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Descri

Clearing your browser cookies may delete your cookie preferences. If you re-visit this site after clearing browser cookies, you will need to reset your preferences at that time. If you have set your browser's global privacy settings, then we recognize the global privacy settings from your browser.

A flaw wa
applicati

ner Java

requests

thout

rejection, enabling attackers to poison caches, perform internal network scans, or hijack user sessions.

Statement

This vulnerability has an Important severity because it can be remotely exploited without authentication. However, limited user interaction is required for full impact. It could allow attackers to hijack additional accounts, steal credentials, or gain access to internal systems. The issue stems from improper input validation of HTTP Host headers, leading to serious breaches in confidentiality and integrity.

Mitigation

Mitigation for this issue is either not available or the currently available options do not meet the Red Hat Product Security criteria comprising ease of use, applicability, or stability.

Additional information

- Bugzilla 2408784: undertow-core: Undertow HTTP Server Fails to Reject Malformed Host Headers Leading to Potential Cache Poisoning and SSRF
- CWE-20: Improper Input Validation

External references

- <https://www.cve.org/CVERecord?id=CVE-2025-12543>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-12543>

Affected Packages and Issued Red Hat Security Errata

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Products / Services

Red Hat JBoss Enterprise Application Platform 8.1

Components

undertow-core

State

Fixed

Justification

None

Errata

[RHSA-2026:0386](#)

Release Date

January 8, 2026

Products / Services

Red Hat JBoss Enterprise Application Platform 8.1 for RHEL 8

Components

eap8-apache-cxf

State

Fixed

Justification

None

Errata[RHSA-2026:0383](#)**Release Date**

January 8, 2026

Products / Services

Red Hat JBoss Enterprise Application Platform 8.1 for RHEL 8



1-10 of 37



Unless explicitly stated as not affected, all previous versions of packages in any minor update stream of a product listed here should be assumed vulnerable, although may not have been subject to full analysis.

Common Vulnerability Scoring System (CVSS) Score Details

Important note

CVSS scores for open source components depend on vendor-specific factors (e.g. version or build chain). Therefore, Red Hat's score and impact rating can be different from NVD and other vendors. Red Hat remains the authoritative CVE Naming Authority (CNA) source for its products and services (see Red Hat classifications).

CVSS v3 Score Breakdown

	Red Hat	NVD
CVSS v3 Base Score	9.6	N/A
Attack Vector	Network	N/A
Attack Complexity	Low	N/A
Privileges Required	None	N/A
User Interaction	Required	N/A

	Red Hat	NVD
Scope	Changed	N/A
Confidentiality Impact	High	N/A
Integrity Impact	High	N/A
Availability Impact	Low	N/A

CVSS v3 Vector

Red Hat: CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:L

Acknowledgements

Red Hat would like to thank Ahmet Artuç for reporting this issue.

Frequently Asked Questions

Why is Red Hat's CVSS v3 score or Impact different from other vendors? >

My product is listed as "Under investigation" or "Affected", when will Red Hat release a fix for this vulnerability? >

What can I do if my product is listed as "Will not fix"? >

What can I do if my product is listed as "Fix deferred"? >

What is a mitigation? >

I have a Red Hat product but it is not in the above list, is it affected? >



Why is my security scanner reporting my product as vulnerable to this vulnerability even though my product version is fixed or not affected? >


Not sure what something means? Check out our [Security Glossary](#).


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