



index : kernel/git/stable/linux.git

master



switch

Linux kernel stable tree

Stable Group

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search

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committer Jonathan Cameron <Jonathan.Cameron@huawei.com> 2022-11-01 08:48:13 +0000
commit 65f20301607d07ee279b0804d11a05a62a6c1a1c (patch)
tree 5760dc14b65c090688336684e66cc8bdfdde793
parent ca1547ab15f48dc81624183ae17a2fd1bad06dfc (diff)
download linux-65f20301607d07ee279b0804d11a05a62a6c1a1c.tar.gz

diff options

context: 3
space: include
mode: unified

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

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>

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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 532daaa6f943cc..366e252eb077 100644

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

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

```
@@ -634,8 +634,10 @@ 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;
 }
```