[PATCH] rtc: rtc-bq4802: add error handling for devm_ioremap
2 messages

Zhouyang Jia <jiazhouyang09@gmail.com>   Tue, Jun 12, 2018 at 12:40 AM
Cc: Zhouyang Jia <jiazhouyang09@gmail.com>, Alessandro Zummo <a.zummo@towertech.it>, Alexandre Belloni <alexandre.belloni@bootlin.com>, linux-rtc@vger.kernel.org, linux-kernel@vger.kernel.org

    When devm_ioremap fails, the lack of error-handling code may
    cause unexpected results.

    This patch adds error-handling code after calling devm_ioremap.

    Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>
    ---
     drivers/rtc/rtc-bq4802.c | 4 ++++
     1 file changed, 4 insertions(+)

    diff --git a/drivers/rtc/rtc-bq4802.c b/drivers/rtc/rtc-bq4802.c
    index bd170cb..5747a54 100644
    --- a/drivers/rtc/rtc-bq4802.c
    +++ b/drivers/rtc/rtc-bq4802.c
    @@ -164,6 +164,10 @@ static int bq4802_probe(struct platform_device *pdev)
            } else if (p->r->flags & IORESOURCE_MEM) {
                    p->regs = devm_ioremap(&pdev->dev, p->r->start,
                                           resource_size(p->r));
    +   if (!p->regs){
    +   err = -ENOMEM;
    +   goto out;
    +   }
                    p->read = bq4802_read_mem;
                    p->write = bq4802_write_mem;
            } else {
    --
    2.7.4

Alexandre Belloni <alexandre.belloni@bootlin.com>   Wed, Jun 20, 2018 at 6:46 AM
To: Zhouyang Jia <jiazhouyang09@gmail.com>
Cc: Alessandro Zummo <a.zummo@towertech.it>, linux-rtc@vger.kernel.org, linux-kernel@vger.kernel.org

    On 12/06/2018 12:40:03+0800, Zhouyang Jia wrote:
    > When devm_ioremap fails, the lack of error-handling code may
    > cause unexpected results.
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    > Signed-off-by: Zhouyang Jia <jiazhouyang09@gmail.com>
    > ---
    > drivers/rtc/rtc-bq4802.c | 4 ++++
    > 1 file changed, 4 insertions(+)
    >
    Applied, thanks.

    --
    Alexandre Belloni, Bootlin (formerly Free Electrons)
    Embedded Linux and Kernel engineering
    https://bootlin.com