
Subject: [PATCH ACPI] memory leakages in drivers/acpi/thermal.c

Posted by [vaverin](#) on Sun, 09 Apr 2006 15:05:37 GMT

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acpi_thermal_write_trip_points() and acpi_thermal_add() do not call kfree() for allocated memory on the error path.

Signed-off-by: Vasily Averin <vvs@sw.ru>

Thank you,
Vasily Averin

SWsoft Virtuozzo/OpenVZ Linux kernel team

--- a/drivers/acpi/thermal.c 2006-04-09 17:03:50.000000000 +0400

+++ b/drivers/acpi/thermal.c 2006-04-09 17:46:41.000000000 +0400

@@ -942,8 +942,10 @@ acpi_thermal_write_trip_points(struct fi
 memset(limit_string, 0, ACPI_THERMAL_MAX_LIMIT_STR_LEN);

 active = kmalloc(ACPI_THERMAL_MAX_ACTIVE * sizeof(int), GFP_KERNEL);
- if (!active)
+ if (!active) {
+ kfree(limit_string);
 return_VALUE(-ENOMEM);
+ }

 if (!tz || (count > ACPI_THERMAL_MAX_LIMIT_STR_LEN - 1)) {
 ACPI_DEBUG_PRINT((ACPI_DB_ERROR, "Invalid argument\n"));
@@ -1342,7 +1344,7 @@ static int acpi_thermal_add(struct acpi_

 result = acpi_thermal_add_fs(device);
 if (result)
- return_VALUE(result);
+ goto end;

 init_timer(&tz->timer);
