Subject: [PATCH 2/4] proc: detect duplicate names on registration
Posted by Alexey Dobriyan on Fri, 16 Nov 2007 15:08:40 GMT
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Andrew, please drop procfs-detect-duplicate-names.patch and apply this
instead.

[PATCH] proc: detect duplicate names on registration

From: Zhang Rui <rui.zhang@intel.com>

Print a warning if PDE is registered with a name which already exists in
target directory.

Bug report and a simple fix can be found here:
http://bugzilla.kernel.org/show_bug.cgi?id=8798

[\n fixlet and no undescriptive variable usage --adobriyan]
Signed-off-by: Zhang Rui <rui.zhang@intel.com>
Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>
---

 fs/proc/generic.c | 10 ++++++++++
 1 file changed, 10 insertions(+)

--- a/fs/proc/generic.c
+++ b/fs/proc/generic.c
@@ -518,6 +518,7 @@ static const struct inode_operations proc_dir_inode_operations = {
 static int proc_register(struct proc_dir_entry * dir, struct proc_dir_entry * dp)
 {
  unsigned int i;
+ struct proc_dir_entry *tmp;

  i = get_inode_number();
  if (i == 0)
@@ -536,6 +537,15 @@ static int proc_register(struct proc_dir_entry * dir, struct proc_dir_entry *
dp
  }

  spin_lock(&proc_subdir_lock);
+
+ for (tmp = dir->subdir; tmp; tmp = tmp->next)
+ if (strcmp(tmp->name, dp->name) == 0) {
+   printk(KERN_WARNING "PDE '%s' already registered\n",
+   dp->name);
+   dump_stack();
+   break;
+ }

```
+
  dp->next = dir->subdir;
  dp->parent = dir;
  dir->subdir = dp;
```