

Improper Input Validation

Affecting [url-js](#) package, versions <2.1.0

INTRODUCED: 28 FEB 2022 [CVE-2022-25839](#) ?

CWE-20 ?

FIRST ADDED BY SNYK

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How to fix?

Upgrade `url-js` to version 2.1.0 or higher.

Overview

[url-js](#) is a Simple URL parser, similar to DOM URL

Affected versions of this package are vulnerable to Improper Input Validation due to improper parsing, which makes it is possible for the hostname to be spoofed. `http://\\localhost` and `http://localhost` are the same URL. However, the hostname is not parsed as localhost, and the backslash is reflected as it is.

PoC:

Running the following command:

```
node -e "const URLJS = require('url-js');console.log(URLJS('http://\\localhost'))"
```

Will result in the following output:

```
URLJS { protocol: 'http:', username: '', password: '',
  hostname: '\\localhost', port: '', pathname: '/', search:
```



Snyk CVSS

Exploit
Maturity

Proof of
concept ?

Attack Complexity Low ?

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> NVD

5.3 MEDIUM

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.

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```
'', query: '', hash: '' }
```

References

- [Fix Commit](#)

Snyk **SNYK-JS-URLJS-**
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