



# CVE-2022-3435

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

## Summary

<b>CVE</b>	CVE-2022-3435
<b>State</b>	PUBLIC
<b>Assigner</b>	cna@vuldb.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-10-08 11:15:00 UTC
<b>Updated</b>	2023-11-07 03:51:00 UTC
<b>Description</b>	A vulnerability classified as problematic has been found in Linux Kernel. This affects the function fib_nh_match of the file ne

## Risk And Classification

**Problem Types: CWE-119**

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	35	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	-	All	All	All

## References

Reference	Source	Link	T
[SECURITY] Fedora 36 Update: kernel-5.19.15-201.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
[SECURITY] Fedora 35 Update: kernel-5.19.15-101.fc35 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
[SECURITY] Fedora 37 Update: kernel-5.19.15-301.fc37 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
[SECURITY] Fedora 37 Update: kernel-5.19.15-301.fc37 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
[SECURITY] Fedora 36 Update: kernel-5.19.15-201.fc36 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
[SECURITY] [DLA 3244-1] linux-5.10 security update	MLIST	<a href="https://lists.debian.org">lists.debian.org</a>	
CVE-2022-3435   Linux Kernel IPv4 fib_semantics.c fib_nh_match out-of-bounds	N/A	<a href="https://vuldb.com">vuldb.com</a>	
[PATCH net] ipv4: Handle attempt to delete multipath route when fib_info contains an nh reference	N/A	<a href="https://lore.kernel.org">lore.kernel.org</a>	
[PATCH net] ipv4: Handle attempt to delete multipath route when fib_info contains an nh reference		<a href="https://lore.kernel.org">lore.kernel.org</a>	

[SECURITY] Fedora 35 Update: kernel-5.19.15-101.fc35 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org">lists.fedoraproject.org</a>	
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	c
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	c

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">160583</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2458)
<a href="#">181392</a> Debian Security Update for linux (CVE-2022-3435)
<a href="#">181440</a> Debian Security Update for linux-5.10 (DLA 3244-1)
<a href="#">199209</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5912-1)
<a href="#">199211</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5911-1)
<a href="#">199212</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5917-1)
<a href="#">199220</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5929-1)
<a href="#">199223</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5935-1)
<a href="#">199224</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5934-1)
<a href="#">199226</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5939-1)
<a href="#">199227</a> Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-5938-1)
<a href="#">199229</a> Ubuntu Security Notification for Linux kernel (KVM) Vulnerabilities (USN-5941-1)
<a href="#">199230</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5940-1)
<a href="#">199238</a> Ubuntu Security Notification for Linux kernel (KVM) Vulnerabilities (USN-5950-1)
<a href="#">199239</a> Ubuntu Security Notification for Linux kernel (IBM) Vulnerabilities (USN-5951-1)
<a href="#">199243</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-5962-1)
<a href="#">199276</a> Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6000-1)
<a href="#">241417</a> Red Hat Update for kernel security (RHSA-2023:2458)
<a href="#">241468</a> Red Hat Update for kernel-rt (RHSA-2023:2148)
<a href="#">283201</a> Fedora Security Update for kernel (FEDORA-2022-2cfbe17910)
<a href="#">283209</a> Fedora Security Update for kernel (FEDORA-2022-b948fc3cfb)
<a href="#">283477</a> Fedora Security Update for kernel (FEDORA-2022-1a5b125ac6)
<a href="#">355199</a> Amazon Linux Security Advisory for kernel : ALAS2023-2023-070

377891	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0002)
378468	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)
378512	Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)
672495	EulerOS Security Update for kernel (EulerOS-SA-2023-1012)
672516	EulerOS Security Update for kernel (EulerOS-SA-2023-1037)
752911	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3998-1)
752913	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4072-1)
753063	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4617-1)
753562	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0134-1)
753583	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0152-1)
753688	SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0406-1)
941023	AlmaLinux Security Update for kernel (ALSA-2023:2458)
941061	AlmaLinux Security Update for kernel-rt (ALSA-2023:2148)

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