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Linux kernel stable tree

Stable Group

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author Kunihiro Hayashi <hayashi.kunihiro@socionext.com> 2025-02-25 20:02:48 +0900
committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-04-25 10:45:54 +0200
commit [5a4b7181213268c9b07bef8800905528435db44a](#) (patch)
tree [18f6e961b9e71d8a8cadc3eebdf691a7171297bd](#)
parent [11a2f91f1844d5b6b24a1fdd038c99463ed0e017](#) (diff)
download [linux-5a4b7181213268c9b07bef8800905528435db44a.tar.gz](#)

diff options

context:

3

space:

include

mode:

unified

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>

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Link: <https://lore.kernel.org/r/20250225110252.28866-3-hayashi.kunihiro@socionext.com>

[kwilczynski: commit log]

Signed-off-by: Krzysztof Wilczyński <kwilczynski@kernel.org>

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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 af519088732d9a..cd5af3e55f2895 100644

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

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

@@ -260,6 +260,9 @@ fail:

break;

}

+ test->num_irqs = i;

+ pci_endpoint_test_release_irq(test);

+

return false;

}