Subject: PATCH -mm] fix create_new_namespaces() return value
Posted by Cedric Le Goater on Mon, 11 Jun 2007 14:12:00 GMT
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The following patch modifies create_new_namespaces() to also use the
errors returned by the copy_*_ns routines and not to systematically
return ENOMEM.

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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))

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+ 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);
   goto out_user;
+ }

  return new_nsp;

@@ -99,7 +110,7 @@ out_uts:
   put_mnt_ns(new_nsp->mnt_ns);
 out_ns:
  kfree(new_nsp);
- return ERR_PTR(-ENOMEM);
+ return ERR_PTR(err);
 }

 /*
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