



CVE-2020-27170

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

Summary

CVE	CVE-2020-27170
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-03-20 22:15:00 UTC
Updated	2023-11-07 03:20:00 UTC
Description	An issue was discovered in the Linux kernel before 5.11.8. kernel/bpf/verifier.c performs undesirable out-of-bounds specula

Risk And Classification

Problem Types: CWE-203

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	20.04	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All

References

Reference

- [SECURITY] [Fedora 32 Update: kernel-5.11.10-100.fc32 - package-announce - Fedora Mailing-Lists](#)
- [SECURITY] [Fedora 33 Update: kernel-5.11.8-200.fc33 - package-announce - Fedora Mailing-Lists](#)
- [kernel/git/torvalds/linux.git - Linux kernel source tree](#)
- [SECURITY] [\[DLA 2610-1\] linux-4.19 security update](#)
- oss-security - Re: [\[CVE-2020-27170\] Protection against speculatively out-of-bounds loads in the Linux kernel can be bypassed by unprivileged](#)

Kernel Live Patch Security Notice LSN-0075-1 ≈ Packet Storm

oss-security - [CVE-2020-27170] Protection against speculatively out-of-bounds loads in the Linux kernel can be bypassed by unprivileged loc

[SECURITY] Fedora 33 Update: kernel-5.11.8-200.fc33 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 34 Update: kernel-5.11.8-300.fc34 - package-announce - Fedora Mailing-Lists

cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.11.8

[SECURITY] Fedora 34 Update: kernel-5.11.8-300.fc34 - package-announce - Fedora Mailing-Lists

[SECURITY] Fedora 32 Update: kernel-5.11.10-100.fc32 - package-announce - Fedora Mailing-Lists

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[159135](#) Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9140)

[159136](#) Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9141)

[159179](#) Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9222)

[159180](#) Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9223)

[159258](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2021-2314)

[174896](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1177-1)

[174897](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1175-1)

[174916](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1210-1)

[174917](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1211-1)

[174919](#) SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1238-1)

[178507](#) Debian Security Update for linux-4.19 (DLA 2610-1)

[198307](#) Ubuntu Security Notification for Linux, Linux-aws, Linux-aws-5.4, Linux-azure, Linux-azure-5.4, Linux-gcp, (USN-4887-1)

[198309](#) Ubuntu Security Notification for Linux, Linux-aws, Linux-aws-hwe, Linux-azure, Linux-azure-4.15, (USN-4890-1)

[239403](#) Red Hat Update for kernel (RHSA-2021:2314)

[239452](#) Red Hat Update for kernel-rt (RHSA-2021:2316)

[257092](#) CentOS Security Update for kernel (CESA-2021:2314)

[281069](#) Fedora Security Update for kernel (FEDORA-2021-e49da8a226)

[281407](#) Fedora Security Update for kernel (FEDORA-2021-9503ffad9)

281433 Fedora Security Update for kernel (FEDORA-2021-f0181b8085)
281434 Fedora Security Update for kernel (FEDORA-2021-e49da8a226)
610351 Google Pixel Android July 2021 Security Patch Missing
610358 Google Android July 2021 Security Patch Missing for Huawei EMUI
670416 EulerOS Security Update for kernel (EulerOS-SA-2021-1983)
670438 EulerOS Security Update for kernel (EulerOS-SA-2021-2062)
750004 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1573-1)
750006 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1596-1)
750015 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1624-1)
750199 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:0758-1)
750276 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:0532-1)
750650 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1975-1)
750652 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1977-1)
750762 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:1977-1)
750766 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:1975-1)
900100 CBL-Mariner Linux Security Update for kernel 5.10.52.1
900305 CBL-Mariner Linux Security Update for kernel 5.10.57.1
900320 CBL-Mariner Linux Security Update for kernel 5.10.60.1
901585 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6525-1)
903299 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3989)
906032 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (3989-1)

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