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Zipkin remote endpoint cache could grow without bounds and increase memory pressure

Moderate arminru published [GHSA-88hf-wf7h-7w4m](#) last week

Package

 **OpenTelemetry.Exporter.Zipkin** ([NuGet](#))

Affected versions

<= 1.15.2

Patched versions

1.15.3

Description

Summary

The Zipkin exporter remote endpoint cache accepted unbounded key growth derived from span attributes. In high-cardinality scenarios, this could increase process memory usage over time and degrade availability.

Details

- Introduce a bounded, thread-safe LRU cache for remote endpoints.
- Enforce fixed maximum size to prevent unbounded growth.

Impact

- A process using Zipkin export for client/producer spans could experience avoidable memory growth under sustained unique remote endpoint values.

References

[#7081](#)

Severity

Moderate 5.3 / 10

CVSS v3 base metrics

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

[Learn more about base metrics](#)

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

CVE ID

CVE-2026-41310

Weaknesses

- ▶ CWE-400
- ▶ CWE-770

Credits



Kielek

Remediation developer



martincostello

Remediation reviewer



arminru

Coordinator