
Subject: [PATCH 22/25] sysfs: sysfs_update_file handle multiple superblocks

Posted by [ebiederm](#) on Tue, 07 Aug 2007 21:34:11 GMT

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Teach sysfs_update_file how to handle multiple sysfs superblocks. Again we are just iterating over the superblocks to so all of the filesystem modification notifications work as expected.

Signed-off-by: Eric W. Biederman <ebiederm@xmission.com>

fs/sysfs/file.c | 35 ++++++-----
1 files changed, 21 insertions(+), 14 deletions(-)

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

index cff054f..1e6f9df 100644

--- a/fs/sysfs/file.c

+++ b/fs/sysfs/file.c

@@ -462,7 +462,8 @@ EXPORT_SYMBOL_GPL(sysfs_add_file_to_group);

int sysfs_update_file(struct kobject * kobj, const struct attribute * attr)

{
 struct sysfs_dirent *victim_sd = NULL;
- struct dentry *victim = NULL;
+ struct super_block *sb;
+ struct dentry *victim;
 int rc;

 rc = -ENOENT;

@@ -471,21 +472,27 @@ int sysfs_update_file(struct kobject * kobj, const struct attribute * attr)
 goto out;

 mutex_lock(&sysfs_rename_mutex);
- victim = sysfs_get_dentry(sysfs_sb, victim_sd);
- mutex_unlock(&sysfs_rename_mutex);
- if (IS_ERR(victim)) {
- rc = PTR_ERR(victim);
- victim = NULL;
- goto out;
+ sysfs_grab_supers();
+ list_for_each_entry(sb, &sysfs_fs_type.fs_supers, s_instances) {
+ victim = sysfs_get_dentry(sb, victim_sd);
+ if (!victim)
+ continue;
+ if (IS_ERR(victim)) {
+ rc = PTR_ERR(victim);
+ victim = NULL;
+ goto out_unlock;
+ }

```

+ mutex_lock(&victim->d_inode->i_mutex);
+ victim->d_inode->i_mtime = CURRENT_TIME;
+ fsnotify_modify(victim);
+ mutex_unlock(&victim->d_inode->i_mutex);
+ rc = 0;
+ dput(victim);
}
-
- mutex_lock(&victim->d_inode->i_mutex);
- victim->d_inode->i_mtime = CURRENT_TIME;
- fsnotify_modify(victim);
- mutex_unlock(&victim->d_inode->i_mutex);
- rc = 0;
+ out_unlock:
+ sysfs_release_supers();
+ mutex_unlock(&sysfs_rename_mutex);
  out:
- dput(victim);
  sysfs_put(victim_sd);
  return rc;
}
--
1.5.1.1.181.g2de0

```

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