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Security Bulletin

Red Hat Security Advisories: kernel security update - RHSA-2025_17377

Author(s)	:	**Eviden PSIRT**
Reference	:	**PSIRT-4646**
Created	:	**14 October 2025**
Version	:	**0.1**
Status	:	**Neutralization**
TLP Classification	:	**CLEAR**
Document date	:	**14 October 2025**
Keywords	:	**CVE-2024-50301 CVE-2025-38351 CVE-2025-39761**

TLP:CLEAR

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List of changes

Version	Date	Description
0.1	2025/10/14	Initial Eviden version

Executive summary

Red Hat has released a set of security advisories addressing several vulnerabilities in the Linux kernel. The update includes important security fixes designed to protect systems from potential exploits. Users are strongly advised to apply the kernel update promptly to maintain system integrity and prevent unauthorized access.

CVE-2024-50301 – score 7.1

In the Linux kernel, the following vulnerability has been resolved: security/keys: fix slab-out-of-bounds in key_task_permission KASAN reports an out of bounds read: BUG: KASAN: slab-out-of-bounds in __kuid_val include/linux/uidgid.h:36 BUG: KASAN

CVE-2025-38351 – score N/A

In the Linux kernel, the following vulnerability has been resolved: KVM: x86/hyper-v: Skip non-canonical addresses during PV TLB flush In KVM guests with Hyper-V hypercalls enabled, the hypercalls HVCALL_FLUSH_VIRTUAL_ADDRESS_LIST and HVCALL_FLUSH_VIRTUAL_ADDRESS_LIST_EX allow a guest to request invalidation of portions of a virtual TLB. For this, the hypercall parameter includes a list of GVAs that are supposed to be invalidated.

CVE-2025-39761 – score N/A

In the Linux kernel, the following vulnerability has been resolved: wifi: ath12k: Decrement TID on RX peer frag setup error handling Currently, TID is not decremented before peer cleanup, during error handling path of ath12k_dp_rx_peer_frag_setup(). This could lead to out-of-bounds access in peer->rx_tid[]. Hence, add a decrement operation for TID, before peer cleanup to ensures proper cleanup and prevents out-of-bounds access issues when the RX peer frag setup fails. Found during code review. Compile tested only.

RHSA-2025_17377

RHSA-2025_17377	Red Hat Security Advisory: kernel security update
CVE	CVE-2024-50301 CVE-2025-38351 CVE-2025-39761
Summary	**An update for kernel is now available for Red Hat Enterprise Linux 9.**
Description	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. The kernel packages contain the Linux kernel, the core of any Linux operatin gsystem. Security Fix(es): • kernel: security/keys: fix slab-out-of-bounds in key_task_permission (CVE-2024-50301) • kernel: KVM: x86/hyper-v: Skip non-canonical addresses during PV TLB flush (CVE-2025-38351) • kernel: wifi: ath12k: Decrement TID on RX peer frag setup error handling (CVE-2025-39761)

Affected products

Linux Kernels used in all Eviden products are updated on a regular basis to guarantee that they are not older than 6 month when products are released.

Although Eviden tries to provide accurate and complete information, Eviden shall not be liable if the above table is incomplete or erroneous. During its vulnerability analysis process, the information in this document is subject to change without notice to reflect new results of this analysis.

Recommendations

Using uname -r you can check the current running kernel version. The version provided by this patch is kernel-5.14.0-570.51.1.el9_6. Recommendation is to check that running kernel version is at least this level.

Available Vendor Patches

It is highly recommended to apply the latest kernel security patches released by Red Hat without delay. These updates contain critical fixes that address vulnerabilities which could be exploited by attackers. Prompt installation of these patches helps ensure your systems remain secure and stable. Regularly updating your systems with Red Hat's security fixes is essential for maintaining a strong defense against potential threats.

Available Workarounds

No workaround is available.

Available Mitigations

No mitigation identified.

Available Exploits/PoC

Eviden is not aware of any exploitation of the reported vulnerabilities.

References

1. https://access.redhat.com/errata/RHSA-2025:17377

Glossary of terms

Term	Description
Mitigation	Refers to a setting, common configuration, or general best-practice, existing in a default state that could reduce the severity of exploitation of a vulnerability
Neutralization	The neutralization phase is the decision-making process during which the risk posed by an incident is evaluated.
PoC	Proof of Concept
Remediation	The remediation phase ends with the delivering of a qualified solution/update fixing the vulnerability without regression.
TI	Threat Intelligence
TLP	Traffic Light Protocol (TLP) FIRST Standards Definitions and Usage Guidance — Version 2.0. https://www.first.org/tlp/
Workaround	Refers to a setting or configuration change that does not correct the underlying vulnerability but would help block known attack vectors before you apply the update

About this document

Eviden continuously monitors the security of its products. This Security Bulletin is shared under the constraints of the FIRST Traffic Light Protocol version 2.0 (TLP) to bring the attention of owners of the potentially affected Eviden products. Eviden recommends that all product owners determine whether the described situation is applicable to their individual case and take appropriate action.

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- Neutralization security bulletins are numbered 0.x
- Privately disclosed Remediation security bulletins are numbered 1.x
- Publicly disclosed Remediation security bulletins are numbered 2.x

Updated versions of this document can be found on:

- https://support.bull.com/ols/product/security/psirt

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