Subject: [PATCH 22/25] sysfs: sysfs_uptdate_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
```

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