Subject: Re: PATCH -mm] fix create_new_namespaces() return value
Posted by Badari Pulavarty on Mon, 11 Jun 2007 16:22:52 GMT
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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.
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.

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

Thanks,
Badari

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