
Subject: [patch -mm 03/17] namespace : export unshare of namespace and fs_struct

Posted by [Cedric Le Goater](#) on Tue, 05 Dec 2006 10:27:55 GMT

[View Forum Message](#) <> [Reply to Message](#)

From: Cedric Le Goater <clg@fr.ibm.com>

This is needed by the unshare_ns syscall.

Signed-off-by: Cedric Le Goater <clg@fr.ibm.com>

```
include/linux/mnt_namespace.h |  4 +++
kernel/fork.c               |  6 +++---
2 files changed, 7 insertions(+), 3 deletions(-)
```

Index: 2.6.19-rc6-mm2/include/linux/mnt_namespace.h

```
=====
--- 2.6.19-rc6-mm2.orig/include/linux/mnt_namespace.h
+++ 2.6.19-rc6-mm2/include/linux/mnt_namespace.h
@@ -14,6 +14,10 @@ struct mnt_namespace {
     int event;
};

+extern int unshare_fs(unsigned long unshare_flags, struct fs_struct **new_fsp);
+extern int unshare_mnt_ns(unsigned long unshare_flags,
+    struct mnt_namespace **new_nsp,
+    struct fs_struct *new_fs);
extern int copy_mnt_ns(int, struct task_struct *);
extern void __put_mnt_ns(struct mnt_namespace *ns);
extern struct mnt_namespace *dup_mnt_ns(struct task_struct *,
```

Index: 2.6.19-rc6-mm2/kernel/fork.c

```
=====
--- 2.6.19-rc6-mm2.orig/kernel/fork.c
+++ 2.6.19-rc6-mm2/kernel/fork.c
@@ -1498,7 +1498,7 @@ static int unshare_thread(unsigned long
/*
 * Unshare the filesystem structure if it is being shared
 */
-static int unshare_fs(unsigned long unshare_flags, struct fs_struct **new_fsp)
+extern int unshare_fs(unsigned long unshare_flags, struct fs_struct **new_fsp)
{
    struct fs_struct *fs = current->fs;

@@ -1515,7 +1515,7 @@ static int unshare_fs(unsigned long unsh
/*
 * Unshare the mnt_namespace structure if it is being shared
 */
-static int unshare_mnt_namespace(unsigned long unshare_flags,
```

```
+extern int unshare_mnt_ns(unsigned long unshare_flags,
    struct mnt_namespace **new_nsp, struct fs_struct *new_fs)
{
    struct mnt_namespace *ns = current->nsproxy->mnt_ns;
@@ -1634,7 +1634,7 @@ asmlinkage long sys_unshare(unsigned lon
    goto bad_unshare_out;
    if ((err = unshare_fs(unshare_flags, &new_fs)))
        goto bad_unshare_cleanup_thread;
- if ((err = unshare_mnt_namespace(unshare_flags, &new_ns, new_fs)))
+ if ((err = unshare_mnt_ns(unshare_flags, &new_ns, new_fs)))
    goto bad_unshare_cleanup_fs;
    if ((err = unshare_sighand(unshare_flags, &new_sigh)))
        goto bad_unshare_cleanup_ns;

--
```

Containers mailing list
Containers@lists.osdl.org
<https://lists.osdl.org/mailman/listinfo/containers>
