



## APACHE CAMEL SECURITY ADVISORY · CVE-2026-33454

Q Search

### SEVERITY

HIGH

### SUMMARY

Camel-Mail Message Header Injection via Improper Filtering

### VERSIONS AFFECTED

From 3.0.0 before 4.14.6, from 4.15.0 before 4.18.1.

### VERSIONS FIXED

4.14.6, 4.18.1 and 4.19.0

### DESCRIPTION

The Camel-Mail component is vulnerable to Camel message header injection. The custom header filter strategy used by the component (MailHeaderFilterStrategy) only filters the 'out' direction via `setOutFilterStartsWith`, while it does not configure the 'in' direction via `setInFilterStartsWith`. As a result, when a Camel application consumes mail through camel-mail (for example via `from("imap://...")` or `from("pop3://...")`) the inbound filter check is skipped and Camel-prefixed MIME headers are mapped unfiltered into the Exchange. An attacker who can deliver an email to a mailbox monitored by such a consumer can inject Camel-specific headers that, for some Camel components downstream of the mail consumer (such as camel-bean, camel-exec, or camel-sql), can alter the behaviour of the route. This is the same pattern that was previously addressed in camel-undertow (CVE-2025-30177) and the broader incoming-header filter (CVE-2025-27636 and CVE-2025-29891).

### NOTES

The JIRA ticket: <https://issues.apache.org/jira/browse/CAMEL-23222> refers to the various commits that resolved the issue, and have more details. This CVE is related to CVE-2025-27636, CVE-2025-29891 and CVE-2025-30177.

### MITIGATION

Users are recommended to upgrade to version 4.19.0, which fixes the issue. If users are on the 4.18.x LTS releases stream, then they are suggested to upgrade to 4.18.1. If users are on the 4.14.x LTS releases stream, then they are suggested to upgrade to 4.14.6.

### CREDIT

This issue was discovered and reported by Hyunwoo Kim (@v4bel)

### REFERENCES

PGP signed advisory data: [CVE-2026-33454.txt.asc](#)

Mitre CVE Entry: <https://www.cve.org/CVERecord?id=CVE-2026-33454>

[Edit this Page](#)

[Back to top](#)



## Overview

- [Blog](#)
- [Documentation](#)
- [Community](#)
- [Download](#)

## Documentation

- [User Manual](#)
- [Components](#)
- [Camel-K](#)
- [Camel Kafka Connector](#)
- [Camel Quarkus](#)
- [Camel Spring Boot](#)
- [Camel Karaf](#)
- [FAQ](#)

## Community

- [Support](#)
- [Contributing](#)
- [Mailing Lists](#)
- [User stories](#)
- [Articles](#)
- [Books](#)
- [Team](#)

## About

- [Acknowledgments](#)
- [Apache Events](#)
- [License](#)
- [Security](#)
- [Sponsorship](#)
- [Thanks](#)

© 2004-2026 The [Apache Software Foundation](#).

Apache Camel, Camel, Apache, the Apache feather logo, and the Apache Camel project logo are trademarks of The Apache Software Foundation. All other marks mentioned may be trademarks or registered trademarks of their respective owners.

---

[PRIVACY POLICY](#) • [CODE OF CONDUCT](#) • [SITEMAP](#)

