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# 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](mailto: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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