CVE-2017-11472

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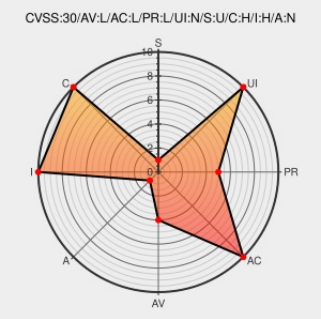
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Linux Kernel from Linux contain the following vulnerability:

The acpi_ns_terminate() function in drivers/acpi/acpica/nsutils.c in the Linux kernel before 4.12 does not flush the operand cache and causes a kernel stack dump, which allows local users to obtain sensitive information from kernel memory and bypass the KASLR protection mechanism (in the kernel through 4.9) via a crafted ACPI table.

CVE-2017-11472 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.1 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	NONE

CVSS2 Score: 3.6 - LOW

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	NONE

CVE References

Description	Tags	Link
kernel/git/torvalds/linux.git - Linux kernel source tree	Issue Tracking, Patch, Third Party Advisory	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=3b2d69114fefa474fca542e51119036dceb4aa6f

	git.kernel.org text/html	
Namespace: fix operand cache leak · acpica/acpica@a23325b · GitHub	Issue Tracking Patch Third Party Advisory github.com text/html	CONFIRM github.com/acpica/acpica/commit/a23325b2e583556eae88ed3f764e457786bf4df6
USN-3619-1: Linux kernel vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3619-1
USN-3619-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3619-2
USN-3754-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	usn.ubuntu.com text/html	UBUNTU USN-3754-1
ACPICA: Namespace: fix operand cache leak · torvalds/linux@3b2d691 · GitHub	Issue Tracking Patch Third Party Advisory github.com text/html	CONFIRM github.com/torvalds/linux/commit/3b2d69114fefa474fca542e51119036dceb4aa6f

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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