Subject: [PATCH] Correct accept(2) recovery after sock_attach_fd()
Posted by Alexey Dobriyan on Mon, 26 Mar 2007 15:26:44 GMT
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* d_alloc() in sock_attach_fd() fails leaving ->f_dentry of new file NULL
* bail out to out_fd label, doing fput()/__fput() on new file
* but __fput() assumes valid ->f_dentry and dereferences it

Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>
---

net/socket.c | 7 ++++++-
1 file changed, 6 insertions(+), 1 deletion(-)

```
--- a/net/socket.c
+++ b/net/socket.c
@@ -1381,7 +1381,7 @@ asmlinkage long sys_accept(int fd, struc

  err = sock_attach_fd(newsock, newfile);
  if (err < 0)
-  goto out_fd;
+  goto out_fd_simple;

  err = security_socket_accept(sock, newsock);
  if (err)
@@ -1414,6 +1414,11 @@ out_put:
  fput_light(sock->file, fput_needed);
 out:
  return err;
+out_fd_simple:
+ sock_release(newsock);
+ put_filp(newfile);
+ put_unused_fd(newfd);
+ goto out_put;
 out_fd:
  fput(newfile);
  put_unused_fd(newfd);
```

Subject: Re: [PATCH] Correct accept(2) recovery after sock_attach_fd()
Posted by davem on Mon, 26 Mar 2007 21:20:20 GMT
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From: Alexey Dobriyan <adobriyan@sw.ru>
Date: Mon, 26 Mar 2007 19:34:31 +0400

> * d_alloc() in sock_attach_fd() fails leaving ->f_dentry of new file NULL
> * bail out to out_fd label, doing fput()/__fput() on new file

> * but __fput() assumes valid ->f_dentry and dereferences it
>
> Signed-off-by: Alexey Dobriyan <adobriyan@sw.ru>

Thanks for this bug fix Alexey, patch applied.