



index : kernel/git/stable/linux.git

master

Linux kernel stable tree

Stable Group

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log msg

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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-05-02 07:44:10 +0200
commit [118d05b530343cd9322607b9719405ba254a4183](#) (patch)
tree [acd064a95cb4269672b7f8e3fad0d8ed8e51422c](#)
parent [a27526e6b48eee9e2d82efff502c4f272f1a91d4](#) (diff)
download [linux-118d05b530343cd9322607b9719405ba254a4183.tar.gz](#)

diff options

context:
space:
mode:

cxgb4: fix memory leak in cxgb4_init_ethtool_filters() error path

[Upstream commit 00ffb3724ce743578163f5ade2884374554ca021]

In the for loop used to allocate the loc_array and bmap for each port, a memory leak is possible when the allocation for loc_array succeeds, but the allocation for bmap fails. This is because when the control flow goes to the label free_eth_finfo, only the allocations starting from (i-1)th iteration are freed.

Fix that by freeing the loc_array in the bmap allocation error path.

Fixes: d915c299f1da ("cxgb4: add skeleton for ethtool n-tuple filters")
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Diffstat

-rw-r--r-- drivers/net/ethernet/chelsio/cxgb4/cxgb4_ethtool.c 1

1 files changed, 1 insertions, 0 deletions

```
diff --git a/drivers/net/ethernet/chelsio/cxgb4/cxgb4_ethtool.c b/drivers/net/ethernet/chelsio/cxgb4/cxgb4_ethtool.c
index 129352bbe1143b..f1e09a8dfc5c7b 100644
--- a/drivers/net/ethernet/chelsio/cxgb4/cxgb4_ethtool.c
+++ b/drivers/net/ethernet/chelsio/cxgb4/cxgb4_ethtool.c
@@ -2262,6 +2262,7 @@ int cxgb4_init_ethtool_filters(struct adapter *adap)
                                GFP_KERNEL);
        if (!eth_filter->port[i].bmap) {
                ret = -ENOMEM;
+               kvfree(eth_filter->port[i].loc_array);
                goto free_eth_finfo;
        }
}
```