



# CVE-2023-42754

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

## Summary

<b>CVE</b>	CVE-2023-42754
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-10-05 19:15:00 UTC
<b>Updated</b>	2023-11-07 04:21:00 UTC
<b>Description</b>	A NULL pointer dereference flaw was found in the Linux kernel ipv4 stack. The socket buffer (skb) was assumed to be assoc

## Risk And Classification

### Problem Types: CWE-476

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	37	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	38	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	39	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.6	rc2	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux</a>	9.0	All	All	All

## References

Reference	Source	Link
cve-details	MISC	<a href="#">access.</a>
oss-sec: [CVE-2023-42754] null pointer dereference in Linux kernel ipv4 stack	MISC	<a href="#">seclists.</a>
[SECURITY] Fedora 38 Update: kernel-6.5.6-200.fc38 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fed</a>
2239845 – (CVE-2023-42754) CVE-2023-42754 kernel: ipv4: NULL pointer dereference in ipv4_send_dest_unreach()	MISC	<a href="#">bugzilla</a>
[SECURITY] Fedora 37 Update: kernel-6.5.6-100.fc37 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fed</a>
[SECURITY] Fedora 39 Update: kernel-6.5.6-300.fc39 - package-announce - Fedora Mailing-Lists	MISC	<a href="#">lists.fed</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

[199881](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6461-1)

[199936](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6494-1)

[199970](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6494-2)

[199976](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6534-1)

[199979](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6532-1)

[199980](#) Ubuntu Security Notification for Linux kernel Vulnerability (USN-6536-1)

[199982](#) Ubuntu Security Notification for Linux kernel (GCP) Vulnerability (USN-6537-1)

[199996](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6549-1)

[199997](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6548-1)

[199999](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6548-2)

[200002](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6534-2)

[200003](#) Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-6549-2)

[200006](#) Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6548-3)

[200007](#) Ubuntu Security Notification for Linux kernel (Low Latency) Vulnerabilities (USN-6549-3)

[200010](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6534-3)

[200024](#) Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6549-4)

[200035](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6549-5)

[200037](#) Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6548-5)

[200113](#) Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6635-1)

[284598](#) Fedora Security Update for kernel (FEDORA-2023-50bd7c9c12)

[284599](#) Fedora Security Update for kernel (FEDORA-2023-830d9ec624)

[285211](#) Fedora Security Update for kernel (FEDORA-2023-c3bb819677)

[356530](#) Amazon Linux Security Advisory for kernel : ALAS2023-2023-385

[356562](#) Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-055

<a href="#">356569</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.15-2023-028
<a href="#">356612</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2023-042
<a href="#">379043</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)
<a href="#">6000429</a> Debian Security Update for linux (DLA 3710-1)
<a href="#">6140258</a> AWS Bottlerocket Security Update for kernel (GHSA-88vc-qqhp-5j29)
<a href="#">6140310</a> AWS Bottlerocket Security Update for kernel (GHSA-f87x-mhxq-hfcc)
<a href="#">673534</a> EulerOS Security Update for kernel (EulerOS-SA-2024-1086)
<a href="#">673563</a> EulerOS Security Update for kernel (EulerOS-SA-2024-1144)
<a href="#">673595</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3247)
<a href="#">673644</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3336)
<a href="#">673692</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3275)
<a href="#">673923</a> EulerOS Security Update for kernel (EulerOS-SA-2024-1062)
<a href="#">673995</a> EulerOS Security Update for kernel (EulerOS-SA-2024-1275)
<a href="#">674042</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3304)
<a href="#">755059</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4035-1)
<a href="#">755060</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4031-1)
<a href="#">755063</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4032-1)
<a href="#">755082</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4058-1)
<a href="#">755083</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4057-1)
<a href="#">755085</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4072-1)
<a href="#">755086</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4071-1)
<a href="#">755096</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4093-1)
<a href="#">755229</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4072-2)
<a href="#">755235</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:4377-1)
<a href="#">755564</a> SUSE Security Update for the linux kernel (SUSE-SU-2023:4348-1)
<a href="#">755565</a> SUSE Security Update for the linux kernel (SUSE-SU-2023:4347-1)
<a href="#">907569</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (31271-1)

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