



Red Hat Product Errata    RHSA-2024:6964 - Security Advisory

# RHSA-2024:6964 - Security Advisory

Issued: 2024-09-24    Updated: 2024-09-24

[Overview](#)[Updated Packages](#)

## Synopsis

Moderate: virt:rhel and virt-devel:rhel security update

## Type/Severity

Security Advisory: Moderate

### Red Hat Lightspeed patch analysis

Identify and remediate systems affected by this advisory.

[View affected systems](#) 

## Topic

An update for the virt:rhel and virt-devel:rhel module is now available for Red Hat Enterprise Linux 8.

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

Kernel-based Virtual Machine (KVM) offers a full virtualization solution for Linux on numerous hardware platforms. The virt:rhel module contains packages which provide user-space components used to run virtual machines using KVM. The packages also provide APIs for managing and interacting with the virtualized systems.

Security Fix(es):

- QEMU: virtio: DMA reentrancy issue leads to double free vulnerability (CVE-2024-3446)
- QEMU: Denial of Service via Improper Synchronization in QEMU NBD Server During Socket Closure (CVE-2024-7409)
- libnbd: NBD server improper certificate validation (CVE-2024-7383)

For more details about the security issue(s), including the impact, a CVSS score, acknowledgments, and other related information, refer to the CVE page(s) listed in the References section.

## 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> 

## Affected Products

- Red Hat Enterprise Linux for x86\_64 8 x86\_64
- Red Hat Enterprise Linux for IBM z Systems 8 s390x
- Red Hat Enterprise Linux for Power, little endian 8 ppc64le
- Red Hat Enterprise Linux for ARM 64 8 aarch64
- Red Hat CodeReady Linux Builder for x86\_64 8 x86\_64
- Red Hat CodeReady Linux Builder for Power, little endian 8 ppc64le
- Red Hat CodeReady Linux Builder for ARM 64 8 aarch64
- Red Hat CodeReady Linux Builder for IBM z Systems 8 s390x
- Red Hat Enterprise Linux for x86\_64 - Extended Life Cycle 8.10 x86\_64
- Red Hat Enterprise Linux for ARM 64 - Extended Life Cycle 8.10 aarch64
- Red Hat Enterprise Linux for Power, little endian - Extended Life Cycle 8.10 ppc64le
- Red Hat Enterprise Linux for IBM z Systems - Extended Life Cycle 8.10 s390x

## Fixes

- [BZ - 2274211](#)  - CVE-2024-3446 QEMU: virtio: DMA reentrancy issue leads to double free vulnerability

- [BZ - 2302487](#) - CVE-2024-7409 QEMU: Denial of Service via Improper Synchronization in QEMU NBD Server During Socket Closure
- [BZ - 2302865](#) - CVE-2024-7383 libnbd: NBD server improper certificate validation

## CVEs

- [CVE-2024-3446](#)
- [CVE-2024-7383](#)
- [CVE-2024-7409](#)

## References

- <https://access.redhat.com/security/updates/classification/#moderate>

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



The image shows a dark-themed navigation menu for Red Hat. At the top left is the Red Hat logo (a red hat) and the text "Red Hat". To the right are social media icons for LinkedIn, YouTube, Facebook, and X. Below these are four menu items, each with a downward-pointing chevron: "Quick Links", "Help", "Site Info", and "Related Sites".

✓ All systems operational



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