



CVE-2019-13272

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2019-13272
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2019-07-17 13:15:00 UTC
Updated	2023-11-07 03:03:00 UTC
Description	In the Linux kernel before 5.1.17, ptrace_link in kernel/ptrace.c mishandles the recording of the credentials of a process tha

Risk And Classification

EPSS: 0.805650000 probability, percentile 0.991250000 (date 2026-04-01)

CISA KEV: Listed on 2021-12-10; due 2022-06-10; ransomware use Unknown

Problem Types: CWE-269

CISA Known Exploited Vulnerability

Vendor	Linux
Product	Kernel
Name	Linux Kernel Improper Privilege Management Vulnerability
Required Action	Apply updates per vendor instructions.
Notes	https://nvd.nist.gov/vuln/detail/CVE-2019-13272

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	19.04	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All

Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	29	All	All	All
Operating System	Fedoraproject	Fedora	29	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.2	-	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Hardware	Netapp	Aff A700s	-	All	All	All
Operating System	Netapp	Aff A700s Firmware	-	All	All	All
Application	Netapp	E-series Performance Analyzer	-	All	All	All
Application	Netapp	E-series Santricity Os Controller	All	All	All	All
Hardware	Netapp	H410c	-	All	All	All
Operating System	Netapp	H410c Firmware	-	All	All	All
Hardware	Netapp	H610s	-	All	All	All
Operating System	Netapp	H610s Firmware	-	All	All	All
Hardware	Netapp	Hci Compute Node	-	All	All	All
Application	Netapp	Hci Management Node	-	All	All	All
Application	Netapp	Service Processor	-	All	All	All
Application	Netapp	Solidfire	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux For Real Time	8	All	All	All

References

Reference	Source
July 2019 Linux Kernel Vulnerabilities in NetApp Products NetApp Product Security	CONFIRM
Bugtraq: [slackware-security] Slackware 14.2 kernel (SSA:2019-202-01)	BUGTRAC
Debian -- Security Information -- DSA-4484-1 linux	DEBIAN
[SECURITY] Fedora 29 Update: kernel-5.1.18-200.fc29 - package-announce - Fedora Mailing-Lists	FEDORA
[SECURITY] Fedora 29 Update: kernel-5.1.18-200.fc29 - package-announce - Fedora Mailing-Lists	
Bug 1140671 – VUL-0: CVE-2019-13272: kernel-source: Fix ->ptracer_cred handling for PTRACE_TRACEME	CONFIRM
1730895 – (CVE-2019-13272) CVE-2019-13272 kernel: broken permission and object lifetime handling for PTRACE_TRACEME	CONFIRM
Red Hat Customer Portal	REDHAT
[SECURITY] [DLA 1863-1] linux-4.9 security update	MLIST

cdn.kernel.org/pub/linux/kernel/v5.x/ChangeLog-5.1.1/	MISC
Linux PTRACE_TRACEME Local Root ≈ Packet Storm	MISC
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC
1903 - project-zero - Project Zero - Monorail	MISC
Bugtraq: [SECURITY] [DSA 4484-1] linux security update	BUGTRAC
USN-4095-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU
Red Hat Customer Portal	REDHAT
ptrace: Fix ->ptracer_cred handling for PTRACE_TRACEME · torvalds/linux@6994eef · GitHub	MISC
USN-4118-1: Linux kernel (AWS) vulnerabilities Ubuntu security notices Ubuntu	UBUNTU
USN-4117-1: Linux kernel (AWS) vulnerabilities Ubuntu security notices Ubuntu	UBUNTU
USN-4094-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU
support.f5.com/csp/article/K91025336	CONFIRM
Linux Kernel 5.1.x PTRACE_TRACEME pkexec Local Privilege Escalation ≈ Packet Storm	MISC
Linux PTRACE_TRACEME Broken Permission / Object Lifetime Handling ≈ Packet Storm	MISC
Linux Polkit pkexec Helper PTRACE_TRACEME Local Root ≈ Packet Storm	MISC
USN-4093-1: Linux kernel vulnerabilities Ubuntu security notices Ubuntu	UBUNTU
myF5	
support.f5.com/csp/article/K91025336	CONFIRM
Slackware Security Advisory - Slackware 14.2 kernel Updates ≈ Packet Storm	MISC
[SECURITY] [DLA 1862-1] linux security update	MLIST
Kernel Live Patch Security Notice LSN-0054-1 ≈ Packet Storm	MISC
Red Hat Customer Portal	REDHAT
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD
CISA Known Exploited Vulnerabilities catalog	CISA

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

376899 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2019:0049)

610318 Google Android February 2021 Security Patch Missing for Huawei EMUI

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