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);
```