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# org.keycloak:keycloak-services has Inefficient Regular Expression Complexity

**High severity** GitHub Reviewed Published on Nov 25, 2024 in [keycloak/keycloak](#) • Updated on Dec 18, 2024

[Vulnerability details](#)[Dependabot alerts](#) 0

## Package

 **org.keycloak:keycloak-services** ([Maven](#))

### Affected versions

< 24.0.9

>= 25.0.0, < 26.0.6

### Patched versions

24.0.9

26.0.6

## Description

A vulnerability was found in the Keycloak-services package. If untrusted data is passed to the SearchQueryUtils method, it could lead to a denial of service (DoS) scenario by exhausting system resources due to a Regex complexity.

## References

- [GHSA-wq8x-cg39-8mrr](#)
- <https://nvd.nist.gov/vuln/detail/CVE-2024-10270>
- [keycloak/keycloak@ 5d6c91f](#)
- <https://access.redhat.com/errata/RHSA-2024:10175>
- <https://access.redhat.com/errata/RHSA-2024:10176>
- <https://access.redhat.com/errata/RHSA-2024:10177>
- <https://access.redhat.com/errata/RHSA-2024:10178>
- <https://access.redhat.com/security/cve/CVE-2024-10270>
- [https://bugzilla.redhat.com/show\\_bug.cgi?id=2321214](https://bugzilla.redhat.com/show_bug.cgi?id=2321214)



**jonkoops** published to [keycloak/keycloak](#) on Nov 25, 2024



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### Severity

**High** 7.1 / 10

#### CVSS v4 base metrics

##### Exploitability Metrics

Attack Vector	Network
Attack Complexity	Low
Attack Requirements	None
Privileges Required	Low
User interaction	None

##### Vulnerable System Impact Metrics

Confidentiality	None
Integrity	None
Availability	High

##### Subsequent System Impact Metrics

Confidentiality	None
Integrity	None
Availability	None

[Learn more about base metrics](#)

CVSS:4.0/AV:N/AC:L/AT:N/PR:L/UI:N/VC:N/VI:N/VA:H/SC:N/SI:N/SA:N

### EPSS score

0.088% (25th percentile)

### Weaknesses

► CWE-1333

### CVE ID

CVE-2024-10270

### GHSA ID

GHSA-wq8x-cg39-8mrr

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### Source code

[keycloak/keycloak](#)

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### Credits



**AdamKorcz**

Reporter

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See something to contribute? [Suggest improvements for this vulnerability.](#)