
Subject: [PATCH 22/25] sysfs: sysfs_update_file handle multiple superblocks
Posted by [ebiederm](#) on Tue, 07 Aug 2007 21:34:11 GMT

[View Forum Message](#) <> [Reply to Message](#)

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>
