
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

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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

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--- 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

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--- 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;

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