



authorHenry Martin <bsdhenrymartin@gmail.com>2025-04-08 23:03:54 +0800

committerGreg Kroah-Hartman <gregkh@linuxfoundation.org>2025-05-02 07:39:25 +0200

commitad4796f2da495b2cbbd0fccccbcbf63f2ae613 (patch)

tree80241a6710598c33e0d3a306ab82867a242c5118

parent6b9f9b998b107c7539f148a013d789ddb860c3b9 (diff)

downloadlinux-ad4796f2da495b2cbbd0fccccbcbf63f2ae613.tar.gz

diff options

context:

3

space:

include

mode:

unified

## cpufreq: scpi: Fix null-ptr-deref in scpi\_cpufreq\_get\_rate()

[ Upstream commit 73b24dc731731edf762f9454552cb3a5b7224949 ]

cpufreq\_cpu\_get\_raw() can return NULL when the target CPU is not present in the policy->cpus mask. scpi\_cpufreq\_get\_rate() does not check for this case, which results in a NULL pointer dereference.

Fixes: 343a8d17fa8d ("cpufreq: scpi: remove arm\_big\_little dependency")  
Signed-off-by: Henry Martin <bsdhenrymartin@gmail.com>  
Acked-by: Sudeep Holla <sudeep.holla@arm.com>  
Signed-off-by: Viresh Kumar <viresh.kumar@linaro.org>  
Signed-off-by: Sasha Levin <sashal@kernel.org>

### Diffstat

|            |                                |    |
|------------|--------------------------------|----|
| -rw-r--r-- | drivers/cpufreq/scpi-cpufreq.c | 13 |
|------------|--------------------------------|----|

1 files changed, 10 insertions, 3 deletions

```
diff --git a/drivers/cpufreq/scpi-cpufreq.c b/drivers/cpufreq/scpi-cpufreq.c
index b341ffbf56bc3e..73539f357c7aec 100644
--- a/drivers/cpufreq/scpi-cpufreq.c
+++ b/drivers/cpufreq/scpi-cpufreq.c
@@ -39,9 +39,16 @@ static struct scpi_ops *scpi_ops;

static unsigned int scpi_cpufreq_get_rate(unsigned int cpu)
{
-     struct cpufreq_policy *policy = cpufreq_cpu_get_raw(cpu);
-     struct scpi_data *priv = policy->driver_data;
-     unsigned long rate = clk_get_rate(priv->clk);
+     struct cpufreq_policy *policy;
+     struct scpi_data *priv;
+     unsigned long rate;
+
+     policy = cpufreq_cpu_get_raw(cpu);
+     if (unlikely(!policy))
+         return 0;
+
+     priv = policy->driver_data;
+     rate = clk_get_rate(priv->clk);

    return rate / 1000;
}
```