

[Red Hat Product Errata](#) [RHSA-2025:0381 - Security Advisory](#)

RHSA-2025:0381 - Security Advisory

Issued: 2025-01-16

Updated: 2025-09-22

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

Synopsis

Important: .NET 8.0 security update

Type/Severity

Security Advisory: Important

Red Hat Lightspeed patch analysis

Identify and remediate systems affected by this advisory.

[View affected systems](#) 

Topic

An update for .NET 8.0 is now available for Red Hat Enterprise Linux 8.

Red Hat Product Security has rated this update as having a security impact of Important. 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

.NET is a managed-software framework. It implements a subset of the .NET framework APIs and several new APIs, and it includes a CLR implementation.

New versions of .NET that address a security vulnerability are now available. The updated versions are .NET SDK 8.0.112 and .NET Runtime 8.0.112.

Security Fix(es):

- dotnet: .NET Elevation of Privilege Vulnerability (CVE-2025-21173)
- dotnet: .NET, .NET Framework, and Visual Studio Remote Code Execution Vulnerability (CVE-2025-21176)
- dotnet: .NET and Visual Studio Remote Code Execution Vulnerability (CVE-2025-21172)

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 - 2337893](#)  - CVE-2025-21173 dotnet: .NET Elevation of Privilege Vulnerability
- [BZ - 2337926](#)  - CVE-2025-21176 dotnet: .NET, .NET Framework, and Visual Studio Remote Code Execution Vulnerability

- [BZ - 2337927](#) - CVE-2025-21172 dotnet: .NET and Visual Studio Remote Code Execution Vulnerability

CVEs

- [CVE-2024-11831](#)
- [CVE-2025-21172](#)
- [CVE-2025-21173](#)
- [CVE-2025-21176](#)


References

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

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



The image shows a dark-themed navigation bar for the Red Hat website. On the left is the Red Hat logo, which consists of a red fedora hat icon and the text "Red Hat" in white. On the right side of the bar are four social media icons: LinkedIn, YouTube, Facebook, and X. Below the logo and icons is a vertical list of four menu items: "Quick Links", "Help", "Site Info", and "Related Sites". Each menu item is followed by a white downward-pointing chevron icon, indicating that these are expandable sections.

 Partial system outage



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