
Subject: [PATCH 2/4] proc: detect duplicate names on registration

Posted by [Alexey Dobriyan](#) on Fri, 16 Nov 2007 15:08:40 GMT

[View Forum Message](#) <> [Reply to Message](#)

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;
```
