
Subject: [PATCH 03/15] sysfs: sysfs_get_dentry add a sb parameter

Posted by [ebiederm](#) on Fri, 04 Jul 2008 01:08:02 GMT

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In preparation for multiple mounts of sysfs add a superblock parameter to sysfs_get_dentry.

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fs/sysfs/dir.c | 12 ++++++-----

fs/sysfs/file.c | 2 +-

fs/sysfs/sysfs.h | 3 ++-

3 files changed, 10 insertions(+), 7 deletions(-)

diff --git a/fs/sysfs/dir.c b/fs/sysfs/dir.c

index 146b86a..69c40ed 100644

--- a/fs/sysfs/dir.c

+++ b/fs/sysfs/dir.c

@@ -85,6 +85,7 @@ static void sysfs_unlink_sibling(struct sysfs_dirent *sd)

/**

* sysfs_get_dentry - get dentry for the given sysfs_dirent

+ * @sb: superblock of the dentry to return

* @sd: sysfs_dirent of interest

*

* Get dentry for @sd. Dentry is looked up if currently not

@@ -97,9 +98,10 @@ static void sysfs_unlink_sibling(struct sysfs_dirent *sd)

* RETURNS:

* Pointer to found dentry on success, ERR_PTR() value on error.

*/

-struct dentry *sysfs_get_dentry(struct sysfs_dirent *sd)

+struct dentry *sysfs_get_dentry(struct super_block *sb,

+ struct sysfs_dirent *sd)

{

- struct dentry *dentry = dget(sysfs_sb->s_root);

+ struct dentry *dentry = dget(sb->s_root);

while (dentry->d_fsdata != sd) {

struct sysfs_dirent *cur;

@@ -777,7 +779,7 @@ int sysfs_rename_dir(struct kobject * kobj, const char *new_name)

goto out; /* nothing to rename */

/* get the original dentry */

- old_dentry = sysfs_get_dentry(sd);

+ old_dentry = sysfs_get_dentry(sysfs_sb, sd);

```

if (IS_ERR(old_dentry)) {
    error = PTR_ERR(old_dentry);
    old_dentry = NULL;
@@ -841,7 +843,7 @@ int sysfs_move_dir(struct kobject *kobj, struct kobject *new_parent_kobj)
    goto out; /* nothing to move */

    /* get dentries */
- old_dentry = sysfs_get_dentry(sd);
+ old_dentry = sysfs_get_dentry(sysfs_sb, sd);
    if (IS_ERR(old_dentry)) {
        error = PTR_ERR(old_dentry);
        old_dentry = NULL;
@@ -849,7 +851,7 @@ int sysfs_move_dir(struct kobject *kobj, struct kobject *new_parent_kobj)
    }
    old_parent = old_dentry->d_parent;

- new_parent = sysfs_get_dentry(new_parent_sd);
+ new_parent = sysfs_get_dentry(sysfs_sb, new_parent_sd);
    if (IS_ERR(new_parent)) {
        error = PTR_ERR(new_parent);
        new_parent = NULL;
diff --git a/fs/sysfs/file.c b/fs/sysfs/file.c
index 15ff679..cb5dd3f 100644
--- a/fs/sysfs/file.c
+++ b/fs/sysfs/file.c
@@ -585,7 +585,7 @@ int sysfs_chmod_file(struct kobject *kobj, struct attribute *attr, mode_t
mode)
    goto out;

    mutex_lock(&sysfs_rename_mutex);
- victim = sysfs_get_dentry(victim_sd);
+ victim = sysfs_get_dentry(sysfs_sb, victim_sd);
    mutex_unlock(&sysfs_rename_mutex);
    if (IS_ERR(victim)) {
        rc = PTR_ERR(victim);
diff --git a/fs/sysfs/sysfs.h b/fs/sysfs/sysfs.h
index 0fdc3de..b1bdc6e 100644
--- a/fs/sysfs/sysfs.h
+++ b/fs/sysfs/sysfs.h
@@ -113,7 +113,8 @@ extern spinlock_t sysfs_assoc_lock;
extern const struct file_operations sysfs_dir_operations;
extern const struct inode_operations sysfs_dir_inode_operations;

-struct dentry *sysfs_get_dentry(struct sysfs_dirent *sd);
+struct dentry *sysfs_get_dentry(struct super_block *sb,
+ struct sysfs_dirent *sd);
struct sysfs_dirent *sysfs_get_active_two(struct sysfs_dirent *sd);
void sysfs_put_active_two(struct sysfs_dirent *sd);

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void sysfs_addrm_start(struct sysfs_addrm_cxt *acxt,
```

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1.5.3.rc6.17.g1911

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