

Command Injection

Affecting [clamscan](#) package, versions <1.3.0

INTRODUCED: 31 MAR 2020 CVE-2020-7613 CWE-79 FIRST ADDED BY SNYK

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How to fix?

Upgrade `clamscan` to version 1.3.0 or higher.

Overview

`clamscan` is an Use Node JS to scan files on your server with ClamAV's `clamscan` binary or `clamdscan` daemon. This is especially useful for scanning uploaded files provided by un-trusted sources.

Affected versions of this package are vulnerable to Command Injection. It is possible to inject arbitrary commands as part of the `_is_clamav_binary` function located within `Index.js`.

It should be noted that this vulnerability requires a pre-requisite that a folder should be created with the same command that will be chained to execute. This lowers the risk of this issue.

PoC by Snyk

```
var Root = require("clamscan"); var fs = require("fs"); var attack_code = "echo vulnerable > create.txt"; var root = new Root(); fs.mkdir(attack_code + "&", function(){}); root.init({"clamscan": {'path': attack_code + "&"}});
```

References

- GitHub Commit
- Vulnerable Code

PRODUCT

- Snyk Open Source
- Snyk Code
- Snyk Container
- Snyk Infrastructure as Code
- Test with Github
- Test with CLI

RESOURCES

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8.1 HIGH

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Snyk ID SNYK-JS-CLAMSCAN-564113

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Credit JHU System Security Lab

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