CVE-2022-2153

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Summary

CVE	CVE-2022-2153
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2022-08-31 16:15:00 UTC
Updated	2022-11-21 19:45:00 UTC
Description	A flaw was found in the Linux kernel's KVM when attempting to set a SynIC IRQ. This issue makes it possible for a misbeha

Risk And Classification

Problem Types: CWE-476

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux	9.0	All	All	All

References

Reference	Source	Link
[SECURITY] [DLA 3131-1] linux security update	MLIST	lists.(
KVM: x86: Forbid VMM to set SYNIC/STIMER MSRs when SynIC wasn't activ… · torvalds/linux@b1e34d3 · GitHub	MISC	githu
KVM: x86: Check lapic_in_kernel() before attempting to set a SynIC irq · torvalds/linux@7ec37d1 · GitHub	MISC	githu
[SECURITY] [DLA 3173-1] linux-5.10 security update	MLIST	lists.(
oss-security - CVE-2022-2153: Linux Kernel: x86/kvm: NULL pointer dereference in kvm_irq_delivery_to_apic_fast	MISC	www
KVM: x86: Avoid theoretical NULL pointer dereference in kvm_irq_deliv… · torvalds/linux@00b5f37 · GitHub	MISC	githu
2069736 – (CVE-2022-2153) CVE-2022-2153 kernel: KVM: NULL pointer dereference in kvm_irq_delivery_to_apic_fast()	MISC	bugz

CVE Program record	CVE.ORG	www
NVD vulnerability detail	NVD	nvd.r

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

- 160043 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel (ELSA-2022-9709)
- 160045 Oracle Enterprise Linux Security Update for unbreakable enterprise kernel-container (ELSA-2022-9710)
- 179388 Debian Security Update for linux (CVE-2022-2153)
- 180282 Debian Security Update for linux (DLA 3065-1)
- 180605 Debian Security Update for linux (DSA 5173-1)
- 181091 Debian Security Update for linux (DLA 3131-1)
- 181190 Debian Security Update for linux-5.10 (DLA 3173-1)
- 199029 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5728-1)
- 199030 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5727-1)
- 199036 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5727-2)
- 199037 Ubuntu Security Notification for Linux kernel Vulnerabilities (USN-5728-2)
- 199051 Ubuntu Security Notification for Linux kernel (GCP) Vulnerabilities (USN-5728-3)
- 199072 Ubuntu Security Notification for Linux kernel (Azure) Vulnerabilities (USN-5774-1)
- 354053 Amazon Linux Security Advisory for kernel : ALAS2-2022-1838
- 354071 Amazon Linux Security Advisory for kernel : ALAS-2022-1636
- 354075 Amazon Linux Security Advisory for kernel : ALAS2-2022-1852
- 354081 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.4-2022-036
- 354084 Amazon Linux Security Advisory for kernel : ALAS2KERNEL-5.10-2022-020
- 377117 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX3-SA-2022:0158)
- 377766 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2022:0049)
- 377871 Alibaba Cloud Linux Security Update for cloud-kernel (ALINUX2-SA-2023:0001)
- 6140266 AWS Bottlerocket Security Update for kernel (GHSA-3rg2-x5gq-4xgg)
- 672114 EulerOS Security Update for kernel (EulerOS-SA-2022-2292)
- 672139 EulerOS Security Update for kernel (EulerOS-SA-2022-2428)

672158 EulerOS Security Update for kernel (EulerOS-SA-2022-2415)

752813 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3930-1)

752839 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3929-1)

752880 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4053-1)

752889 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3897-1)

752911 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:3998-1)

752913 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4072-1)

752944 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4273-1)

752959 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4272-1)

753038 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4573-1)

753039 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4574-1)

753051 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4589-1)

753060 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4615-1)

753063 SUSE Enterprise Linux Security Update for the Linux Kernel (SUSE-SU-2022:4617-1)

903738 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10801)

903804 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10794)

904088 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10801-1)

904148 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10794-1)

905932 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10801-2)

906364 Common Base Linux Mariner (CBL-Mariner) Security Update for kernel (10794-2)