
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;
```

Subject: Re: [PATCH 2/4] proc: detect duplicate names on registration
Posted by [Randy Dunlap](#) on Fri, 16 Nov 2007 16:45:26 GMT
[View Forum Message](#) <> [Reply to Message](#)

On Fri, 16 Nov 2007 18:08:40 +0300 Alexey Dobriyan wrote:

> 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

>

> [
fixlet and no un-descriptive 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

> @@ -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;

> + }

> +

Please just s/PDE/proc_dir_entry/.

~Randy
