CVE-2016-4568

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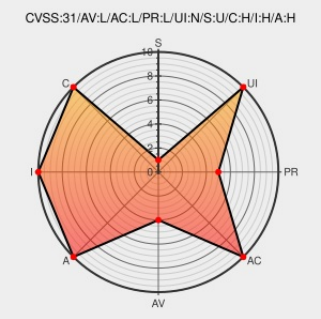
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

drivers/media/v4l2-core/videobuf2-v4l2.c in the Linux kernel before 4.5.3 allows local users to cause a denial of service (kernel memory write operation) or possibly have unspecified other impact via a crafted number of planes in a VIDIOC_DQBUF ioctl call.

CVE-2016-4568 has been assigned by security@debian.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

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

CVSS2 Score: 7.2 - HIGH

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

CVE References

Description	Tags	Link
oss-security - CVE Request: Linux: [media] videobuf2-v4l2: Verify planes array in buffer dequeueing	www.openwall.com text/html	MLIST [oss-security] 20160507 CVE Request: Linux: [media] videobuf2-v4l2: Verify planes array in buffer dequeueing

	www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.5.3
[media] videobuf2-v4l2: Verify planes array in buffer dequeueing · torvalds/linux@2c1f695 · GitHub	Vendor Advisory github.com text/html	CONFIRM github.com/torvalds/linux/commit/2c1f6951a8a82e6de0d82b1158b5e493fc6c54ab
kernel/git/torvalds/linux.git - Linux kernel source tree	git.kernel.org text/html	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=2c1f6951a8a82e6de0d82b1158b5e493fc6c54ab
1334316 – (CVE-2016-4568) CVE-2016-4568 kernel: videobuf2-v412: Planes array amount not verified in buffer dequeueing	bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1334316

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
Operating System	Linux	Linux Kernel	All	All	All	All

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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