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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](mailto:ebiederm@xmission.com)>

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

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