
Subject: [PATCH 19/25] sysfs: sysfs_get_dentry add a sb parameter

Posted by [ebiederm](#) on Tue, 07 Aug 2007 21:29:23 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>

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

fs/sysfs/file.c | 4 +--

fs/sysfs/sysfs.h | 2 +-
3 files changed, 10 insertions(+), 8 deletions(-)

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

index 94d705a..ac45523 100644

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

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

@@ -805,6 +805,7 @@ out:

/**

* 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

@@ -817,8 +818,9 @@ out:

*

* RETURNS:

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

+ * NULL if the sysfs dentry does not appear in the specified superblock

*/

-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 *cur;

struct dentry *parent_dentry, *dentry;

@@ -827,7 +829,7 @@ struct dentry *sysfs_get_dentry(struct sysfs_dirent *sd)

*/

dentry = NULL;

cur = sd;

- while (!(dentry = __sysfs_get_dentry(sysfs_sb, cur))) {

+ while (!(dentry = __sysfs_get_dentry(sb, cur))) {

if (cur->s_flags & SYSFS_FLAG_REMOVED) {

dentry = ERR_PTR(-ENOENT);

break;

@@ -868,7 +870,7 @@ 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;
@@ -937,14 +939,14 @@ 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 fe783ea..f954b9f 100644
--- a/fs/sysfs/file.c
+++ b/fs/sysfs/file.c
@@ -471,7 +471,7 @@ int sysfs_update_file(struct kobject * kobj, const struct attribute * attr)
  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);
@@ -512,7 +512,7 @@ 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 8156ccb..6de7e2b 100644
--- a/fs/sysfs/sysfs.h
+++ b/fs/sysfs/sysfs.h
@@ -63,7 +63,7 @@ extern struct file_system_type sysfs_fs_type;
 void sysfs_grab_supers(void);
 void sysfs_release_supers(void);

-extern struct dentry *sysfs_get_dentry(struct sysfs_dirent *sd);
+extern struct dentry *sysfs_get_dentry(struct super_block *sb, struct sysfs_dirent *sd);
 extern struct sysfs_dirent *sysfs_get_active(struct sysfs_dirent *sd);
 extern void sysfs_put_active(struct sysfs_dirent *sd);
 extern struct sysfs_dirent *sysfs_get_active_two(struct sysfs_dirent *sd);
--
1.5.1.1.181.g2de0
```

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