



# CVE-2023-3772

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

## Summary

<b>CVE</b>	CVE-2023-3772
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-07-25 16:15:00 UTC
<b>Updated</b>	2024-01-30 17:15:00 UTC
<b>Description</b>	A flaw was found in the Linux kernel's IP framework for transforming packets (XFRM subsystem). This issue may allow a m

## 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="#">Debian</a>	<a href="#">Debian Linux</a>	10.0	All	All	All
Operating System	<a href="#">Debian</a>	<a href="#">Debian Linux</a>	12.0	All	All	All
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	-	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	-	All	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
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux For Real Time</a>	8.0	All	All	All
Operating System	<a href="#">Redhat</a>	<a href="#">Enterprise Linux For Real Time For Nfv</a>	8.0	All	All	All

## References

Reference	Source	Link
cve-details	MISC	<a href="#">access.rec</a>
[SECURITY] [DLA 3623-1] linux-5.10 security update	MISC	<a href="#">lists.debian</a>
Red Hat		<a href="#">access.rec</a>
oss-security - CVE-2023-3772: Linux kernel: xfrm_update_ae_params NULL pointer dereference	MISC	<a href="#">www.open</a>
Red Hat		<a href="#">access.rec</a>
<a href="#">lists.debian.org/debian-lts-announce/2024/01/msg00004.html</a>		<a href="#">lists.debian</a>

Debian -- Security Information -- DSA-5492-1 linux	MISC	<a href="http://www.debian.org">www.debian.org</a>
Red Hat		<a href="https://access.redhat.com">access.redhat.com</a>
oss-security - Re: CVE-2023-3772: Linux kernel: xfrm_update_ae_params NULL pointer dereference	MISC	<a href="http://www.openwall.com">www.openwall.com</a>
Red Hat		<a href="https://access.redhat.com">access.redhat.com</a>
2218943 -- (CVE-2023-3772) CVE-2023-3772 kernel: xfrm: NULL pointer dereference in xfrm_update_ae_params()	MISC	<a href="https://bugzilla.redhat.com">bugzilla.redhat.com</a>
Red Hat		<a href="https://access.redhat.com">access.redhat.com</a>
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

### Legacy QID Mappings

<a href="#">160949</a> Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12842)
<a href="#">161066</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-6583)
<a href="#">161147</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-7077)
<a href="#">199803</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-6415-1)
<a href="#">199842</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6440-1)
<a href="#">199843</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6439-1)
<a href="#">199849</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-6440-2)
<a href="#">199855</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6439-2)
<a href="#">199864</a> Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-6440-3)
<a href="#">199878</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6465-1)
<a href="#">199879</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6464-1)
<a href="#">199882</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6462-1)
<a href="#">199883</a> Ubuntu Security Notification for Linux kernel (NVIDIA) Vulnerabilities (USN-6466-1)
<a href="#">199886</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6465-2)
<a href="#">199903</a> Ubuntu Security Notification for Linux kernel (GKE) Vulnerabilities (USN-6465-3)
<a href="#">199919</a> Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6462-2)
<a href="#">199955</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6516-1)
<a href="#">199957</a> Ubuntu Security Notification for Linux kernel (StarFive) Vulnerabilities (USN-6520-1)
<a href="#">242399</a> Red Hat Update for kernel security (RHSA-2023:6583)

<a href="#">242434</a> Red Hat Update for kernel-rt security (RHSA-2023:6901)
<a href="#">242451</a> Red Hat Update for kernel security (RHSA-2023:7077)
<a href="#">242789</a> Red Hat Update for kernel (RHSA-2024:0575)
<a href="#">242855</a> Red Hat Update for kernel (RHSA-2024:0412)
<a href="#">356357</a> Amazon Linux Security Advisory for kernel : ALAS-2023-1838
<a href="#">356409</a> Amazon Linux Security Advisory for kernel : ALAS2-2023-2264
<a href="#">356606</a> Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2023-053
<a href="#">379043</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0136)
<a href="#">390290</a> Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2023-0023)
<a href="#">6000220</a> Debian Security Update for linux (DSA 5492-1)
<a href="#">6000265</a> Debian Security Update for linux-5.10 (DLA 3623-1)
<a href="#">6000429</a> Debian Security Update for linux (DLA 3710-1)
<a href="#">673406</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3182)
<a href="#">673449</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2898)
<a href="#">673484</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3033)
<a href="#">673498</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3132)
<a href="#">673563</a> EulerOS Security Update for kernel (EulerOS-SA-2024-1144)
<a href="#">673732</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3010)
<a href="#">673848</a> EulerOS Security Update for kernel (EulerOS-SA-2023-3217)
<a href="#">673970</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2879)
<a href="#">754832</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3600-1)
<a href="#">754833</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3599-1)
<a href="#">754855</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3656-1)
<a href="#">754863</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3680-1)
<a href="#">754866</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3684-1)
<a href="#">754867</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3683-1)
<a href="#">754868</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3682-1)
<a href="#">754869</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3681-1)

754876 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3687-1)
754883 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3705-1)
754884 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3704-1)
754899 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3599-2)
754900 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3600-2)
754901 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3704-2)
754903 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3683-2)
755026 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3964-1)
755037 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3971-1)
755038 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3969-1)
755043 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:3988-1)
941453 AlmaLinux Security Update for kernel (ALSA-2023:7077)

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