## Bug 1928236 (CVE-2021-3411) - CVE-2021-3411 kernel: broken KRETPROBES reports corruption of .text section while running a FTRACE stress tester

Keywords: Security × Reported: 2021-02-12 17:16 UTC by Guilherme de Almeida Suckevicz Modified: 2022-07-16 03:22 UTC (History) Status: NEW CC List: 49 users (show) Fixed In Version: Linux kernel 5.10 Alias: CVF-2021-3411 Product: Security Response Doc Type: 1 If docs needed, set a value Doc Text: ① A flaw was found in the Linux kernel. A violation of memory access was found while detecting a padding of int3 in the linking state. The highest threat from this vulnerability is to data confidentiality and integrity as well as system availability. Component: vulnerability Version: unspecified Hardware: All OS: Linux Clone Of: Priority: medium Last Closed: Severity: medium Target ...
Milestone: Assignee: Red Hat Product Security QA Contact: Docs Contact: URL: Blocks: 1906597 1928240 TreeView+ depends on / blocked

Attachments (Terms of Use) Add an attachment (proposed patch, testcase, etc.)

## Guilherme de Almeida Suckevicz 2021-02-12 17:16:15 UTC

A violation of memory access flaw was found while detecting a padding of int3 in the linking state in function can optimize in arch/x86/kernel/kprobes/opt.c. In this problem a local attacker with a special user privilege may cause a threat to a system Integrity and Confidentiality, and may even lead to a denial of service problem.

Here a broken KRETPROBES reports corruption of .text section while running a FTRACE stress tester.

Reference: http://blog.pi3.com.pl/?p=831

Rohit Keshri 2021-02-14 10:00:23 UTC Comment 5

Mitigation:

Mitigation for this issue is either not available or the currently available options don't meet the Red Hat Product Security criteria comprising ease of use and deployment, applicability to widespread installation base or stability.

Robit Keshri 2021-02-14 10:02:02 LITC Comment 7

External References:

http://blog.pi3.com.pl/?p=831

Note:

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