Subject: [PATCH 07/12] proc: switch /proc/excite/unit_id to seq_file interface
Posted by Alexey Dobriyan on Tue, 08 Apr 2008 14:57:48 GMT
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Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>
---

 arch/mips/basler/excite/excite_procfs.c | 28 ++++++++++++++++++++--------
 1 file changed, 20 insertions(+), 8 deletions(-)

```
--- a/arch/mips/basler/excite/excite_procfs.c
+++ b/arch/mips/basler/excite/excite_procfs.c
@@ -18,8 +18,9 @@
  *  along with this program; if not, write to the Free Software
  *  Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA  02111-1307  USA
  */
-
+#include <linux/module.h>
 #include <linux/proc_fs.h>
+#include <linux/seq_file.h>
 #include <linux/stat.h>
 #include <asm/page.h>
 #include <asm/io.h>
@@ -28,14 +29,25 @@

 #include <excite.h>

-static int excite_get_unit_id(char *buf, char **addr, off_t offs, int size)
+static int excite_unit_id_proc_show(struct seq_file *m, void *v)
 {
- const int len = snprintf(buf, PAGE_SIZE, "%06x", unit_id);
- const int w = len - offs;
- *addr = buf + offs;
- return w < size ? w : size;
+ seq_printf(m, "%06x", unit_id);
+ return 0;
 }

+static int excite_unit_id_proc_open(struct inode *inode, struct file *file)
+{
+ return single_open(file, excite_unit_id_proc_show, NULL);
+}
+
+static const struct file_operations excite_unit_id_proc_fops = {
+ .owner  = THIS_MODULE,
+ .open  = excite_unit_id_proc_open,
+ .read  = seq_read,
+ .llseek  = seq_lseek,
```

```
+ .release = single_release,
+};
+
 static int
 excite_bootrom_read(char *page, char **start, off_t off, int count,
     int *eof, void *data)
@@ -69,8 +81,8 @@ void excite_procfs_init(void)
  if (pdir) {
   struct proc_dir_entry * e;

-  e = create_proc_info_entry("unit_id", S_IRUGO, pdir,
-        excite_get_unit_id);
+  e = proc_create("unit_id", S_IRUGO, pdir,
+    &excite_unit_id_proc_fops);
   if (e) e->size = 6;

   e = create_proc_read_entry("bootrom", S_IRUGO, pdir,
--
1.5.4.3
```