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Subject: [PATCH 03/11] sysfs: Implement \_\_sysfs\_get\_dentry  
Posted by [Benjamin Thery](#) on Wed, 18 Jun 2008 17:07:59 GMT  
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sysfs: Implement \_\_sysfs\_get\_dentry

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

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Signed-off-by: Benjamin Thery <benjamin.thery@bull.net>

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fs/sysfs/dir.c | 39 +++++++++++++++++++++++++++++++++++++  
1 file changed, 39 insertions(+)

Index: linux-mm/fs/sysfs/dir.c

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--- linux-mm.orig/fs/sysfs/dir.c

+++ linux-mm/fs/sysfs/dir.c

@@ -764,6 +764,45 @@ void sysfs\_remove\_dir(struct kobject \* k  
\_\_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 (!IS_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 = kobj->sd;

--

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

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