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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2023-04-05 11:14:15 +0200
commit 7bd0037822fd04da13721f77a42ee5a077d4c5fb (patch)
tree e6a836908cda3e709f77fa925a8ee081ff1fc973
parent 733580e268a53db1cd01f2251419da91866378f6 (diff)
download linux-7bd0037822fd04da13721f77a42ee5a077d4c5fb.tar.gz

diff options

context: 3
space: include
mode: unified

qed/qed_sriov: guard against NULL derefs from qed_iov_get_vf_info

[Upstream commit 25143b6a01d0cc5319edd3de22ffa2578b045550]

We have to make sure that the info returned by the helper is valid before using it.

Found by Linux Verification Center (linuxtesting.org) with the SVACE static analysis tool.

Fixes: f990c82c385b ("qed*: Add support for ndo_set_vf_trust")

Fixes: 733def6a04bf ("qed*: IOV link control")

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Diffstat

-rw-r--r-- drivers/net/ethernet/qlogic/qed/qed_sriov.c 5

1 files changed, 4 insertions, 1 deletions

diff --git a/drivers/net/ethernet/qlogic/qed/qed_sriov.c b/drivers/net/ethernet/qlogic/qed/qed_sriov.c
index 3dbea6be4e5530..ef6c3da38fc684 100644

--- a/drivers/net/ethernet/qlogic/qed/qed_sriov.c

+++ b/drivers/net/ethernet/qlogic/qed/qed_sriov.c

@@ -4285,6 +4285,9 @@ qed_iov_configure_min_tx_rate(struct qed_dev *cdev, int vfid, u32 rate)
{

vf = qed_iov_get_vf_info(QED_LEADING_HWFN(cdev), (u16)vfid, true);

+ if (!vf)

+ return -EINVAL;

+

vport_id = vf->vport_id;

return qed_configure_vport_wfq(cdev, vport_id, rate);

@@ -4922,7 +4925,7 @@ static void qed_iov_handle_trust_change(struct qed_hwfn *hwfn)

/* Validate that the VF has a configured vport */

vf = qed_iov_get_vf_info(hwfn, i, true);

- if (!vf->vport_instance)

+ if (!vf || !vf->vport_instance)

continue;

memset(¶ms, 0, sizeof(params));

