
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 @@
@@ -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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