CVE-2012-2121

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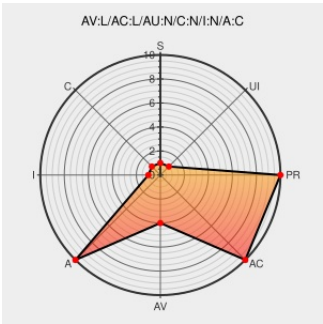
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



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

The KVM implementation in the Linux kernel before 3.3.4 does not properly manage the relationships between memory slots and the iommu, which allows guest OS users to cause a denial of service (memory leak and host OS crash) by leveraging administrative access to the guest OS to conduct hotunplug and hotplug operations on devices.

CVE-2012-2121 has been assigned by secalert@redhat.com to track the vulnerability

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
oss-security - Re: CVE request -- kernel: kvm: device assignment page leak	www.openwall.com text/html	MLIST [oss-security] 20120419 Re: CVE request -- kernel: kvm: device assignment page leak
USN-2037-1: Linux kernel (EC2) vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-2037-1
Bug 814149 – CVE-2012-2121 kvm: device assignment page leak	bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=814149
USN-2036-1: Linux kernel	www.ubuntu.com	UBUNTU USN-2036-1

vulnerabilities | Ubuntu	text/html	
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2012:0676
Security Alerts - Secunia	web.archive.org text/html	SECUNIA 50732
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2012:0743
	www.kernel.org text/plain	CONFIRM www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.3.4
Linux Kernel KVM Memory Slot Management Flaw Lets Local Guest Users Deny Service on the Guest Operating System - SecurityTracker	www.securitytracker.com text/html	SECTRACK 1027083
KVM: unmap pages from the iommu when slots are removed · torvalds/linux@09ca8e1 · GitHub	github.com text/html	CONFIRM github.com/torvalds/linux/commit/09ca8e1173bcb12e2a449698c9ae3b86a8a10195
USN-1577-1: Linux kernel (OMAP4) vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-1577-1

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

← Previous ID

Next ID→

CVE.report and Source URL Uptime Status status.cve.report