CVE-2017-18257

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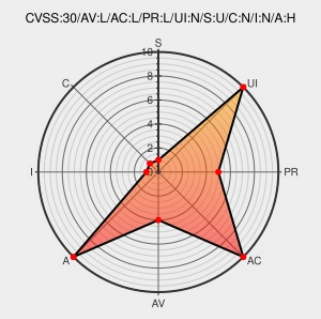

Certain versions of Debian Linux from Debian contain the following vulnerability:

The __get_data_block function in fs/f2fs/data.c in the Linux kernel before 4.11 allows local users to cause a denial of service (integer overflow and loop) via crafted use of the open and fallocate system calls with an FS_IOC_FIEMAP ioctl.

CVE-2017-18257 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: 4.9 - MEDIUM

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

CVE References

Description	Tags	Link
Debian -- Security Information -- DSA-4188-1 linux	Third Party Advisory, www.debian.org, Depreciated Link, text/html	DEBIAN DSA-4188

USN-3696-2: Linux kernel (Xenial HWE) vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3696-2
f2fs: fix a dead loop in f2fs_fiemap() · torvalds/linux@b86e330 · GitHub	Patch github.com text/html	MISC github.com/torvalds/linux/commit/b86e33075ed1909d8002745b56ecf73b833db143
USN-3696-1: Linux kernel vulnerabilities | Ubuntu security notices	usn.ubuntu.com text/html	UBUNTU USN-3696-1
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch git.kernel.org text/html	MISC git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=b86e33075ed1909d8002745b56ecf73b833db143

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

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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