



CVE-2021-3653

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Summary

CVE	CVE-2021-3653
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2021-09-29 20:15:00 UTC
Updated	2023-05-16 10:49:00 UTC
Description	A flaw was found in the KVM's AMD code for supporting SVM nested virtualization. The flaw occurs when processing the V

Risk And Classification

Problem Types: CWE-862

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Linux	Linux Kernel	5.14	-	All	All
Operating System	Linux	Linux Kernel	5.14	rc1	All	All
Operating System	Linux	Linux Kernel	5.14	rc2	All	All
Operating System	Linux	Linux Kernel	5.14	rc3	All	All
Operating System	Linux	Linux Kernel	5.14	rc4	All	All
Operating System	Linux	Linux Kernel	5.14	rc5	All	All
Operating System	Linux	Linux Kernel	5.14	rc6	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All

References

Reference	Source	Link
1983686 – (CVE-2021-3653) CVE-2021-3653 kernel: SVM nested virtualization issue in KVM (AVIC support)	MISC	bugzilla.redhat.cc
oss-security - [CVE-2021-3653, CVE-2021-3656] SVM nested virtualization issues in KVM	MISC	www.openwall.cc
[SECURITY] [DLA 2785-1] linux-4.19 security update	MLIST	lists.debian.org
Kernel Live Patch Security Notice LSN-0083-1 ≈ Packet Storm	MISC	packetstormsecu

[SECURITY] [DLA 2843-1] linux security update	MLIST	lists.debian.org
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

159364 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9419)
159365 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9420)
159366 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9421)
159367 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9422)
159390 Oracle Enterprise Linux Security Update for kernel (ELSA-2021-3548)
159393 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9450)
159394 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9451)
159399 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9452)
159400 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9453)
159415 Oracle Enterprise Linux Security Update for kernel (ELSA-2021-3801)
159564 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel (ELSA-2021-9564)
159565 Oracle Enterprise Linux Security Update for Unbreakable Enterprise kernel-container (ELSA-2021-9565)
159727 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9245)
159729 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9244)
178809 Debian Security Update for linux (DSA 4978-1)
178844 Debian Security Update for linux-4.19 (DLA 2785-1)
178943 Debian Security Update for linux (DLA 2843-1)
180002 Debian Security Update for linux (CVE-2021-3653)
198487 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5071-1)
198491 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5070-1)
198495 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5072-1)
198497 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5073-1)
198502 Ubuntu Security Notification for Linux kernel (HWE) Vulnerabilities (USN-5071-2)

198504 Ubuntu Security Notification for Linux kernel (OEM) Vulnerabilities (USN-5082-1)
198506 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5073-2)
239637 Red Hat Update for kernel (RHSA-2021:3548)
239638 Red Hat Update for kernel-rt (RHSA-2021:3547)
239656 Red Hat Update for kernel (RHSA-2021:3676)
239675 Red Hat Update for kernel-rt (RHSA-2021:3802)
239676 Red Hat Update for kernel (RHSA-2021:3801)
239689 Red Hat Update for kernel-rt (RHSA-2021:3909)
239691 Red Hat Update for kernel (RHSA-2021:3904)
257119 CentOS Security Update for kernel (CESA-2021:3801)
281837 Fedora Security Update for kernel (FEDORA-2021-a424256622)
281838 Fedora Security Update for kernel (FEDORA-2021-33819e6b09)
352839 Amazon Linux Security Advisory for kernel: ALAS2-2021-1704
353155 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-005
353242 Amazon Linux Security Advisory for kernel : ALAC2012-2022-036
353243 Amazon Linux Security Advisory for kmod-mlx5 : ALAC2012-2022-037
353244 Amazon Linux Security Advisory for kmod-sfc : ALAC2012-2022-038
356186 Amazon Linux Security Advisory for microvm-kernel : ALASMICROVM-KERNEL-4.14-2023-003
356218 Amazon Linux Security Advisory for microvm-kernel : ALASMICROVM-KERNEL-4.14-2023-002
6140340 AWS Bottlerocket Security Update for kernel (GHSA-8cgp-qxm4-q3wm)
671137 EulerOS Security Update for kernel (EulerOS-SA-2021-2713)
671401 EulerOS Security Update for kernel (EulerOS-SA-2022-1328)
751137 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:1271-1)
751155 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3192-1)
751160 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3179-1)
751163 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3206-1)
751164 SUSE Enterprise Linux Security Update for the Linux Kernel (Live Patch 40 for SLE 12 SP3) (SUSE-SU-2021:3196-1)
751170 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3205-1)

751437 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3876-1)
751441 OpenSUSE Security Update for the Linux Kernel (openSUSE-SU-2021:3876-1)
751451 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3935-1)
751473 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3969-1)
751476 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2021:3972-1)
900346 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (5952)
901731 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (6575-1)
905994 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (5952-1)
940221 AlmaLinux Security Update for kernel (ALSA-2021:3548)
960735 Rocky Linux Security Update for kernel (RLSA-2021:3548)
960783 Rocky Linux Security Update for kernel-rt (RLSA-2021:3547)

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