



index : kernel/git/stable/linux.git

master

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Linux kernel stable tree

Stable Group

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committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-04-20 10:18:14 +0200
commit [11d128f7eacec276c75cf4712880a6307ca9c885](#) (patch)
tree [2c02d49898f3e701349ed6b4af056040fe82e9ff](#)
parent [cfa3eb8e52732a1c36c1e1312d61b73a947e5348](#) (diff)
download [linux-11d128f7eacec276c75cf4712880a6307ca9c885.tar.gz](#)

diff options

context:
space:
mode:

backlight: led_bl: Hold led_access lock when calling led_sysfs_disable()

commit 276822a00db3c1061382b41e72cafc09d6a0ec30 upstream.

Lockdep detects the following issue on led-backlight removal:

```
[ 142.315935] -----[ cut here ]-----  
[ 142.315954] WARNING: CPU: 2 PID: 292 at drivers/leds/led-core.c:455 led_sysfs_enable+0x54/0x80  
...  
[ 142.500725] Call trace:  
[ 142.503176] led_sysfs_enable+0x54/0x80 (P)  
[ 142.507370] led_bl_remove+0x80/0xa8 [led_bl]  
[ 142.511742] platform_remove+0x30/0x58  
[ 142.515501] device_remove+0x54/0x90  
...
```

Indeed, led_sysfs_enable() has to be called with the led_access lock held.

Hold the lock when calling led_sysfs_disable().

Fixes: [ae232e45acf9](#) ("backlight: add led-backlight driver")

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Diffstat

```
-rw-r--r-- drivers/video/backlight/led_bl.c 5
```

1 files changed, 4 insertions, 1 deletions

diff --git a/drivers/video/backlight/led_bl.c b/drivers/video/backlight/led_bl.c

index [ae34d1ecbfef7..d2db157b2c290a](#) 100644

--- a/drivers/video/backlight/led_bl.c

+++ b/drivers/video/backlight/led_bl.c

```
@@ -229,8 +229,11 @@ static void led_bl_remove(struct platform_device *pdev)  
     backlight_device_unregister(bl);
```

```
     led_bl_power_off(priv);
```

```
-     for (i = 0; i < priv->nb_leds; i++)
```

```
+     for (i = 0; i < priv->nb_leds; i++) {
```

```
+         mutex_lock(&priv->leds[i]->led_access);
```

```
         led_sysfs_enable(priv->leds[i]);
```

```
+         mutex_unlock(&priv->leds[i]->led_access);
```

```
+  
}  
}
```

```
static const struct of_device_id led_bl_of_match[] = {
```

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