Subject: [RFC] v2 - [PATCH 2/3] remove proc_mnt's use or killing inodes
Posted by Dave Hansen on Thu, 01 Feb 2007 02:53:16 GMT
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We use proc_mnt as a shortcut to find a superblock on which
to go killing /proc inodes. This will break if we ever have
more than one /proc superblock. So, use the superblock list
to go find each of the /proc sb's and kill inodes on each
superblock.

This eliminates one more use of proc_mnt.

---

 lxc-dave/fs/proc/generic.c | 28 ++++++++++++++++++++++-----
 1 file changed, 23 insertions(+), 5 deletions(-)

```
diff -puN fs/proc/generic.c~A1-remove-proc_mnt-0 fs/proc/generic.c
--- lxc/fs/proc/generic.c~A1-remove-proc_mnt-0 2007-01-26 14:29:17.000000000 -0800
+++ lxc-dave/fs/proc/generic.c 2007-01-26 14:29:17.000000000 -0800
@@ -547,13 +547,10 @@ static int proc_register(struct proc_dir
  return 0;
 }

-/*
- * Kill an inode that got unregistered..
- */
-static void proc_kill_inodes(struct proc_dir_entry *de)
+static void proc_kill_inodes_sb(struct proc_dir_entry *de,
+    struct super_block *sb)
 {
  struct list_head *p;
- struct super_block *sb = proc_mnt->mnt_sb;

  /*
   * Actually it's a partial revoke().
@@ -577,6 +574,27 @@ static void proc_kill_inodes(struct proc
  file_list_unlock();
 }

+/*
+ * Kill an inode that got unregistered..
+ */
+static void proc_kill_inodes(struct proc_dir_entry *de)
+{
+ struct list_head *l;
+ struct file_system_type *procfs;
+
```

```
+ procfs = get_fs_type("proc");
+ if (!procfs)
+  return;
+
+ spin_lock(&sb_lock);
+ list_for_each(l, &procfs->fs_supers) {
+  struct super_block *sb;
+  sb = list_entry(l, struct super_block, s_instances);
+  proc_kill_inodes_sb(de, sb);
+ }
+ spin_unlock(&sb_lock);
+}
+
 static struct proc_dir_entry *proc_create(struct proc_dir_entry **parent,
        const char *name,
        mode_t mode,
_
```