CVE-2010-5321

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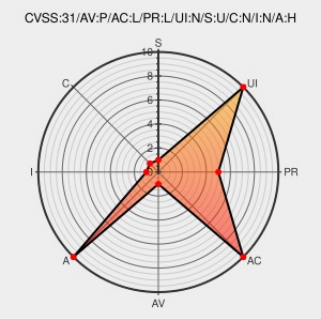

Certain versions of Linux Kernel from Linux contain the following vulnerability:

Memory leak in drivers/media/video/videobuf-core.c in the videobuf subsystem in the Linux kernel 2.6.x through 4.x allows local users to cause a denial of service (memory consumption) by leveraging /dev/video access for a series of mmap calls that require new allocations, a different vulnerability than CVE-2007-6761. NOTE: as of 2016-06-18, this affects only 11 drivers that have not been updated to use videobuf2 instead of videobuf.

CVE-2010-5321 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 4.3 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
PHYSICAL	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
#827340 - linux: CVE-2010-5321 memory leak in videobuf on		MISC bugs.debian.org/cgi-bin/bugreport.cgi?

#827340 - linux: CVE-2010-5321 memory leak in videobuf on multiple calls to mmap() - Debian Bug report logs	Issue Tracking Mailing List Third Party Advisory bugs.debian.org text/html	MISC bugs.debian.org/cgi-bin/bugreport.cgi?bug=827340
620629 – (CVE-2010-5321) CVE-2010-5321 kernel: v4l: videobuf: hotfix a bug on multiple calls to mmap()	Issue Tracking Third Party Advisory VDB Entry bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=620629
120571 – CVE-2010-5321 Multiple mmap() calls to v4l drivers using videobuf leak memory	Issue Tracking Third Party Advisory VDB Entry bugzilla.kernel.org text/html	MISC bugzilla.kernel.org/show_bug.cgi?id=120571
oss-security - Re: kernel: v4l: videobuf: hotfix a bug on multiple calls to mmap() - Linux kernel	Mailing List Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20150208 Re: kernel: v4l: videobuf: hotfix a bug on multiple calls to mmap() - Linux kernel
IRC Log for on , collected by	Not Applicable linuxtv.org text/html	MISC linuxtv.org/irc/v4l/index.php?date=2010-07-29

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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