CVE-2018-10124

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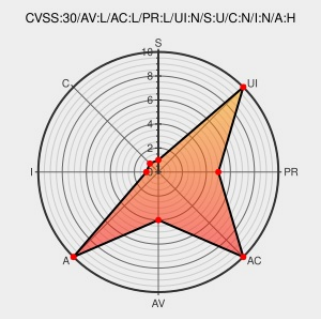
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

The kill_something_info function in kernel/signal.c in the Linux kernel before 4.13, when an unspecified architecture and compiler is used, might allow local users to cause a denial of service via an INT_MIN argument.

CVE-2018-10124 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

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

CVSS2 Score: 2.1 - LOW

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

CVE References

Description	Tags	Link
USN-3696-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu security notices	Third Party Advisory, usn.ubuntu.com, text/html	UBUNTU USN-3696-2
USN-3696-1: Linux kernel	Third Party Advisory	UBUNTU USN-3696-1

vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	
[SECURITY] [DLA 1423-1] linux-4.9 new package	Mailing List Third Party Advisory lists.debian.org text/html	MLIST [debian-lts-announce] 20180718 [SECURITY] [DLA 1423-1] linux-4.9 new package
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch Vendor Advisory git.kernel.org text/html	MISC git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=4ea77014af0d6205b05503d1c7aac6eace11d473
Linux Kernel Integer Negation Error Lets Local Users Cause Denial of Service Conditions - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html	SECTRACK 1040684
The problem with - 2147483648 in C. | Hacker News	Exploit Third Party Advisory news.ycombinator.com text/html	MISC news.ycombinator.com/item?id=2972021
USN-3754-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-3754-1
kernel/signal.c: avoid undefined behaviour in kill_something_info · torvalds/linux@4ea7701 · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/torvalds/linux/commit/4ea77014af0d6205b05503d1c7aac6eace11d473

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating	Linux	Linux Kernel	All	All	All	All

System						
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*
cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*
cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*
cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*
cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*
cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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