



RHSA-2024:2758 - Security Advisory

Issued: 2024-05-08

Updated: 2024-05-08

Overview	Updated Packages
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Synopsis

Moderate: kernel security and bug fix update

Type/Severity

Security Advisory: Moderate

Red Hat Insights patch analysis

Identify and remediate systems affected by this advisory.

View affected systems

Topic

An update for kernel is now available for Red Hat Enterprise Linux 9.

Red Hat Product Security has rated this update as having a security impact of Moderate. A Common Vulnerability Scoring System (CVSS) base score, which gives a detailed severity rating, is available for each vulnerability from the CVE link(s) in the References section.

Description

The kernel packages contain the Linux kernel, the core of any Linux operating system.

Security Fix(es):

- kernel: Marvin vulnerability side-channel leakage in the RSA decryption operation (CVE-2023-6240)
- CVE-2024-25743 hw: amd: Instruction raise #VC exception at exit (AMD-SN-3008,CVE-2024-25742,CVE-2024-25743)

Bug Fix(es):

- ffdhe* algorithms introduced in 0a2e5b909023 as .fips_allowed=1 lack pairwise consistency tests (JIRA:RHEL-27009)
- mm/mglru: fix underprotected page cache (JIRA:RHEL-29235)
- [EMR] [TBOOT OS] SUT could not go to S3 state with RHEL 9.2 Tboot OS One CPU return -16 running BUSY (JIRA:RHEL-29673)
- system hangs completely - NMI not possible (JIRA:RHEL-30678)
- ice 0000:6f:00.0: PTP failed to get time (JIRA:RHEL-30110)

Solution

For details on how to apply this update, which includes the changes described in this advisory, refer to:

<https://access.redhat.com/articles/11258> 

The system must be rebooted for this update to take effect.

Affected Products

- Red Hat Enterprise Linux for x86_64 9 x86_64
- Red Hat Enterprise Linux for x86_64 - Extended Update Support 9.4 x86_64
- Red Hat Enterprise Linux Server - AUS 9.4 x86_64
- Red Hat Enterprise Linux for IBM z Systems 9 s390x
- Red Hat Enterprise Linux for IBM z Systems - Extended Update Support 9.4 s390x
- Red Hat Enterprise Linux for Power, little endian 9 ppc64le
- Red Hat Enterprise Linux for Real Time 9 x86_64
- Red Hat Enterprise Linux for Power, little endian - Extended Update Support 9.4 ppc64le
- Red Hat Enterprise Linux for Real Time for NFV 9 x86_64
- Red Hat Enterprise Linux for ARM 64 9 aarch64
- Red Hat Enterprise Linux for ARM 64 - Extended Update Support 9.4 aarch64
- Red Hat Enterprise Linux Server for Power LE - Update Services for SAP Solutions 9.4 ppc64le
- Red Hat Enterprise Linux for x86_64 - Update Services for SAP Solutions 9.4 x86_64
- Red Hat CodeReady Linux Builder for x86_64 9 x86_64
- Red Hat CodeReady Linux Builder for Power, little endian 9 ppc64le
- Red Hat CodeReady Linux Builder for ARM 64 9 aarch64
- Red Hat CodeReady Linux Builder for IBM z Systems 9 s390x
- Red Hat CodeReady Linux Builder for x86_64 - Extended Update Support 9.4 x86_64
- Red Hat CodeReady Linux Builder for Power, little endian - Extended Update Support 9.4 ppc64le
- Red Hat CodeReady Linux Builder for IBM z Systems - Extended Update Support 9.4 s390x
- Red Hat CodeReady Linux Builder for ARM 64 - Extended Update Support 9.4 aarch64
- Red Hat Enterprise Linux for ARM 64 - 4 years of updates 9.4 aarch64
- Red Hat Enterprise Linux for IBM z Systems - 4 years of updates 9.4 s390x
- Red Hat Enterprise Linux for Real Time for x86_64 - 4 years of updates 9.4 x86_64
- Red Hat Enterprise Linux for Real Time for NFV for x86_64 - 4 years of updates 9.4 x86_64

Fixes

- BZ - 2250843 [↗](#) - CVE-2023-6240 kernel: Marvin vulnerability side-channel leakage in the RSA decryption operation
- BZ - 2270836 [↗](#) - CVE-2024-25742 CVE-2024-25743 hw: amd: Instruction raise #VC exception at exit

CVEs

- CVE-2023-6240 [↗](#)
- CVE-2024-25742 [↗](#)
- CVE-2024-25743 [↗](#)

References

- <https://access.redhat.com/security/updates/classification/#moderate> [↗](#)

The Red Hat security contact is secalert@redhat.com. More contact details at <https://access.redhat.com/security/team/contact/>.



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