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 committer Jakub Kicinski <kuba@kernel.org> 2025-04-16 17:52:18 -0700  
 commit 00ffb3724ce743578163f5ade2884374554ca021 (patch)  
 tree 78836271d97a4bfe8288dea15a3dcd2cae2fd764  
 parent adf6b730fc8dc61373a6ebe527494f4f1ad6eec7 (diff)  
 download linux-00ffb3724ce743578163f5ade2884374554ca021.tar.gz

### diff options

context:    
 space:    
 mode:

## cxgb4: fix memory leak in cxgb4\_init\_ethtool\_filters() error path

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 7f3f5afa864f4a..1546c3db08f093 100644

--- a/drivers/net/ethernet/chelsio/cxgb4/cxgb4\_ethtool.c

+++ b/drivers/net/ethernet/chelsio/cxgb4/cxgb4\_ethtool.c

```
@@ -2270,6 +2270,7 @@ int cxgb4_init_ethtool_filters(struct adapter *adap)
     eth_filter->port[i].bmap = bitmap_zalloc(nentries, GFP_KERNEL);
     if (!eth_filter->port[i].bmap) {
         ret = -ENOMEM;
+        kvfree(eth_filter->port[i].loc_array);
         goto free_eth_finfo;
     }
 }
```