

Spring Security Advisories

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This page lists Spring advisories.

CVE-2025-41235: Spring Cloud Gateway Server Forwards Headers from Untrusted Proxies

HIGH | MAY 27, 2025 | CVE-2025-41235

Description

Spring Cloud Gateway Server forwards the `X-Forwarded-For` and `Forwarded` headers from untrusted proxies.

Affected Spring Products and Versions

Spring Cloud Gateway Server:

- 2.2.10.RELEASE - 4.2.2, 4.3.0-{M1, M2, RC1}

Spring Cloud Gateway Server MVC:

...

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Reporting a vulnerability

To report a security vulnerability for a project within the Spring portfolio, see the [Security Policy](#)

CVE-2025-41232: Spring Security authorization bypass for method security annotations on private methods

MEDIUM | MAY 19, 2025 | CVE-2025-41232

Description

Spring Security Aspects may not correctly locate method security annotations on private methods. This can cause an authorization bypass.

Your application may be affected by this if the following are true:

- You are using `@EnableMethodSecurity(mode=ASPECTJ)` and `spring-security-aspects`, and
- You have Spring Security method annotations on a private method

...

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CVE-2025-22233: Spring Framework DataBinder Case Sensitive Match Exception (2nd update)

LOW | MAY 15, 2025 | CVE-2025-22233

Description

[CVE-2024-38820](#) ensured Locale-independent, lowercase conversion for both the configured `disallowedFields` patterns and for request parameter names. However, there are still cases where it is possible to bypass the `disallowedFields` checks.

Affected...

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CVE-2025-22235: Spring Boot EndpointRequest.to() creates wrong matcher if actuator endpoint is not exposed

MEDIUM | APRIL 24, 2025 | CVE-2025-22235

Description

`EndpointRequest.to()` creates a matcher for `null/**` if the actuator endpoint, for which the `EndpointRequest` has been created, is disabled or not exposed.

Your application may be affected by this if all the following conditions are met:

- You use Spring Security
- `EndpointRequest.to()` has been used in a Spring Security chain configuration
- The endpoint which `EndpointRequest` references is disabled or not exposed via web
- Your application handles requests to `/null` and this path needs protection

...

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CVE-2025-22234: Spring Security BCryptPasswordEncoder maximum password length breaks timing attack mitigation

MEDIUM | APRIL 22, 2025 | CVE-2025-22234

Description

The fix applied in [CVE-2025-22228](#) inadvertently broke the timing attack mitigation implemented in [DaoAuthenticationProvider](#).

Affected Spring Products and Versions

Spring Security:

- 5.7.16 only
- 5.8.18 only
- 6.0.16 only
- 6.1.14 only
- 6.2.10 only
- 6.3.8 only
- 6.4.4 only
- Older, unsupported versions are also affected
- ...

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CVE-2025-22232: Spring Cloud Config Server May Not Use Vault Token Sent By Clients

MEDIUM | APRIL 07, 2025 | CVE-2025-22232

Description

Spring Cloud Config Server may not use Vault token sent by clients using a [X-CONFIG-TOKEN](#) header when making requests to Vault.

Your application may be affected by this if the following are true:

1. You have Spring Vault on the classpath of your Spring Cloud Config Server and
2. You are using the [X-CONFIG-TOKEN](#) header to send a Vault token to the Spring Cloud Config Server for the Config Server to use when making requests to Vault and
3. You are using the default Spring Vault [SessionManager](#) implementation [LifecycleAwareSessionManager](#) or a [SessionManager](#) implementation that persists the Vault token such as [SimpleSessionManager](#) ...

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CVE-2025-22223: Spring Security authorization bypass for method security annotations on parameterized types

MEDIUM | MARCH 19, 2025 | CVE-2025-22223

Description

Spring Security may not correctly locate method security annotations on parameterized types or methods. This may cause an authorization bypass.

Your application may be affected by this if the following are true:

1. You are using [@EnableMethodSecurity](#), and
2. You have a method security annotation on a parameterized superclass, interface, or overridden method and no annotation on the target method
- ...

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CVE-2025-22228: Spring Security BCryptPasswordEncoder does not enforce maximum password length

HIGH | MARCH 19, 2025 | CVE-2025-22228

Description

`BCryptPasswordEncoder.matches(CharSequence,String)` will incorrectly return `true` for passwords larger than 72 characters as long as the first 72 characters are the same.

Affected Spring Products and Versions

Spring Security:

- 5.7.0 - 5.7.15
- 5.8.0 - 5.8.17
- 6.0.0 - 6.0.15
- 6.1.0 - 6.1.13
- 6.2.0 - 6.2.9
- 6.3.0 - 6.3.7
- 6.4.0 - 6.4.3
- Older, unsupported versions are also affected
- ...

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CVE-2024-38827: Spring Security Authorization Bypass for Case Sensitive Comparisons

MEDIUM | NOVEMBER 19, 2024 | CVE-2024-38827

Description

The usage of `String.toLowerCase()` and `String.toUpperCase()` has some `Locale` dependent exceptions that could potentially result in authorization rules not working properly.

Related to [CVE-2024-38820](#)

Affected Spring Products and Versions

Spring...

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CVE-2024-38829: Spring LDAP Spring LDAP sensitive data exposure for case-sensitive comparisons

LOW | NOVEMBER 19, 2024 | CVE-2024-38829

Description

The usage of `String.toLowerCase()` and `String.toUpperCase()` has some `Locale` dependent exceptions that could potentially result in unintended columns from being queried

Related to [CVE-2024-38820](#)

Affected Spring Products and Versions

Spring LDAP:

- 2.4.0 - 2.4.3
- 3.0.0 - 3.0.9
- 3.1.0 - 3.1.7
- 3.2.0 - 3.2.7
- Older, unsupported versions are also affected
- ...

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