



CVE-2020-10732

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

Summary

CVE	CVE-2020-10732
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-06-12 14:15:00 UTC
Updated	2023-06-06 13:46:00 UTC
Description	A flaw was found in the Linux kernel's implementation of Userspace core dumps. This flaw allows an attacker with a local access to the system to cause a denial of service (DoS) by crashing the system.

Risk And Classification

Problem Types: CWE-908

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	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	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	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Application	Netapp	Active Iq Unified Manager	All	All	All	All
Application	Netapp	Active Iq Unified Manager	All	All	All	All
Hardware	Netapp	Aff 8300	-	All	All	All
Hardware	Netapp	Aff 8300	-	All	All	All
Operating System	Netapp	Aff 8300 Firmware	-	All	All	All

Operating System	Netapp	Aff 8300 Firmware	-	All	All	All
Hardware	Netapp	Aff 8700	-	All	All	All
Hardware	Netapp	Aff 8700	-	All	All	All
Operating System	Netapp	Aff 8700 Firmware	-	All	All	All
Operating System	Netapp	Aff 8700 Firmware	-	All	All	All
Hardware	Netapp	Aff A400	-	All	All	All
Hardware	Netapp	Aff A400	-	All	All	All
Operating System	Netapp	Aff A400 Firmware	-	All	All	All
Operating System	Netapp	Aff A400 Firmware	-	All	All	All
Hardware	Netapp	Aff A700	-	All	All	All
Hardware	Netapp	Aff A700	-	All	All	All
Operating System	Netapp	Aff A700 Firmware	-	All	All	All
Operating System	Netapp	Aff A700 Firmware	-	All	All	All
Hardware	Netapp	H300e	-	All	All	All
Hardware	Netapp	H300e	-	All	All	All
Operating System	Netapp	H300e Firmware	-	All	All	All
Operating System	Netapp	H300e Firmware	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Hardware	Netapp	H300s	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Operating System	Netapp	H300s Firmware	-	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Hardware	Netapp	H410s	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Operating System	Netapp	H410s Firmware	-	All	All	All
Hardware	Netapp	H500e	-	All	All	All
Hardware	Netapp	H500e	-	All	All	All
Operating System	Netapp	H500e Firmware	-	All	All	All
Operating System	Netapp	H500e Firmware	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All
Hardware	Netapp	H500s	-	All	All	All

Operating System	Netapp	H500s Firmware	-	All	All	All
Operating System	Netapp	H500s Firmware	-	All	All	All
Hardware	Netapp	H700e	-	All	All	All
Hardware	Netapp	H700e	-	All	All	All
Operating System	Netapp	H700e Firmware	-	All	All	All
Operating System	Netapp	H700e Firmware	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All
Hardware	Netapp	H700s	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Operating System	Netapp	H700s Firmware	-	All	All	All
Application	Netapp	Hci Management Node	-	All	All	All
Application	Netapp	Hci Management Node	-	All	All	All
Application	Netapp	Solidfire	-	All	All	All
Application	Netapp	Solidfire	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.2	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	15.2	All	All	All

References

Reference

[BUG: KMSAN: uninit-value in kmsan_handle_dma · Issue #76 · google/kmsan · GitHub](#)

[grsecurity on Twitter: "Did you know the Linux kernel's been leaking uninitialized data \(KASLR defeat\) through coredumps for over a decade, a](#)

[kernel/git/next/linux-next.git - The linux-next integration testing tree](#)

[Re: \[PATCH\] fs/binfmt_elf.c: allocate initialized memory in fill_thread_core_info\(\) - Alexander Potapenko](#)

[USN-4440-1: linux kernel vulnerabilities | Ubuntu security notices | Ubuntu](#)

[Red Hat Customer Portal](#)

[Red Hat Customer Portal - Access to 24x7 support and knowledge](#)

[Red Hat Customer Portal](#)

[fs/binfmt_elf.c: allocate initialized memory in fill_thread_core_info\(\) · ruscur/linux@a95cdec · GitHub](#)

[CVE-2020-10732 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security](#)

[Red Hat Customer Portal - Access to 24x7 support and knowledge](#)

[USN-4439-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu](#)

[1831399 – \(CVE-2020-10732\) CVE-2020-10732 kernel: uninitialized kernel data leak in userspace coredumps](#)

[security-announce] openSUSE-SU-2020:0935-1: important: Security update

USN-4411-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu

Red Hat Customer Portal - Access to 24x7 support and knowledge

1831399 – (CVE-2020-10732) CVE-2020-10732 kernel: uninitialized kernel data leak in userspace core dumps

USN-4427-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu

USN-4485-1: Linux kernel vulnerabilities | Ubuntu security notices | Ubuntu

Re: [PATCH] fs/binfmt_elf.c: allocate initialized memory in fill_thread_core_info() - Alexander Potapenko

[security-announce] openSUSE-SU-2020:0801-1: important: Security update

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[159684](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2020-4431)

[352300](#) Amazon Linux Security Advisory for kernel: ALAC2012-2020-020

[353139](#) Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-012

[377065](#) Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2020:0113)

[610318](#) Google Android February 2021 Security Patch Missing for Huawei EMUI

[610319](#) Google Android February 2021 Security Patch Missing for LGE

[610320](#) Google Android February 2021 Security Patch Missing for Samsung

[750376](#) OpenSUSE Security Update for RT kernel (openSUSE-SU-2021:0242-1)

[940256](#) AlmaLinux Security Update for kernel (ALSA-2020:4431)

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