



index : kernel/git/stable/linux.git

master

switch

Linux kernel stable tree

Stable Group

[about](#) [summary](#) [refs](#) [log](#) [tree](#) [commit](#) [diff](#) [stats](#)

log msg

search

author Yang Yingliang <yangyingliang@huawei.com> 2022-10-24 16:45:11 +0800
committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2022-11-25 17:45:51 +0100
commit 85d2a8b287a89853c0dcfc5a97b5e9d36376fe37 (patch)
tree d916466c64c56dce1704f60516d3212226e8b597
parent 85cc1a2fd8bf33510aed5fafbf61abe21abaf95a (diff)
download linux-85d2a8b287a89853c0dcfc5a97b5e9d36376fe37.tar.gz

diff options

context: 3
space: include
mode: unified

iio: adc: at91_adc: fix possible memory leak in at91_adc_allocate_trigger()

commit 65f20301607d07ee279b0804d11a05a62a6c1a1c upstream.

If iio_trigger_register() returns error, it should call iio_trigger_free() to give up the reference that hold in iio_trigger_alloc(), so that it can call iio_trig_release() to free memory when the refcount hit to 0.

Fixes: 0e589d5fb317 ("ARM: AT91: IIO: Add AT91 ADC driver.")

Signed-off-by: Yang Yingliang <yangyingliang@huawei.com>

Link: <https://lore.kernel.org/r/20221024084511.815096-1-yangyingliang@huawei.com>

Cc: <Stable@vger.kernel.org>

Signed-off-by: Jonathan Cameron <Jonathan.Cameron@huawei.com>

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

Diffstat

-rw-r--r-- drivers/iio/adc/at91_adc.c 4

1 files changed, 3 insertions, 1 deletions

diff --git a/drivers/iio/adc/at91_adc.c b/drivers/iio/adc/at91_adc.c

index 0a793e7cd53ee1..38d4a910bc5256 100644

--- a/drivers/iio/adc/at91_adc.c

+++ b/drivers/iio/adc/at91_adc.c

```
@@ -616,8 +616,10 @@ static struct iio_trigger *at91_adc_allocate_trigger(struct iio_dev *idev,
    trig->ops = &at91_adc_trigger_ops;

    ret = iio_trigger_register(trig);
-   if (ret)
+   if (ret) {
+       iio_trigger_free(trig);
+       return NULL;
+   }

    return trig;
}
```