
Subject: [PATCH 08/25] sysfs: Implement __sysfs_get_dentry

Posted by [ebiederm](#) on Tue, 07 Aug 2007 21:16:19 GMT

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This function is similar but much simpler to sysfs_get_dentry
returns a sysfs dentry if one currently exists.

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

fs/sysfs/dir.c | 38 +++++
1 files changed, 38 insertions(+), 0 deletions(-)

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

index 6ca4382..2caa5e0 100644

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

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

@@ -848,6 +848,44 @@ void sysfs_remove_dir(struct kobject * kobj)

__sysfs_remove_dir(sd);

}

+/**

+ * __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. Only return a dentry if one currently

+ * exists.

+ *

+ * LOCKING:

+ * Kernel thread context (may sleep)

+ *

+ * RETURNS:

+ * Pointer to found dentry on success, NULL on failure.

+ */

+static struct dentry * __sysfs_get_dentry(struct super_block *sb, struct sysfs_dirent *sd)

+{

+ struct inode *inode;

+ struct dentry *dentry = NULL;

+

+ inode = ilookup5_nowait(sysfs_sb, sd->s_ino, sysfs_ilookup_test, sd);

+ if (inode && !(inode->i_state & I_NEW)) {

+ struct dentry *alias;

+ spin_lock(&dcache_lock);

+ list_for_each_entry(alias, &inode->i_dentry, d_alias) {

+ if (IIS_ROOT(alias) && d_unhashed(alias))

+ continue;

+ if (alias->d_sb != sb)

+ continue;

```
+ dentry = alias;
+ dget_locked(dentry);
+ break;
+ }
+ spin_unlock(&dcache_lock);
+ }
+ iput(inode);
+ return dentry;
+}
+
int sysfs_rename_dir(struct kobject * kobj, const char *new_name)
{
    struct sysfs_dirent *sd;
--
1.5.1.1.181.g2de0
```

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