



# CVE-2022-41218

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

## Summary

<b>CVE</b>	CVE-2022-41218
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-09-21 07:15:00 UTC
<b>Updated</b>	2023-11-07 03:52:00 UTC
<b>Description</b>	In drivers/media/dvb-core/dmxdev.c in the Linux kernel through 5.19.10, there is a use-after-free caused by refcount races,

## Risk And Classification

**Problem Types:** CWE-416

## 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>	11.0	All	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	All	All	All	All

## References

Reference	Source	Link	Tags
[SECURITY] [DLA 3349-1] linux-5.10 security update	MLIST	<a href="#">lists.debian.org</a>	
Debian -- Security Information -- DSA-5324-1 linux	DEBIAN	<a href="#">www.debian.org</a>	
[PATCH] media: dvb-core: Fix UAF due to refcount races at releasing - Takashi Iwai		<a href="#">lore.kernel.org</a>	
[SECURITY] [DLA 3403-1] linux security update	MLIST	<a href="#">lists.debian.org</a>	
oss-security - [Report v2] CVE-2022-41218: Linux dvb-core: UAF in dvb-core/dmxdev	MLIST	<a href="#">www.openwall.com</a>	
oss-security - CVE-2022-41218: Linux dvb-core: UAF in dvb-core/dmxdev	MLIST	<a href="#">www.openwall.com</a>	
kernel/git/torvalds/linux.git - Linux kernel source tree	MISC	<a href="#">git.kernel.org</a>	
[PATCH] media: dvb-core: Fix UAF due to refcount races at releasing - Takashi Iwai	MISC	<a href="#">lore.kernel.org</a>	
oss-security - Re: [Report v2] CVE-2022-41218: Linux dvb-core: UAF in dvb-core/dmxdev	MLIST	<a href="#">www.openwall.com</a>	
CVE Program record	CVE.ORG	<a href="#">www.cve.org</a>	canonical
NVD vulnerability detail	NVD	<a href="#">nvd.nist.gov</a>	canonical, ana

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[160505](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12196)

[160506](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12199)

[160508](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12200)

[160515](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2023-12207)

[160516](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12206)

[160692](#) Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2951)

[160818](#) Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2023-12688)

[181491](#) Debian Security Update for linux (DSA 5324-1)

[181618](#) Debian Security Update for linux-5.10 (DLA 3349-1)

[181768](#) Debian Security Update for linux (DLA 3403-1)

[183309](#) Debian Security Update for linux (CVE-2022-41218)

[199208](#) Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5915-1)

[199212](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5917-1)

[199218](#) Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5927-1)

[199224](#) Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5934-1)

[199226](#) Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5939-1)

[199230](#) Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-5940-1)

[199239](#) Ubuntu Security Notification for Linux kernel (IBM) Vulnerabilities (USN-5951-1)

[199260](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5982-1)

[199261](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5984-1)

[199265](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5987-1)

[199267](#) Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5991-1)

[199276](#) Ubuntu Security Notification for Linux kernel (BlueField) Vulnerabilities (USN-6000-1)

[199280](#) Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6004-1)

[199294](#) Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6024-1)

[199300](#) Ubuntu Security Notification for Linux kernel (Qualcomm Snapdragon) Vulnerabilities (USN-6030-1)

<a href="#">199502</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5975-1)
<a href="#">199541</a> Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5924-1)
<a href="#">199560</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6001-1)
<a href="#">199568</a> Ubuntu Security Notification for Linux kernel (AWS) Vulnerabilities (USN-6013-1)
<a href="#">199570</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5981-1)
<a href="#">199577</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6014-1)
<a href="#">199587</a> Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-6009-1)
<a href="#">241504</a> Red Hat Update for kernel security (RHSA-2023:2951)
<a href="#">241527</a> Red Hat Update for kernel-rt (RHSA-2023:2736)
<a href="#">242855</a> Red Hat Update for kernel (RHSA-2024:0412)
<a href="#">378468</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)
<a href="#">378473</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0021)
<a href="#">378512</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)
<a href="#">390286</a> Oracle Managed Virtualization (VM) Server for x86 Security Update for kernel (OVMSA-2023-0018)
<a href="#">672747</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1469)
<a href="#">672802</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1551)
<a href="#">672806</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1526)
<a href="#">672914</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1781)
<a href="#">672951</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1759)
<a href="#">673117</a> EulerOS Security Update for kernel (EulerOS-SA-2023-2152)
<a href="#">752668</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3586-1)
<a href="#">752669</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3587-1)
<a href="#">752671</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3584-1)
<a href="#">752700</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3688-1)
<a href="#">752702</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3693-1)
<a href="#">752708</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3704-1)
<a href="#">752724</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3775-1)
<a href="#">752750</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3844-1)
<a href="#">752815</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 03 for SLE 15 SP3) (SUSE-SU-2022:4544-1)

<a href="#">753015</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 23 for SLE 15 SP3) (SUSE-SU-2022:4544-1)
<a href="#">753016</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 24 for SLE 15 SP2) (SUSE-SU-2022:4587-1)
<a href="#">753018</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 31 for SLE 15) (SUSE-SU-2022:4577-1)
<a href="#">753021</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 14 for SLE 15 SP3) (SUSE-SU-2022:4528-1)
<a href="#">753022</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 20 for SLE 15 SP3) (SUSE-SU-2022:4551-1)
<a href="#">753025</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 32 for SLE 15 SP1) (SUSE-SU-2022:4506-1)
<a href="#">753026</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 33 for SLE 15 SP1) (SUSE-SU-2022:4533-1)
<a href="#">753032</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 27 for SLE 15 SP2) (SUSE-SU-2022:4513-1)
<a href="#">753033</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 1 for SLE 15 SP4) (SUSE-SU-2022:4518-1)
<a href="#">753035</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 30 for SLE 15 SP2) (SUSE-SU-2022:4534-1)
<a href="#">753036</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 26 for SLE 15) (SUSE-SU-2022:4550-1)
<a href="#">753037</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 26 for SLE 15 SP2) (SUSE-SU-2022:4580-1)
<a href="#">753040</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 12 for SLE 15 SP3) (SUSE-SU-2022:4562-1)
<a href="#">753041</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 24 for SLE 15 SP3) (SUSE-SU-2022:4516-1)
<a href="#">753044</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 3 for SLE 15 SP4) (SUSE-SU-2022:4559-1)
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<a href="#">753048</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 18 for SLE 15 SP3) (SUSE-SU-2022:4569-1)
<a href="#">753049</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 26 for SLE 12 SP5) (SUSE-SU-2022:4520-1)
<a href="#">753050</a> SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 22 for SLE 15 SP3) (SUSE-SU-2022:4543-1)
<a href="#">753063</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4617-1)
<a href="#">753095</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3585-1)
<a href="#">753370</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3609-1)
<a href="#">753374</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3809-1)
<a href="#">753703</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
<a href="#">753707</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2023:0416-1)
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<a href="#">904031</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10986)
<a href="#">904034</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10984)
<a href="#">906002</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10986-2)

906363 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10984-2)

906599 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10986-4)

941096 AlmaLinux Security Update for kernel (ALSA-2023:2951)

941114 AlmaLinux Security Update for kernel-rt (ALSA-2023:2736)

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