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Subject: Re: [patch -mm 10/17] nsproxy: add unshare\_ns and bind\_ns syscalls  
Posted by [Daniel Lezcano](#) on Wed, 06 Dec 2006 21:01:32 GMT

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Dmitry Mishin wrote:

> On Tuesday 05 December 2006 13:28, clg@fr.ibm.com wrote:

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

> [skip]

>> +static int switch\_ns(int id, unsigned long flags)

>> +{

>> + int err = 0;

>> + struct nsproxy \*ns = NULL, \*old\_ns = NULL, \*new\_ns = NULL;

>> +

>> + if (flags & ~NS\_ALL)

>> + return -EINVAL;

>> +

>> + /\* Let 0 be a default value ? \*/

>> + if (!flags)

>> + flags = NS\_ALL;

>> +

>> + if (id < 0) {

>> + struct task\_struct \*p;

>> +

>> + err = -ESRCH;

>> + read\_lock(&tasklist\_lock);

>> + p = find\_task\_by\_pid(-id);

>> + if (p) {

>> + task\_lock(p);

>> + get\_nsproxy(p->nsproxy);

>> + ns = p->nsproxy;

>> + task\_unlock(p);

>> + }

>> + read\_unlock(&tasklist\_lock);

>> + } else {

>> + err = -ENOENT;

>> + spin\_lock\_irq(&ns\_hash\_lock);

>> + ns = ns\_hash\_find(id);

>> + spin\_unlock\_irq(&ns\_hash\_lock);

>> + }

>> +

>> + if (!ns)

>> + goto out;

>> +

>> + new\_ns = ns;

>> +

>> + /\*

>> + \* clone current nsproxy and populate it with the namespaces

>> + \* chosen by flags.

```
>> + */
>> + if (flags != NS_ALL) {
>> +   new_ns = dup_namespaces(current->nsproxy);
>> +   if (!new_ns) {
>> +     err = -ENOMEM;
>> +     goto out_ns;
>> +   }
>> +
>> +   if (flags & NS_MNT) {
>> +     put_mnt_ns(new_ns->mnt_ns);
>> +     get_mnt_ns(ns->mnt_ns);
>> +     new_ns->mnt_ns = ns->mnt_ns;
>> +   }
>> +
>> +   if (flags & NS_UTS) {
>> +     put_uts_ns(new_ns->uts_ns);
>> +     get_uts_ns(ns->uts_ns);
>> +     new_ns->uts_ns = ns->uts_ns;
>> +   }
>> +
>> +   if (flags & NS_IPC) {
>> +     put_ipc_ns(new_ns->ipc_ns);
>> +     new_ns->ipc_ns = get_ipc_ns(ns->ipc_ns);
>> +   }
> <<<< This code looks useless for me, as at this time new_ns->any_ptr ==
> ns->any_ptr.
```

Yep. Because of the kmemdup in clone\_namespace called by dup\_namespace.

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