
Subject: [PATCH 1/3] uidns: improve name of tsk_mnt_same_uid

Posted by [serue](#) on Wed, 06 Dec 2006 23:18:51 GMT

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From: Serge E. Hallyn <serue@us.ibm.com>

Subject: [PATCH 1/3] uidns: improve name of tsk_mnt_same_uid

The helper compares uidns, not uid, so change the name to tsk_mnt_same_uidns.

Also comment the behavior above the helper.

Signed-off-by: Serge E. Hallyn <serue@us.ibm.com>

```
fs/namei.c      | 4 ++--
include/linux/sched.h | 9 ++++++++
2 files changed, 10 insertions(+), 3 deletions(-)
```

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

```
index ab59efe..6c207f1 100644
```

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

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

```
@@ -246,7 +246,7 @@ int permission(struct inode *inode, int
    return -EACCES;
}
```

```
- if (nd && !task_mnt_same_uid(current, nd->mnt))
+ if (nd && !task_mnt_same_uidns(current, nd->mnt))
    return -EACCES;
```

```
/*
```

```
@@ -435,7 +435,7 @@ static int exec_permission_lite(struct i
{
    umode_t mode = inode->i_mode;
```

```
- if (!task_mnt_same_uid(current, nd->mnt))
+ if (!task_mnt_same_uidns(current, nd->mnt))
    return -EACCES;
    if (inode->i_op && inode->i_op->permission)
        return -EAGAIN;
```

```
diff --git a/include/linux/sched.h b/include/linux/sched.h
```

```
index cd31763..a4b5c77 100644
```

```
--- a/include/linux/sched.h
```

```
+++ b/include/linux/sched.h
```

```
@@ -1591,7 +1591,14 @@ extern int cond_resched(void);
extern int cond_resched_lock(spinlock_t * lock);
extern int cond_resched_softirq(void);
```

```
-static inline int task_mnt_same_uid(struct task_struct *tsk,
+/*
+ * Check whether a task and a vfsmnt belong to the same uidns.
+ * Since the initial namespace is exempt from these checks,
+ * return 1 if so. Also return 1 if the vfsmnt is exempt from
+ * such checking. Otherwise, if the uid namespaces are different,
+ * return 0.
+ */
+static inline int task_mnt_same_uidns(struct task_struct *tsk,
    struct vfsmount *mnt)
{
    if (tsk->nsproxy == init_task.nsproxy)
--
1.4.1
```

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