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Subject: [PATCH 03/10] sysfs: sysfs\_get\_dentry add a sb parameter  
Posted by [ebiederm](#) on Sat, 01 Dec 2007 09:16:47 GMT

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In preparation for multiple mounts of sysfs add a superblock parameter to sysfs\_get\_dentry.

Signed-off-by: Eric W. Biederman <[ebiederm@xmission.com](mailto:ebiederm@xmission.com)>

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```
fs/sysfs/dir.c | 11 ++++++-----
fs/sysfs/file.c |  2 ++
fs/sysfs/sysfs.h |  2 ++
3 files changed, 8 insertions(+), 7 deletions(-)
```

```
diff --git a/fs/sysfs/dir.c b/fs/sysfs/dir.c
index 3371629..cff2b12 100644
--- a/fs/sysfs/dir.c
+++ b/fs/sysfs/dir.c
@@ -84,6 +84,7 @@ 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
@@ -96,9 +97,9 @@ 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_fsid != sd) {
     struct sysfs_dirent *cur;
@@ -778,7 +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);
         goto out;
@@ -845,14 +846,14 @@ 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);
    goto out;
}
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);
    goto out;
}
diff --git a/fs/sysfs/file.c b/fs/sysfs/file.c
index ad13151..8c7bba0 100644
--- a/fs/sysfs/file.c
+++ b/fs/sysfs/file.c
@@ -569,7 +569,7 @@ 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 3308759..d4269ba 100644
--- a/fs/sysfs/sysfs.h
+++ b/fs/sysfs/sysfs.h
@@ -112,7 +112,7 @@ extern spinlock_t sysfs_assoc_lock;
extern const struct file_operations sysfs_dir_operations;
extern const struct inode_operations sysfs_dir_inode_operations;

-struct dirent *sysfs_get_dentry(struct sysfs_dirent *sd);
+struct dirent *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);
void sysfs_addrm_start(struct sysfs_addrm_ctxt *acxt,
-- 
1.5.3.rc6.17.g1911

```

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Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

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