



# index : kernel/git/stable/linux.git

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Stable Group

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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2022-11-25 17:45:55 +0100  
commit 75205f1b47a88c3fac4f30bd7567e89b2887c7fd (patch)  
tree 43e6e5aa5daf8ec2167b95b815bef39e03241476  
parent 6e9334436d78d1cf12919807e4124032f02650d6 (diff)  
download linux-75205f1b47a88c3fac4f30bd7567e89b2887c7fd.tar.gz

## diff options

context: 3  
space: include  
mode: unified

## scsi: target: tcm\_loop: Fix possible name leak in tcm\_loop\_setup\_hba\_bus()

[ Upstream commit bc68e428d4963af0201e92159629ab96948f0893 ]

If device\_register() fails in tcm\_loop\_setup\_hba\_bus(), the name allocated by dev\_set\_name() need be freed. As comment of device\_register() says, it should use put\_device() to give up the reference in the error path. So fix this by calling put\_device(), then the name can be freed in kobject\_cleanup(). The 'tl\_hba' will be freed in tcm\_loop\_release\_adapter(), so it don't need goto error label in this case.

Fixes: 3703b2c5d041 ("[SCSI] tcm\_loop: Add multi-fabric Linux/SCSI LLD fabric module")

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Link: <https://lore.kernel.org/r/20221115015042.3652261-1-yangyingliang@huawei.com>

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## Diffstat

-RW-r--r-- drivers/target/loopback/tcm\_loop.c 3

1 files changed, 2 insertions, 1 deletions

diff --git a/drivers/target/loopback/tcm\_loop.c b/drivers/target/loopback/tcm\_loop.c

index 16d5a4e117a273..5ae5d94c5b931c 100644

--- a/drivers/target/loopback/tcm\_loop.c

+++ b/drivers/target/loopback/tcm\_loop.c

```
@@ -394,6 +394,7 @@ static int tcm_loop_setup_hba_bus(struct tcm_loop_hba *tl_hba, int tcm_loop_host
    ret = device_register(&tl_hba->dev);
    if (ret) {
        pr_err("device_register() failed for tl_hba->dev: %d\n", ret);
+       put_device(&tl_hba->dev);
        return -ENODEV;
    }

@@ -1072,7 +1073,7 @@ check_len:
    */
    ret = tcm_loop_setup_hba_bus(tl_hba, tcm_loop_hba_no_cnt);
    if (ret)
-       goto out;
+       return ERR_PTR(ret);

    sh = tl_hba->sh;
    tcm_loop_hba_no_cnt++;
```

