



CVE-2025-8419

VEX [↗](#)

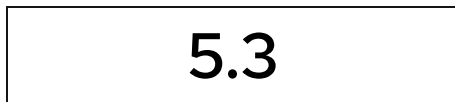
Public on August 6, 2025

Last modified: January 8, 2026 at 2:59:48 AM UTC



Moderate severity

[What does this mean?](#)



[CVSS v3 Score Breakdown](#)

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Description	Mitigation	Additional information	Affected Packages	CVSS Score Details	Weakness (CWE)	FAQ
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Description

A vulnerability was found in Keycloak-services. Special characters used during e-mail registration may perform SMTP Injection and unexpectedly send short unwanted e-mails. The email is limited to 64 characters (limited local part of the email), so the attack is limited to very shorts emails (subject and little data, the example is 60 chars). This flaw's only direct consequence is an unsolicited email being sent from the Keycloak server. However, this action could be a precursor for more sophisticated attacks.

Mitigation

Currently, no mitigation is available for this vulnerability.

Additional information

- Bugzilla 2385776: org.keycloak/keycloak-services: Keycloak SMTP Inject Vulnerability
- CWE-93: Improper Neutralization of CRLF Sequences ('CRLF Injection')

External references

- <https://www.cve.org/CVERecord?id=CVE-2025-8419>
- <https://nvd.nist.gov/vuln/detail/CVE-2025-8419>

Affected Packages and Issued Red Hat Security Errata

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Errata ▼ [Clear all](#)

Products / Services

Red Hat build of Keycloak 26.0

Components

org.keycloak/keycloak-services

State

Fixed

Justification

None

Errata

[RHSA-2025:15336](#)

Release Date

September 4, 2025

Products / Services

Red Hat build of Keycloak 26.0

Components

rhub/keycloak-operator-bundle

State

Fixed

Justification

None

Errata[RHSA-2025:15337](#)**Release Date**

September 4, 2025

Products / Services

Red Hat build of Keycloak 26.0



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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	5.3	5.3
Attack Vector	Network	Network
Attack Complexity	Low	Low
Privileges Required	None	None
User Interaction	None	None
Scope	Unchanged	Unchanged
Confidentiality Impact	None	None
Integrity Impact	Low	Low
Availability Impact	None	None

CVSS v3 Vector

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

NVD: CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:N/I:L/A:N

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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