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SmallRye Fault Tolerance out-of-memory (OOM) issue

High severity GitHub Reviewed Published on Mar 12, 2025 to the GitHub Advisory Database • Updated on May 21, 2025

Vulnerability details

Dependabot alerts 0

Package

 **io.smallrye:smallrye-fault-tolerance-core** ([Maven](#))

Affected versions

>= 6.3.0, < 6.4.2

>= 6.5.0, < 6.9.0

Patched versions

6.4.2

6.9.0

Description

A flaw was found in Smallrye, where smallrye-fault-tolerance is vulnerable to an out-of-memory (OOM) issue. This vulnerability is externally triggered when calling the metrics URI. Every call creates a new object within meterMap and may lead to a denial of service (DoS) issue.

References

- <https://nvd.nist.gov/vuln/detail/CVE-2025-2240>
- <https://access.redhat.com/security/cve/CVE-2025-2240>
- https://bugzilla.redhat.com/show_bug.cgi?id=2351452
- [smallrye/smallrye-fault-tolerance@ e8bcad3](#)
- [smallrye/smallrye-fault-tolerance#985](#)
- <https://github.com/smallrye/smallrye-fault-tolerance/pull/985/files#diff-88c4a089e0cb88e4bdf285490e2617c29b9979a778e33957e4448260e286b91aR299>
- <https://smallrye.io/blog/fault-tolerance-6-9-0>
- <https://access.redhat.com/errata/RHSA-2025:3376>
- <https://access.redhat.com/errata/RHSA-2025:3541>
- <https://access.redhat.com/errata/RHSA-2025:3543>



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Severity

High 7.5 / 10

CVSS v3 base metrics

Attack vector	Network
Attack complexity	Low
Privileges required	None
User interaction	None
Scope	Unchanged
Confidentiality	None
Integrity	None
Availability	High

[Learn more about base metrics](#)

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

EPSS score

0.344% (57th percentile)

Weaknesses

► CWE-1325

CVE ID

CVE-2025-2240

GHSA ID

GHSA-gfh6-3pqw-x2j4

Source code

[smallrye/smallrye-fault-tolerance](#)

Credits



claudio4j

Analyst

This advisory has been edited. [See History](#).

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