Subject: [PATCH 12/14] sysfs: Make sysfs_mount static
Posted by ebiederm on Tue, 31 Jul 2007 10:40:25 GMT
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This patch modifies the users of sysfs_mount to use sysfs_root instead
(which is what they are looking for). It then makes sysfs_mount
static to keep people from using it by accident.

The net result is slightly faster and clearer code.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>
---
fs/sysfs/dir.c | 4 +---
fs/sysfs/mount.c | 2 +-
fs/sysfs/symlink.c | 7 ++++----
fs/sysfs/sysfs.h | 1 -
4 files changed, 5 insertions(+), 9 deletions(-)

```
diff --git a/fs/sysfs/dir.c b/fs/sysfs/dir.c
index c17e601..1611cbd 100644
--- a/fs/sysfs/dir.c
+++ b/fs/sysfs/dir.c
@@ -671,10 +671,8 @@ int sysfs_create_dir(struct kobject * kobj)

  if (kobj->parent)
   parent_sd = kobj->parent->sd;
- else if (sysfs_mount && sysfs_mount->mnt_sb)
-  parent_sd = sysfs_mount->mnt_sb->s_root->d_fsdata;
  else
-  return -EFAULT;
+  parent_sd = &sysfs_root;

  error = create_dir(kobj, parent_sd, kobject_name(kobj), &sd);
  if (!error)
diff --git a/fs/sysfs/mount.c b/fs/sysfs/mount.c
index 3f652be..0ad731b 100644
--- a/fs/sysfs/mount.c
+++ b/fs/sysfs/mount.c
@@ -15,7 +15,7 @@
 /* Random magic number */
 #define SYSFS_MAGIC 0x62656572

-struct vfsmount *sysfs_mount;
+static struct vfsmount *sysfs_mount;
 struct super_block * sysfs_sb = NULL;
 struct kmem_cache *sysfs_dir_cachep;

diff --git a/fs/sysfs/symlink.c b/fs/sysfs/symlink.c
```

```
index 4ce687f..2b542dc 100644
--- a/fs/sysfs/symlink.c
+++ b/fs/sysfs/symlink.c
@@ -60,10 +60,9 @@ int sysfs_create_link(struct kobject * kobj, struct kobject * target, const
char

  BUG_ON(!name);

- if (!kobj) {
-  if (sysfs_mount && sysfs_mount->mnt_sb)
-   parent_sd = sysfs_mount->mnt_sb->s_root->d_fsdata;
- } else
+ if (!kobj)
+  parent_sd = &sysfs_root;
+ else
   parent_sd = kobj->sd;

  error = -EFAULT;
diff --git a/fs/sysfs/sysfs.h b/fs/sysfs/sysfs.h
index 60af864..265a16a 100644
--- a/fs/sysfs/sysfs.h
+++ b/fs/sysfs/sysfs.h
@@ -50,7 +50,6 @@ struct sysfs_addrm_cxt {
  int   cnt;
 };

-extern struct vfsmount * sysfs_mount;
 extern struct sysfs_dirent sysfs_root;
 extern struct kmem_cache *sysfs_dir_cachep;

--
1.5.1.1.181.g2de0
```

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