
Subject: [PATCH 3/3] procfs: kill the global proc_mnt variable
Posted by [Daniel Lezcano](#) on Mon, 14 Feb 2011 19:16:03 GMT
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From: Oleg Nesterov <oleg@redhat.com>

After the previous cleanup in proc_get_sb() the global proc_mnt has no reasons to exists, kill it.

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```
fs/proc/inode.c | 2 --
fs/proc/internal.h | 1 -
fs/proc/root.c | 7 +++++
3 files changed, 4 insertions(+), 6 deletions(-)
```

diff --git a/fs/proc/inode.c b/fs/proc/inode.c
index 176ce4c..ee0f802 100644

--- a/fs/proc/inode.c

+++ b/fs/proc/inode.c

```
@@ -42,8 +42,6 @@ static void proc_evict_inode(struct inode *inode)
    sysctl_head_put(PROC_I(inode)->sysctl);
}
```

-struct vfsmount *proc_mnt;

-

static struct kmem_cache * proc_inode_cachep;

static struct inode *proc_alloc_inode(struct super_block *sb)

diff --git a/fs/proc/internal.h b/fs/proc/internal.h

index 9ad561d..c03e8d3 100644

--- a/fs/proc/internal.h

+++ b/fs/proc/internal.h

```
@@ -107,7 +107,6 @@ static inline struct proc_dir_entry *pde_get(struct proc_dir_entry *pde)
}
void pde_put(struct proc_dir_entry *pde);
```

-extern struct vfsmount *proc_mnt;

int proc_fill_super(struct super_block *);

struct inode *proc_get_inode(struct super_block *, struct proc_dir_entry *);

diff --git a/fs/proc/root.c b/fs/proc/root.c

index e5e2bfa..a9000e9 100644

--- a/fs/proc/root.c

+++ b/fs/proc/root.c

```
@@ -90,19 +90,20 @@ static struct file_system_type proc_fs_type = {
```

```

void __init proc_root_init(void)
{
+ struct vfsmount *mnt;
  int err;

  proc_init_inodecache();
  err = register_filesystem(&proc_fs_type);
  if (err)
    return;
- proc_mnt = kern_mount_data(&proc_fs_type, &init_pid_ns);
- if (IS_ERR(proc_mnt)) {
+ mnt = kern_mount_data(&proc_fs_type, &init_pid_ns);
+ if (IS_ERR(mnt)) {
    unregister_filesystem(&proc_fs_type);
    return;
  }

- init_pid_ns.proc_mnt = proc_mnt;
+ init_pid_ns.proc_mnt = mnt;
  proc_symlink("mounts", NULL, "self/mounts");

  proc_net_init();
--
1.7.1

```

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