snyk Vulnerability DB

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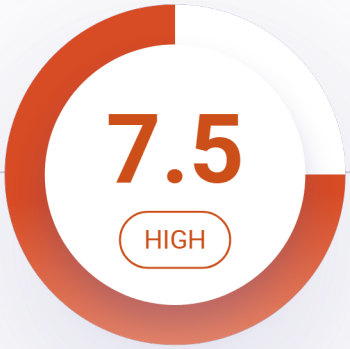
Denial of Service (DoS)

Affecting org.yaml:snakeyaml package, versions [0,1.31)



Snyk CVSS

Attack Complexity **Low**

Availability HIGH

See more

INTRODUCED: 1 MAY 2022 CVE-2022-25857
CVE-2022-38749 CWE-400
FIRST ADDED BY SNYK

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How to fix?

Upgrade `org.yaml:snakeyaml` to version 1.31 or higher.

Overview

org.yaml:snakeyaml is a YAML 1.1 parser and emitter for Java.

Affected versions of this package are vulnerable to Denial of Service (DoS) due to missing nested depth limitation for collections.

Details

Denial of Service (DoS) describes a family of attacks, all aimed at making a system inaccessible to its intended and legitimate users.

Unlike other vulnerabilities, DoS attacks usually do not aim at breaching security. Rather, they are focused on making websites and services unavailable to genuine users resulting in downtime.

One popular Denial of Service vulnerability is DDoS (a Distributed Denial of Service), an attack that attempts to clog network pipes to the system by generating a large volume of traffic from many machines.

NVD 7.5 HIGH

Red Hat 7.5 HIGH

SUSE 6.2 MEDIUM

Do your applications use this vulnerable package?

In a few clicks we can analyze your entire application and see what

When it comes to open source libraries, DoS vulnerabilities allow attackers to trigger such a crash or crippling of the service by using a flaw either in the application code or from the use of open source libraries.

Two common types of DoS vulnerabilities:

- High CPU/Memory Consumption- An attacker sending crafted requests that could cause the system to take a disproportionate amount of time to process. For example, commons-fileupload:commons-fileupload.
- Crash - An attacker sending crafted requests that could cause the system to crash. For Example, npm `ws` package

References

- Bitbucket Commit
- BitBucket Issues
- GitHub Commit

components are vulnerable in your application, and suggest you quick fixes.

Test your applications

Snyk ID	**SNYK-JAVA-ORGYAML-2806360**
Published	**29 Aug 2022**
Disclosed	**1 May 2022**
Credit	**unknown**

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