
Subject: [PATCH 11/14] sysfs: Remove s_dentry form sysfs_dirent.

Posted by [ebiederm](#) on Tue, 31 Jul 2007 10:39:05 GMT

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After the last round of refactoring nothing is really using using s_dirent so remove it. Which makes the code easier to work with and follow. And with a little luck makes it easier to support multiple dentry trees for sysfs.

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

```
fs/sysfs/dir.c | 26 +-----
fs/sysfs/mount.c | 1 -
fs/sysfs/sysfs.h | 1 -
3 files changed, 1 insertions(+), 27 deletions(-)
```

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

```
index f8de6fb..c17e601 100644
```

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

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

```
@@ -310,22 +310,7 @@ static void sysfs_d_iput(struct dentry * dentry, struct inode * inode)
{
    struct sysfs_dirent * sd = dentry->d_fsdata;
```

```
- if (sd) {
- /* sd->s_dentry is protected with sysfs_assoc_lock.
- * This allows sysfs_drop_dentry() to dereference it.
- */
- spin_lock(&sysfs_assoc_lock);
-
- /* The dentry might have been deleted or another
- * lookup could have happened updating sd->s_dentry to
- * point the new dentry. Ignore if it isn't pointing
- * to this dentry.
- */
- if (sd->s_dentry == dentry)
- sd->s_dentry = NULL;
- spin_unlock(&sysfs_assoc_lock);
- sysfs_put(sd);
- }
+ sysfs_put(sd);
    iput(inode);
}
```

```
@@ -373,9 +358,6 @@ struct sysfs_dirent *sysfs_new_dirent(const char *name, umode_t mode,
int type)
```

```
 * @sd: target sysfs_dirent
```

```
 * @dentry: dentry to associate
```

```

*
- * Associate @sd with @dentry. This is protected by
- * sysfs_assoc_lock to avoid race with sysfs_d_iput().
- *
* LOCKING:
* mutex_lock(sysfs_mutex)
*/
@@ -383,12 +365,6 @@ static void sysfs_attach_dentry(struct sysfs_dirent *sd, struct dentry
*dentry)
{
    dentry->d_op = &sysfs_dentry_ops;
    dentry->d_fsdata = sysfs_get(sd);
-
- /* protect sd->s_dentry against sysfs_d_iput */
- spin_lock(&sysfs_assoc_lock);
- sd->s_dentry = dentry;
- spin_unlock(&sysfs_assoc_lock);
-
    d_rehash(dentry);
}

diff --git a/fs/sysfs/mount.c b/fs/sysfs/mount.c
index 919eaaf..3f652be 100644
--- a/fs/sysfs/mount.c
+++ b/fs/sysfs/mount.c
@@ -57,7 +57,6 @@ static int sysfs_fill_super(struct super_block *sb, void *data, int silent)
    iput(inode);
    return -ENOMEM;
}
- sysfs_root.s_dentry = root;
root->d_fsdata = &sysfs_root;
sb->s_root = root;
return 0;

diff --git a/fs/sysfs/sysfs.h b/fs/sysfs/sysfs.h
index 3b4b989..60af864 100644
--- a/fs/sysfs/sysfs.h
+++ b/fs/sysfs/sysfs.h
@@ -37,7 +37,6 @@ struct sysfs_dirent {
    unsigned int s_flags;
    umode_t s_mode;
    ino_t s_ino;
- struct dentry * s_dentry;
    struct iattr * s_iattr;
    atomic_t s_event;
};
--
1.5.1.1.181.g2de0

```

Containers mailing list
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