CVE-2021-33200

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Summary

CVE	CVE-2021-33200
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-05-27 13:15:00 UTC
Updated	2023-11-07 03:35:00 UTC
Description	kernel/bpf/verifier.c in the Linux kernel through 5.12.7 enforces incorrect limits for pointer arithmetic operations, aka CID-bb

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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
Operating System	Linux	Linux Kernel	All	All	All	All
Application	Netapp	Cloud Backup	-	All	All	All
Hardware	Netapp	H300e	-	All	All	All
Operating System	Netapp	H300e Firmware	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500e	-	All	All	All
Operating System	Netapp	H500e Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700e	-	All	All	All
Operating System	Netapp	H700e Firmware	-	All	All	All

Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Application	Netapp	Solidfire Baseboard Management Controller	-	All	All	All
Application	Netapp	Solidfire Hci Management Node	-	All	All	All

References

Reference
[SECURITY] Fedora 34 Update: kernel-5.12.8-300.fc34 - package-announce - Fedora Mailing-Lists
[SECURITY] Fedora 33 Update: kernel-5.12.8-200.fc33 - package-announce - Fedora Mailing-Lists
CVE-2021-33200 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security
[SECURITY] Fedora 33 Update: kernel-5.12.8-200.fc33 - package-announce - Fedora Mailing-Lists
oss-security - [CVE-2021-33200] Linux kernel enforcing incorrect limits for pointer arithmetic operations by BPF verifier can be abused to perfo
[SECURITY] Fedora 34 Update: kernel-5.12.8-300.fc34 - package-announce - Fedora Mailing-Lists
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 159492 Oracle Enterprise Linux Security Update for kernel (ELSA-2021-4356)
- 180538 Debian Security Update for linux (CVE-2021-33200)
- 198402 Ubuntu Security Notification for Linux kernel (OEM) vulnerabilities (USN-4983-1)
- 198416 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4997-1)
- 198417 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-4999-1)
- 198418 Ubuntu Security Notification for Linux kernel vulnerabilities (USN-5000-1)
- 198425 Ubuntu Security Notification for Linux kernel (KVM) vulnerabilities (USN-5000-2)
- 198426 Ubuntu Security Notification for Linux kernel (KVM) vulnerabilities (USN-4997-2)
- 198459 Ubuntu Security Notification for Linux, Linux-aws, Linux-aws-hwe, Linux-azure, Linux-azure-4.15, Linux-gcp, (USN-5018-1)
- 239816 Red Hat Update for kernel security (RHSA-2021:4356)
- 239879 Red Hat Update for kernel-rt (RHSA-2021:4140)
- 281096 Fedora Security Update for kernel (FEDORA-2021-646098b5b8)
- 281097 Fedora Security Update for kernel (FEDORA-2021-0b35886add)

281487 Fedora Security Update for kernel (FEDORA-2021-646098b5b8)

281488 Fedora Security Update for kernel (FEDORA-2021-0b35886add)

352461 Amazon Linux Security Advisory for kernel: ALAS2-2021-1675

352475 Amazon Linux Security Advisory for kernel: ALAS-2021-1516

352498 Amazon Linux Security Advisory for kernel-livepatch: ALAS2LIVEPATCH-2021-054

610384 Google Pixel Android December 2021 Security Patch Missing

670514 EulerOS Security Update for kernel (EulerOS-SA-2021-2272)

670543 EulerOS Security Update for kernel (EulerOS-SA-2021-2301)

670796 EulerOS Security Update for kernel (EulerOS-SA-2021-2554)

750117 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1891-1)

750118 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1890-1)

750121 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1888-1)

750125 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1887-1)

750126 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1889-1)

750139 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1913-1)

750140 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:1912-1)

750171 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:0843-1)

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)

750674 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 18 for SLE 12 SP5) (SUSE-SU-2021:2020-1)

750676 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 13 for SLE 15 SP2) (SUSE-SU-2021:2027-1)

750678 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 24 for SLE 15) (SUSE-SU-2021:2057-1)

750741 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:0947-1)

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)

750864 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:2421-1)

750868 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:2427-1)

750869 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:2422-1)

750877 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:2427-1)

755988 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0975-1)

756005 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2024:0925-1)

900096 CBL-Mariner Linux Security Update for kernel 5.10.52.1

900304 CBL-Mariner Linux Security Update for kernel 5.10.57.1

900319 CBL-Mariner Linux Security Update for kernel 5.10.60.1

901733 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6563-1)

902919 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (4244)

905960 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (4244-1)

940265 AlmaLinux Security Update for kernel (ALSA-2021:4356)