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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-05-02 07:41:04 +0200
commit [e516e187bf32d8decc7c7d0025ae4857cad13c0e](#) (patch)
tree [b7f6bc68dcbcd9d72679ba797dac0bcca7544d73](#)
parent [c5724962821b591ec59c5dfcc6a9054c46e63fd5](#) (diff)
download [linux-e516e187bf32d8decc7c7d0025ae4857cad13c0e.tar.gz](#)

diff options

context:
space:
mode:

misc: pci_endpoint_test: Avoid issue of interrupts remaining after request_irq error

commit f6cb7828c8e17520d4f5afb416515d3fae1af9a9 upstream.

After devm_request_irq() fails with error in pci_endpoint_test_request_irq(), the pci_endpoint_test_free_irq_vectors() is called assuming that all IRQs have been released.

However, some requested IRQs remain unreleased, so there are still /proc/irq/* entries remaining, and this results in WARN() with the following message:

```
remove_proc_entry: removing non-empty directory 'irq/30', leaking at least 'pci-endpoint-test.0'
WARNING: CPU: 0 PID: 202 at fs/proc/generic.c:719 remove_proc_entry +0x190/0x19c
```

To solve this issue, set the number of remaining IRQs to test->num_irqs, and release IRQs in advance by calling pci_endpoint_test_release_irq().

Cc: stable@vger.kernel.org
Fixes: e03327122e2c ("pci_endpoint_test: Add 2 ioctl commands")
Reviewed-by: Manivannan Sadhasivam <manivannan.sadhasivam@linaro.org>
Signed-off-by: Kunihiro Hayashi <hayashi.kunihiro@socionext.com>
Link: <https://lore.kernel.org/r/20250225110252.28866-3-hayashi.kunihiro@socionext.com>
[kwilczynski: commit log]
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Diffstat

```
-rw-r--r-- drivers/misc/pci_endpoint_test.c 3
```

1 files changed, 3 insertions, 0 deletions

diff --git a/drivers/misc/pci_endpoint_test.c b/drivers/misc/pci_endpoint_test.c
index cdb9a55a2c7060..1da647257b37e5 100644

--- a/drivers/misc/pci_endpoint_test.c

+++ b/drivers/misc/pci_endpoint_test.c

@@ -263,6 +263,9 @@ fail:

break;

}

+ test->num_irqs = i;

+ pci_endpoint_test_release_irq(test);

+

return false;

}