

Server-side Request Forgery (SSRF)

Affecting phantomjs-seo package, versions *

INTRODUCED: 3 SEP 2020 CVE-2020-7739 CWE-918 FIRST ADDED BY SNYK Share

How to fix?

There is no fixed version for phantomjs-seo .

Overview

phantomjs-seo is an express middleware for prerendering pages with phantomjs for search engine crawling

Affected versions of this package are vulnerable to Server-side Request Forgery (SSRF). It is possible for an attacker to craft a url that will be passed to a PhantomJS instance allowing for an SSRF attack.

PoC

```
mkdir poc cd poc npm init -y npm install express npm install phantomjs-seo
```

create index.js with basic Express app

```
const express = require('express') const app = express() const port = 3000 // phantomjs-seo middleware
init const seo = require('phantomjs-seo') app.use(seo)

app.get('/', (req, res) => res.send('Hello World!')) app.listen(port, () => console.log(`example app
listening at http://localhost:${port}`))
```

run it:

```
node index.js
```

References

- GitHub Vulnerable Code

PRODUCT

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

RESOURCES

- Vulnerability DB
- Documentation
- Disclosed Vulnerabilities

HIGH

Search by package name or CVE

Snyk CVSS

Exploit Maturity	Proof of concept
Attack Complexity	Low
Confidentiality	HIGH

See more

> NVD 8.2 HIGH

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Snyk ID	SNYK-JS-PHANTOMJSSEO-609638
Published	5 Oct 2020
Disclosed	3 Sep 2020
Credit	Vasilii Ermilov

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