



CVE-2022-4172

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

| | |
|------------------------|---|
| CVE | CVE-2022-4172 |
| State | PUBLIC |
| Assigner | secalert@redhat.com |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2022-11-29 18:15:00 UTC |
| Updated | 2023-11-07 03:57:00 UTC |
| Description | An integer overflow and buffer overflow issues were found in the ACPI Error Record Serialization Table (ERST) device of Q |

Risk And Classification

Problem Types: CWE-120

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|-------------------------------|------------------------|---------|--------|---------|----------|
| Operating System | Fedoraproject | Fedora | 37 | All | All | All |
| Application | Qemu | Qemu | 7.0.0 | - | All | All |

References

| Reference | Source | Link | Ta |
|---|---------|---|----|
| [PATCH v2] hw/acpi/erst.c: Fix memory handling issues - Christian A. Ehrhardt | | lore.kernel.org | |
| erst: undefined-behavior in memcpy in write_erst_record (#1268) · Issues · QEMU / QEMU · GitLab | MISC | gitlab.com | |
| hw/acpi/erst.c: Fix memory handling issues (defb7098) · Commits · QEMU / QEMU · GitLab | MISC | gitlab.com | |
| [PATCH v2] hw/acpi/erst.c: Fix memory handling issues - Christian A. Ehrhardt | MISC | lore.kernel.org | |
| [SECURITY] Fedora 37 Update: qemu-7.0.0-12.fc37 - package-announce - Fedora Mailing-Lists | FEDORA | lists.fedoraproject.org | |
| [SECURITY] Fedora 37 Update: qemu-7.0.0-12.fc37 - package-announce - Fedora Mailing-Lists | | lists.fedoraproject.org | |
| CVE-2022-4172 QEMU Vulnerability in NetApp Products NetApp Product Security | CONFIRM | security.netapp.com | |
| CVE Program record | CVE.ORG | www.cve.org | ca |
| NVD vulnerability detail | NVD | nvd.nist.gov | ca |

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[160408](#) Oracle Enterprise Linux Security Update for qemu (ELSA-2023-12065)

[160453](#) Oracle Enterprise Linux Security Update for virt:kvm_utils (ELSA-2023-12108)

[160507](#) Oracle Enterprise Linux Security Update for virt:kvm_utils2 (ELSA-2023-12195)

[160590](#) Oracle Enterprise Linux Security Update for qemu-kvm (ELSA-2023-2162)

[199428](#) Ubuntu Security Notification for QEMU Vulnerabilities (USN-6167-1)

[241416](#) Red Hat Update for qemu-kvm security (RHSA-2023:2162)

[283510](#) Fedora Security Update for qemu (FEDORA-2022-22b1f8dae2)

[941043](#) AlmaLinux Security Update for qemu-kvm (ALSA-2023:2162)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)