



CVE-2023-2156

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

Summary

CVE	CVE-2023-2156
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2023-05-09 22:15:00 UTC
Updated	2024-02-03 02:34:00 UTC
Description	A flaw was found in the networking subsystem of the Linux kernel within the handling of the RPL protocol. This issue results

Risk And Classification

Problem Types: CWE-617

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Fedoraproject	Fedora	38	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All	All

References

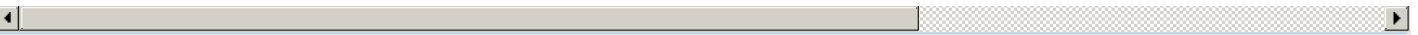
Reference

- [oss-security - Re: IPv6 and Route of Death](#)
- [Debian -- Security Information -- DSA-5453-1 linux](#)
- [oss-security - Re: IPv6 and Route of Death](#)
- [oss-security - Re: IPv6 and Route of Death](#)
- [oss-security - Re: IPv6 and Route of Death](#)
- [CVE-2023-2156 Linux Kernel Vulnerability in NetApp Products | NetApp Product Security](#)
- [ZDI-23-547 | Zero Day Initiative](#)
- [\[SECURITY\] \[DLA 3512-1\] linux-5.10 security update](#)
- [Debian -- Security Information -- DSA-5448-1 linux](#)

2196292 – (CVE-2023-2156, ZDI-23-547, ZDI-CAN-16223) CVE-2023-2156 kernel: net: IPv6 RPL protocol reachable assertion leads to DoS

CVE Program record

NVD vulnerability detail



No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 199421 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6173-1)
- 199809 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6416-1)
- 199810 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6412-1)
- 199814 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6416-2)
- 199840 Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6416-3)
- 199844 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-1)
- 199858 Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6445-2)
- 199883 Ubuntu Security Notification for Linux kernel (NVIDIA) Vulnerabilities (USN-6466-1)
- 355464 Amazon Linux Security Advisory for kernel : ALAS2023-2023-228
- 355531 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-034
- 355532 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-021
- 355838 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-138
- 355845 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-141
- 355850 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-139
- 355854 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-137
- 355858 Amazon Linux Security Advisory for kernel-livepatch : ALAS2LIVEPATCH-2023-140
- 356518 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-016
- 356529 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-017
- 356536 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-019
- 356543 Amazon Linux Security Advisory for kernel-livepatch : ALAS2023LIVEPATCH-2023-018
- 378892 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0114)
- 379043 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)
- 6000130 Debian Security Update for linux-5.10 (DLA 3512-1)

6000207 Debian Security Update for linux (DSA 5448-1)
6000218 Debian Security Update for linux (DSA 5453-1)
6140176 AWS Bottlerocket Security Update for kernel (GHSA-rgw5-w5vf-96rp)
673354 EulerOS Security Update for kernel (EulerOS-SA-2023-2843)
673496 EulerOS Security Update for kernel (EulerOS-SA-2023-2860)
754120 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:2611-1)
754829 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 24 for SLE 15 SP3) (SUSE-SU-2023:3594-1)
754831 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 27 for SLE 15 SP3) (SUSE-SU-2023:3595-1)
754834 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 25 for SLE 15 SP3) (SUSE-SU-2023:3607-1)
754841 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 29 for SLE 15 SP3) (SUSE-SU-2023:3623-1)
754844 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 32 for SLE 15 SP3) (SUSE-SU-2023:3628-1)
754845 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 30 for SLE 15 SP3) (SUSE-SU-2023:3627-1)
754846 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 34 for SLE 15 SP3) (SUSE-SU-2023:3632-1)
754847 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 33 for SLE 15 SP3) (SUSE-SU-2023:3631-1)
754848 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 0 for SLE 15 SP5) (SUSE-SU-2023:3630-1)
754851 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 14 for SLE 15 SP4) (SUSE-SU-2023:3653-1)
754852 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 12 for SLE 15 SP4) (SUSE-SU-2023:3648-1)
754853 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 11 for SLE 15 SP4) (SUSE-SU-2023:3647-1)
754854 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 8 for SLE 15 SP4) (SUSE-SU-2023:3644-1)
754857 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 1 for SLE 15 SP5) (SUSE-SU-2023:3659-1)
754858 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 2 for SLE 15 SP5) (SUSE-SU-2023:3658-1)
754859 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 13 for SLE 15 SP4) (SUSE-SU-2023:3657-1)
754870 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 9 for SLE 15 SP4) (SUSE-SU-2023:3677-1)
754871 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 1 for SLE 15 SP5) (SUSE-SU-2023:3676-1)
754872 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 7 for SLE 15 SP4) (SUSE-SU-2023:3675-1)
754873 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 0 for SLE 15 SP5) (SUSE-SU-2023:3671-1)
754874 SUSE Enterprise Linux Security Update for the Linux Kernel RT (Live Patch 6 for SLE 15 SP4) (SUSE-SU-2023:3668-1)
755851 SUSE Enterprise Linux Security Update for the linux kernel (SUSE-SU-2023:2646-1)

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