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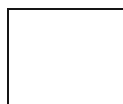
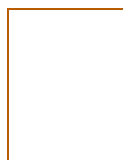


CVE

VEX [↗](#)

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A cookie is a small amount of data that is sent to your browser from a web server and stored on your device. The cookie may be placed by Red Hat or by an authorized third party.

When you use this site, Red Hat uses cookies and other technologies which are necessary to enable the basic features of the site to function (Required cookies). Subject to your preferences, Red Hat and its authorized partners may also use cookies to analyze your use of the website to evaluate and improve our performance, to improve our service to you and to personalize your experience (Functional cookies) as well as advertising cookies to show you ads that are more relevant to you (Advertising cookies). We honor the preferences you select.

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Descri

Accept default will keep your preferences set to accept all cookies (Required, Functional and Advertising), which enables us to provide you a personalized web experience and more relevant ads on third party websites. This means that you allow our partners to collect and use this data.

FAQ

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Required Cookies only will set your cookie preferences to "Required Cookies" only. This will prevent our partners from collecting and using this data but may also prevent us from providing you a personalized web experience and more relevant ads on third party websites. Cookie preferences will provide further information and allow you to customize your cookie settings. Setting your cookie preferences to "Required Cookies only" will opt you out of "sales" and "targeted advertising".

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Mitig:

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

To mitigate this vulnerability, configure Keycloak to reject client-initiated TLS renegotiation by adding the following Java system property to the Keycloak startup configuration:

```
-Djdk.tls.rejectClientInitiatedRenegotiation=true
```

This prevents unauthenticated attackers from triggering repeated TLS renegotiations and exhausting server CPU resources.

Additionally, ensure that Keycloak is deployed behind proper network access controls and rate-limiting mechanisms to further reduce exposure to DoS attacks.

Additional information

- Bugzilla 2402142: keycloak: Keycloak TLS Client-Initiated Renegotiation Denial of Service
- CWE-770: Allocation of Resources Without Limits or Throttling

External references

- <https://www.cve.org/CVERecord?id=CVE-2025-11419>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-11419>
- <https://github.com/keycloak/keycloak/discussions/25209>
- <https://github.com/keycloak/keycloak/issues/43020>

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	CVE List
CVSS v3 Base Score	7.5	N/A	N/A

	Red Hat	NVD	CVE List
Attack Vector	Network	N/A	N/A
Attack Complexity	Low	N/A	N/A
Privileges Required	None	N/A	N/A
User Interaction	None	N/A	N/A
Scope	Unchanged	N/A	N/A
Confidentiality Impact	None	N/A	N/A
Integrity Impact	None	N/A	N/A
Availability Impact	High	N/A	N/A

CVSS v3 Vector

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

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?	▼

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Last modified: April 20, 2026 at 5:46:02 PM UTC

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