



# CVE-2022-3707

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## Summary

<b>CVE</b>	CVE-2022-3707
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-03-06 23:15:00 UTC
<b>Updated</b>	2023-11-07 03:51:00 UTC
<b>Description</b>	A double-free memory flaw was found in the Linux kernel. The Intel GVT-g graphics driver triggers VGA card system resour

## Risk And Classification

**Problem Types:** CWE-415

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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>	6.1	-	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.1	rc1	All	All
Operating System	<a href="#">Linux</a>	<a href="#">Linux Kernel</a>	6.1	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

- [SECURITY] [DLA 3404-1] linux-5.10 security update
- [SECURITY] [DLA 3403-1] linux security update
- [PATCH v3] drm/i915/gvt: fix double free bug in split\_2MB\_gtt\_entry - Zheng Wang
- 2137979 – (CVE-2022-3707) CVE-2022-3707 kernel: Double-free in split\_2MB\_gtt\_entry when function intel\_gvt\_dma\_map\_guest\_page failed
- [PATCH v3] drm/i915/gvt: fix double free bug in split\_2MB\_gtt\_entry - Zheng Wang
- CVE Program record
- NVD vulnerability detail

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="#">160692</a> Oracle Enterprise Linux Security Update for kernel (ELSA-2023-2951)
<a href="#">181765</a> Debian Security Update for linux-5.10 (DLA 3404-1)
<a href="#">181768</a> Debian Security Update for linux (DLA 3403-1)
<a href="#">184951</a> Debian Security Update for linux (CVE-2022-3707)
<a href="#">199208</a> Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5915-1)
<a href="#">199342</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6080-1)
<a href="#">199343</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6079-1)
<a href="#">199346</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6085-1)
<a href="#">199351</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6090-1)
<a href="#">199353</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6091-1)
<a href="#">199354</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6096-1)
<a href="#">199355</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6094-1)
<a href="#">199368</a> Ubuntu Security Notification for Linux kernel (Raspberry Pi) Vulnerabilities (USN-6109-1)
<a href="#">199376</a> Ubuntu Security Notification for Linux kernel (Oracle) Vulnerabilities (USN-6118-1)
<a href="#">199384</a> Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-6132-1)
<a href="#">199385</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6134-1)
<a href="#">199389</a> Ubuntu Security Notification for Linux kernel (Intel IoTG) Vulnerabilities (USN-6133-1)
<a href="#">199465</a> Ubuntu Security Notification for Linux kernel (Xilinx ZynqMP) Vulnerabilities (USN-6222-1)
<a href="#">199614</a> Ubuntu Security Notification for Linux kernel (IoT) Vulnerabilities (USN-6256-1)
<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="#">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="#">242890</a> Red Hat Update for kernel (RHSA-2024:0724)
<a href="#">378468</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-20230042)

<a href="#">378512</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0042)
<a href="#">378701</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0030)
<a href="#">378710</a> Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2023:0079)
<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="#">673005</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1873)
<a href="#">673017</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1978)
<a href="#">673047</a> EulerOS Security Update for kernel (EulerOS-SA-2023-1956)
<a href="#">753020</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4585-1)
<a href="#">753034</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4504-1)
<a href="#">753045</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4503-1)
<a href="#">753051</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4589-1)
<a href="#">753061</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4616-1)
<a href="#">753062</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4613-1)
<a href="#">753063</a> SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4617-1)
<a href="#">906668</a> Common Base Linux Mariner (CBL-Mariner) Security Update for hyperv-daemons (25607-3)
<a href="#">906721</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25630-1)
<a href="#">906838</a> Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (25634-1)
<a href="#">941023</a> AlmaLinux Security Update for kernel (ALSA-2023:2458)
<a href="#">941061</a> AlmaLinux Security Update for kernel-rt (ALSA-2023:2148)
<a href="#">941096</a> AlmaLinux Security Update for kernel (ALSA-2023:2951)
<a href="#">941114</a> AlmaLinux Security Update for kernel-rt (ALSA-2023:2736)

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