



CVE-2021-3748

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

Summary

CVE	CVE-2021-3748
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-03-23 20:15:00 UTC
Updated	2023-01-03 15:16:00 UTC
Description	A use-after-free vulnerability was found in the virtio-net device of QEMU. It could occur when the descriptor's address below

Risk And Classification

Problem Types: CWE-416

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	20.04	All	All	All
Operating System	Canonical	Ubuntu Linux	21.10	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Application	Qemu	Qemu	All	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux Advanced Virtualization Eus	8.4	All	All	All

References

Reference	Source	Link
CVE-2021-3748 QEMU Vulnerability in NetApp Products NetApp Product Security	CONFIRM	security.netapp.c
[PATCH] virtio-net: fix use after unmap/free for sg	MISC	lists.nongnu.org
[SECURITY] [DLA 3099-1] qemu security update	MLIST	lists.debian.org
CVE-2021-3748 Ubuntu	MISC	ubuntu.com
1998514 - (CVE-2021-3748) CVE-2021-3748 QEMU: virtio-net: heap use-after-free in virtio_net_receive_rcu	MISC	bugzilla.redhat.c

QEMU: Multiple Vulnerabilities (GLSA 202208-27) — Gentoo security	GENTOO	security.gentoo.org
[SECURITY] [DLA 2970-1] qemu security update	MLIST	lists.debian.org
virtio-net: fix use after unmap/free for sg · qemu/qemu@bedd7e9 · GitHub	MISC	github.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[159858](#) Oracle Enterprise Linux Security Update for virt:ol and virt-devel:ol (ELSA-2022-1759)

[159862](#) Oracle Enterprise Linux Security Update for qemu (ELSA-2022-9432)

[159880](#) Oracle Enterprise Linux Security Update for kvm_utils (ELSA-2022-9460)

[159903](#) Oracle Enterprise Linux Security Update for olcne (ELSA-2022-9492)

[159904](#) Oracle Enterprise Linux Security Update for olcne (ELSA-2022-9493)

[159906](#) Oracle Enterprise Linux Security Update for olcne (ELSA-2022-9491)

[159908](#) Oracle Enterprise Linux Security Update for olcne (ELSA-2022-9494)

[178817](#) Debian Security Update for qemu (DSA 4980-1)

[179172](#) Debian Security Update for qemu (DLA 2970-1)

[180995](#) Debian Security Update for qemu (DLA 3099-1)

[182990](#) Debian Security Update for qemu (CVE-2021-3748)

[198683](#) Ubuntu Security Notification for QEMU Vulnerabilities (USN-5307-1)

[240292](#) Red Hat Update for virt:rhel and virt-devel:rhel security (RHSA-2022:1759)

[671198](#) EulerOS Security Update for qemu (EulerOS-SA-2022-1034)

[671203](#) EulerOS Security Update for qemu (EulerOS-SA-2022-1014)

[710604](#) Gentoo Linux QEMU Multiple Vulnerabilities (GLSA 202208-27)

[751276](#) SUSE Enterprise Linux Security Update for qemu (SUSE-SU-2021:3519-1)

[751322](#) SUSE Enterprise Linux Security Update for qemu (SUSE-SU-2021:3614-1)

[751323](#) SUSE Enterprise Linux Security Update for qemu (SUSE-SU-2021:3613-1)

[751330](#) OpenSUSE Security Update for qemu (openSUSE-SU-2021:3614-1)

[751332](#) OpenSUSE Security Update for qemu (openSUSE-SU-2021:3605-1)

751334 OpenSUSE Security Update for qemu (openSUSE-SU-2021:3604-1)
751337 OpenSUSE Security Update for qemu (openSUSE-SU-2021:1461-1)
751338 SUSE Enterprise Linux Security Update for qemu (SUSE-SU-2021:3635-1)
751362 SUSE Enterprise Linux Security Update for qemu (SUSE-SU-2021:3653-1)
900773 Common Base Linux Mariner (CBL-Mariner) Security Update for qemu-kvm (9111)
901656 Common Base Linux Mariner (CBL-Mariner) Security Update for qemu (9121)
902027 Common Base Linux Mariner (CBL-Mariner) Security Update for qemu-kvm (9111-1)
902087 Common Base Linux Mariner (CBL-Mariner) Security Update for qemu (9121-1)
940525 AlmaLinux Security Update for virt:rhel and virt-devel:rhel (ALSA-2022:1759)
960314 Rocky Linux Security Update for virt:rhel and virt-devel:rhel (RLSA-2022:1759)

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