



CVE-2017-12190

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2017-12190
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2017-11-22 18:29:00 UTC
Updated	2023-02-12 23:27:00 UTC
Description	The bio_map_user_iov and bio_unmap_user functions in block/bio.c in the Linux kernel before 4.13.8 do unbalanced refcounting, which can lead to a kernel crash.

Risk And Classification

Problem Types: CWE-400

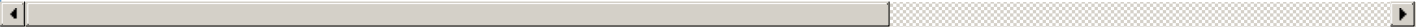
NVD Known Affected Configurations (CPE 2.3)

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

References

Reference	Source	Link
Linux kernel 'block/bio.c' Multiple Local Information Disclosure Vulnerabilities	BID	www.bids.cve.org
Red Hat Customer Portal	REDHAT	access.redhat.com
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.13.8	CONFIRM	www.kernel.org
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
Red Hat Customer Portal	REDHAT	access.redhat.com
support.f5.com/csp/article/K93472064	CONFIRM	support.f5.com
more bio_map_user_iov() leak fixes · torvalds/linux@2b04e8f · GitHub	CONFIRM	github.com
USN-3582-2: Linux kernel (Xenial HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
[SECURITY] [DLA 1200-1] linux security update	MLIST	lists.ubuntu.com
Red Hat Customer Portal	REDHAT	access.redhat.com
USN-3582-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
Bug 1495089 – CVE-2017-12190 kernel: memory leak when merging buffers in SCSI IO vectors	CONFIRM	bugzilla.redhat.com
fix unbalanced page refcounting in bio_map_user_iov · torvalds/linux@95d78c2 · GitHub	CONFIRM	github.com

USN-3583-2: Linux kernel (Trusty HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
Red Hat Customer Portal	REDHAT	access.redhat.com
Red Hat Customer Portal	REDHAT	access.redhat.com
USN-3583-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
CVE-2017-12190 - Red Hat Customer Portal	MISC	access.redhat.com
support.f5.com/csp/article/K93472064	MISC	support.f5.com
oss-sec: CVE-2017-12190: Linux kernel: block: memory leak when merging small consecutive buffers in SCSI IO vectors	CONFIRM	security.ubuntu.com
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRM	git.kernel.org
Red Hat Customer Portal	REDHAT	access.redhat.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov



No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.