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Subject: Re: PATCH -mm] fix create\_new\_namespaces() return value  
Posted by [Cedric Le Goater](#) on Tue, 12 Jun 2007 07:49:10 GMT  
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Badari Pulavarty wrote:

>  
>  
> Cedric Le Goater wrote:  
>  
>> The following patch modifies create\_new\_namespaces() to also use the  
>> errors returned by the copy\_\*\_ns routines and not to systematically  
>> return ENOMEM.  
>>  
>  
> In my initial version, I did same. It doesn't work :(  
>  
> copy\_\*\_ns() routines doesn't return any errors. All they return is NULL  
> in case of a  
> failure + with the exception of copy\_mnt\_ns, there are no other failure  
> cases.

mnt ant uts namespaces return NULL right but this is not true for ipc namespace  
which returns -ENOMEM. user namespace returns -EINVAL if CONFIG\_USER\_NS is not  
selected. I expect pid namespace to do same and net namespace to do even more.

> So, there is no way to find out why the copy\_\*\_ns() routines failed from  
> create\_new\_namespaces().  
> If you really really want to do this, change all copy\_\*\_ns() routines to  
> returns meaningful errors instead of NULL.

I will certainly do and change mnt ant uts namespaces to return -ENOMEM but  
we will still require the patch below.

>> Signed-off-by: Cedric Le Goater <clg@fr.ibm.com>  
>> Cc: Serge E. Hallyn <serue@us.ibm.com>  
>> Cc: Badari Pulavarty <pbadari@us.ibm.com>  
>> Cc: Pavel Emelianov <xemul@openvz.org>  
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>> ---

>> kernel/nsproxy.c | 23 ++++++-----  
>> 1 file changed, 17 insertions(+), 6 deletions(-)  
>>

>> Index: 2.6.22-rc4-mm2/kernel/nsproxy.c

>> =====  
>> --- 2.6.22-rc4-mm2.orig/kernel/nsproxy.c  
>> +++ 2.6.22-rc4-mm2/kernel/nsproxy.c  
>> @@ -58,30 +58,41 @@ static struct nsproxy \*create\_new\_namesp

```

>>     struct fs_struct *new_fs)
>> {
>>     struct nsproxy *new_nsp;
>> +   int err;
>>
>>     new_nsp = clone_nsproxy(tsk->nsproxy);
>>     if (!new_nsp)
>>         return ERR_PTR(-ENOMEM);
>>
>>     new_nsp->mnt_ns = copy_mnt_ns(flags, tsk->nsproxy->mnt_ns, new_fs);
>> -   if (IS_ERR(new_nsp->mnt_ns))
>> +   if (IS_ERR(new_nsp->mnt_ns)) {
>> +       err = PTR_ERR(new_nsp->mnt_ns);
>>         goto out_ns;
>> +   }
>>
>>     new_nsp->uts_ns = copy_utsname(flags, tsk->nsproxy->uts_ns);
>> -   if (IS_ERR(new_nsp->uts_ns))
>> +   if (IS_ERR(new_nsp->uts_ns)) {
>> +       err = PTR_ERR(new_nsp->uts_ns);
>>         goto out_uts;
>> +   }
>>
>>     new_nsp->ipc_ns = copy_ipcs(flags, tsk->nsproxy->ipc_ns);
>> -   if (IS_ERR(new_nsp->ipc_ns))
>> +   if (IS_ERR(new_nsp->ipc_ns)) {
>> +       err = PTR_ERR(new_nsp->ipc_ns);
>>         goto out_ipc;
>> +   }
>>
>>     new_nsp->pid_ns = copy_pid_ns(flags, tsk->nsproxy->pid_ns);
>> -   if (IS_ERR(new_nsp->pid_ns))
>> +   if (IS_ERR(new_nsp->pid_ns)) {
>> +       err = PTR_ERR(new_nsp->pid_ns);
>>         goto out_pid;
>> +   }
>>
>>     new_nsp->user_ns = copy_user_ns(flags, tsk->nsproxy->user_ns);
>> -   if (IS_ERR(new_nsp->user_ns))
>> +   if (IS_ERR(new_nsp->user_ns)) {
>> +       err = PTR_ERR(new_nsp->user_ns);
>>
>>
> Hmm.. copy_user_ns() ? I don't see this in rc4-mm2.

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it's in the -mm stack.

C.

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

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