
Subject: [PATCH 15/25] vfs: Remove lookup_one_len_kern

Posted by [ebiederm](#) on Tue, 07 Aug 2007 21:25:05 GMT

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Now that sysfs no longer uses lookup_one_len_kern the function has no users so remove it from the kernel. Making namei.c just a little easier to read.

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

```
fs/namei.c      | 46 ++++++-----
include/linux/namei.h | 1 -
2 files changed, 11 insertions(+), 36 deletions(-)
```

```
diff --git a/fs/namei.c b/fs/namei.c
```

```
index a83160a..69d3304 100644
```

```
--- a/fs/namei.c
```

```
+++ b/fs/namei.c
```

```
@@ -1273,7 +1273,12 @@ int __user_path_lookup_open(const char __user *name, unsigned int
lookup_flags,
    return err;
}
```

```
-static inline struct dentry *__lookup_hash_kern(struct qstr *name, struct dentry *base, struct
nameidata *nd)
```

```
+/*
```

```
+ * Restricted form of lookup. Doesn't follow links, single-component only,
```

```
+ * needs parent already locked. Doesn't follow mounts.
```

```
+ * SMP-safe.
```

```
+ */
```

```
+static inline struct dentry *__lookup_hash(struct qstr *name, struct dentry *base, struct
nameidata *nd)
```

```
{
    struct dentry *dentry;
    struct inode *inode;
```

```
@@ -1281,6 +1286,11 @@ static inline struct dentry *__lookup_hash_kern(struct qstr *name,
struct dentry
```

```
    inode = base->d_inode;
```

```
+ err = permission(inode, MAY_EXEC, nd);
```

```
+ dentry = ERR_PTR(err);
```

```
+ if (err)
```

```
+     goto out;
```

```
+ 
```

```
/*
```

```
 * See if the low-level filesystem might want
```

```
 * to use its own hash..
```

@@ -1308,29 +1318,6 @@ out:

```
    return dentry;
}
```

```

-/*
- * Restricted form of lookup. Doesn't follow links, single-component only,
- * needs parent already locked. Doesn't follow mounts.
- * SMP-safe.
- */
-static inline struct dentry * __lookup_hash(struct qstr *name, struct dentry *base, struct
nameidata *nd)
-{
- struct dentry *dentry;
- struct inode *inode;
- int err;
-
- inode = base->d_inode;
-
- err = permission(inode, MAY_EXEC, nd);
- dentry = ERR_PTR(err);
- if (err)
- goto out;
-
- dentry = __lookup_hash_kern(name, base, nd);
-out:
- return dentry;
-}
-
static struct dentry *lookup_hash(struct nameidata *nd)
{
    return __lookup_hash(&nd->last, nd->dentry, nd);
}
@@ -1369,17 +1356,6 @@ struct dentry *lookup_one_len(const char *name, struct dentry *base,
int len)
{
    return __lookup_hash(&this, base, NULL);
}

-struct dentry *lookup_one_len_kern(const char *name, struct dentry *base, int len)
-{
- int err;
- struct qstr this;
-
- err = __lookup_one_len(name, &this, base, len);
- if (err)
- return ERR_PTR(err);
- return __lookup_hash_kern(&this, base, NULL);
-}
-
int fastcall __user_walk_fd(int dfd, const char __user *name, unsigned flags,
```

```
    struct nameidata *nd)
{
diff --git a/include/linux/namei.h b/include/linux/namei.h
index 6c38efb..36e5690 100644
--- a/include/linux/namei.h
+++ b/include/linux/namei.h
@@ -82,7 +82,6 @@ extern struct file *nameidata_to_filp(struct nameidata *nd, int flags);
extern void release_open_intent(struct nameidata *);

extern struct dentry * lookup_one_len(const char *, struct dentry *, int);
-extern struct dentry *lookup_one_len_kern(const char *, struct dentry *, int);

extern int follow_down(struct vfsmount **, struct dentry **);
extern int follow_up(struct vfsmount **, struct dentry **);
--
1.5.1.1.181.g2de0
```

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