



CVE-2019-7308

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

Summary

CVE	CVE-2019-7308
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-02-01 22:29:00 UTC
Updated	2023-11-07 03:13:00 UTC
Description	kernel/bpf/verifier.c in the Linux kernel before 4.20.6 performs undesirable out-of-bounds speculation on pointer arithmetic i

Risk And Classification

Problem Types: CWE-189

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All

References

Reference	Source	Link
bpf: fix sanitation of alu op with pointer / scalar type from differe... · torvalds/linux@d3bd741 · GitHub	MISC	github.com
cdn.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.20.6	MISC	cdn.kernel.org

support.f5.com/csp/article/K43030517	CONFIRM	support.f5.com
bpf: prevent out of bounds speculation on pointer arithmetic · torvalds/linux@979d63d · GitHub	MISC	github.com
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org
USN-3930-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
Linux kernel 'kernel/bpf/verifier.c' Information Disclosure Vulnerability	BID	www.securityfocus.com
1711 - project-zero - Project Zero - Monorail	MISC	bugs.chromium.org
USN-3930-2: Linux kernel (HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
USN-3931-1: Linux kernel vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
USN-3931-2: Linux kernel (HWE) vulnerabilities Ubuntu security notices	UBUNTU	usn.ubuntu.com
support.f5.com/csp/article/K43030517	CONFIRM	support.f5.com
[security-announce] openSUSE-SU-2019:1193-1: important: Security update	SUSE	lists.opensuse.org
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	git.kernel.org
myF5		support.f5.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.

Legacy QID Mappings

[352274](#) Amazon Linux Security Advisory for kernel: ALAS2-2021-1627

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