



author Herve Codina <herve.codina@bootlin.com> 2025-01-22 10:19:14 +0100
committer Greg Kroah-Hartman <gregkh@linuxfoundation.org> 2025-05-02 07:44:27 +0200
commit [74c7d67a3c305fc1fa03c32a838e8446fb7aee14](#) (patch)
tree [e0ed5607307f89284fa63f9ed3720fa426eee5c8](#)
parent [28d49aeb7760fcd5fe841513b69ffb68b6a182b3](#) (diff)
download [linux-74c7d67a3c305fc1fa03c32a838e8446fb7aee14.tar.gz](#)

diff options

context:
space:
mode:

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

[Upstream commit 276822a00db3c1061382b41e72cafc09d6a0ec30]

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")

Cc: [stable@vger.kernel.org](#)

Signed-off-by: Herve Codina <herve.codina@bootlin.com>

Link: <https://lore.kernel.org/r/20250122091914.309533-1-herve.codina@bootlin.com>

Signed-off-by: Lee Jones <lee@kernel.org>

Signed-off-by: Sasha Levin <sasha.l@kernel.org>

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 a1b6a2ad73a071..589dae9ebb638a 100644

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

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

@@ -226,8 +226,11 @@ 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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