



author Mika Westerberg <mika.westerberg@linux.intel.com> 2023-03-03 11:25:08 +0200
committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2023-03-30 12:49:14 +0200
commit [f390095bbd131ec2dfb29792d9f6fd0f0656bfc0](#) (patch)
tree [fcb2dbcddeb476889cb44db322336c8b67f6408](#)
parent [f2326d046ae7dd79b3292589da5b8ec1af1ea8c4](#) (diff)
download [linux-f390095bbd131ec2dfb29792d9f6fd0f0656bfc0.tar.gz](#)

diff options

context: ▼
space: ▼
mode: ▼

thunderbolt: Fix memory leak in margining

commit [acec726473822bc6b585961f4ca2a11fa7f28341](#) upstream.

Memory for the usb4->margining needs to be relased for the upstream port of the router as well, even though the debugfs directory gets released with the router device removal. Fix this.

Fixes: [d0f1e0c2a699](#) ("thunderbolt: Add support for receiver lane margining")

Cc: [stable@vger.kernel.org](#)

Signed-off-by: Mika Westerberg <mika.westerberg@linux.intel.com>

Signed-off-by: Greg Kroah-Hartman <gregkh@linuxfoundation.org>

Diffstat

```
-rw-r--r-- drivers/thunderbolt/debugfs.c 12
```

1 files changed, 6 insertions, 6 deletions

diff --git a/drivers/thunderbolt/debugfs.c b/drivers/thunderbolt/debugfs.c

index 834bcad42e9fe8..d89f92032c1c23 100644

--- a/drivers/thunderbolt/debugfs.c

+++ b/drivers/thunderbolt/debugfs.c

@@ -942,7 +942,8 @@ static void margining_port_remove(struct tb_port *port)

snprintf(dir_name, sizeof(dir_name), "port%d", port->port);

parent = debugfs_lookup(dir_name, port->sw->debugfs_dir);

- debugfs_remove_recursive(debugfs_lookup("margining", parent));

+ if (parent)

+ debugfs_remove_recursive(debugfs_lookup("margining", parent));

kfree(port->usb4->margining);

port->usb4->margining = NULL;

@@ -967,19 +968,18 @@ static void margining_switch_init(struct tb_switch *sw)

static void margining_switch_remove(struct tb_switch *sw)

{

+ struct tb_port *upstream, *downstream;

struct tb_switch *parent_sw;

- struct tb_port *downstream;

u64 route = tb_route(sw);

if (!route)

return;

```
-      /*
-      * Upstream is removed with the router itself but we need to
-      * remove the downstream port margining directory.
-      */
+      upstream = tb_upstream_port(sw);
+      parent_sw = tb_switch_parent(sw);
+      downstream = tb_port_at(route, parent_sw);
+
+      margining_port_remove(upstream);
+      margining_port_remove(downstream);
+  }
```