   buf += len;
-  }
+  seq_printf(m, "\t%08lx\n", dev->board->slot_addr);
   dev = dev->next;
  }
- return (count > cnt) ? cnt : count;
+ return 0;
+}
+
+static int nubus_devices_proc_open(struct inode *inode, struct file *file)
+{
+ return single_open(file, nubus_devices_proc_show, NULL);
 }

+static const struct file_operations nubus_devices_proc_fops = {
+ .owner  = THIS_MODULE,
+ .open  = nubus_devices_proc_open,
+ .read  = seq_read,
+ .llseek  = seq_lseek,
+ .release = single_release,
+};
+
 static struct proc_dir_entry *proc_bus_nubus_dir;

 static void nubus_proc_subdir(struct nubus_dev* dev,
@@ -172,7 +171,6 @@ void __init nubus_proc_init(void)
  if (!MACH_IS_MAC)
   return;
  proc_bus_nubus_dir = proc_mkdir("bus/nubus", NULL);
- create_proc_info_entry("devices", 0, proc_bus_nubus_dir,
-    get_nubus_dev_info);
+ proc_create("devices", 0, proc_bus_nubus_dir, &nubus_devices_proc_fops);
  proc_bus_nubus_add_devices();
 }
--
1.5.4.3
```