

## HTTP Request Header Injection

Affecting [io.micronaut:micronaut-http-client](#) package, versions [\[1.2.11\]](#) [\[1.3.0,1.3.2\]](#)

INTRODUCED: 26 MAR 2020 [CVE-2020-7611](#) ⓘ [CWE-113](#) ⓘ [FIRST ADDED BY SNYK](#)

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### How to fix?

Upgrade `io.micronaut:micronaut-http-client` to version 1.2.11, 1.3.2 or higher.

### Overview

`io.micronaut:micronaut-http-client` is a modern, JVM-based, full stack microservices framework designed for building modular, easily testable microservice applications.

Affected versions of this package are vulnerable to HTTP Request Header Injection due to not validating request headers passed to the client.

### PoC by Jonathan Leitschuh

```
@Controller("/hello") public class HelloController { @Inject @Client("/") RxHttpClient client; @Get("/external-exploit")
@Produces(MediaType.TEXT_PLAIN) public String externalExploit(@QueryValue("header-value") String headerValue) { return
client.toBlocking().retrieve( HttpRequest.GET("/hello").header("Test", headerValue) ); } }
```

### References

- [GitHub Commit #1](#)
- [GitHub Commit #2](#)
- [GitHub Commit #3](#)
- [GitHub Security Advisory](#)

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Proof of concept ⓘ

Attack Complexity

High ⓘ

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9.8 CRITICAL

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Snyk ID **SNYK-JAVA-IOMICRONAUT-561342**

Published

26 Mar 2020

Disclosed

26 Mar 2020

Credit

Jonathan Leitschuh

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