



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 17:42:20 +0100
commit [28f7ff5e7559d226e63c7c5de74eb075a83d8c53](#) (patch)
tree [839297b16d704fd3d0fc61587280513dbc418e34](#)
parent [ec59a1325230a9179f4595f410b0d6a56ab53380](#) (diff)
download [linux-28f7ff5e7559d226e63c7c5de74eb075a83d8c53.tar.gz](#)

diff options

context:
space:
mode:

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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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++;
```

