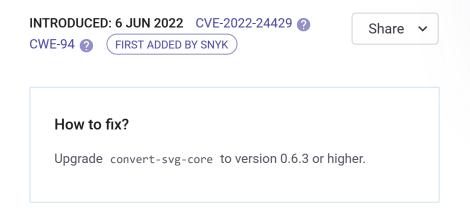
## **snyk** Vulnerability DB

Snyk Vulnerability Database > npm > convert-svg-core

Q Search by package n

## **Arbitrary Code Injection**

Affecting convert-svg-core package, versions <0.6.3

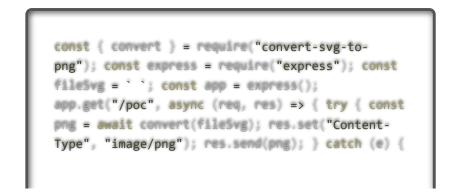


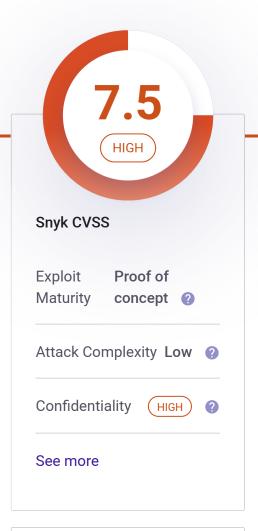
### Overview

convert-svg-core is a package that supports converting SVG into another format using headless Chromium.

Affected versions of this package are vulnerable to Arbitrary Code Injection when using a specially crafted SVG file. An attacker can read arbitrary files from the file system and then show the file content as a converted PNG file.

## PoC







# Do your applications use this vulnerable package?

In a few clicks we can analyze your entire application and see what

components are vulnerable in your application, and suggest you quick fixes

```
res.send(""); } }); app.listen(3000, () => {
console.log("started"); });
```

### **Details**

A Directory Traversal attack (also known as path traversal) aims to access files and directories that are stored outside the intended folder. By manipulating files with "dot-dot-slash (../)" sequences and its variations, or by using absolute file paths, it may be possible to access arbitrary files and directories stored on file system, including application source code, configuration, and other critical system files.

Directory Traversal vulnerabilities can be generally divided into two types:

 Information Disclosure: Allows the attacker to gain information about the folder structure or read the contents of sensitive files on the system.

st is a module for serving static files on web pages, and contains a vulnerability of this type. In our example, we will serve files from the public route.

If an attacker requests the following URL from our server, it will in turn leak the sensitive private key of the root user.

Note %2e is the URL encoded version of . (dot).

• Writing arbitrary files: Allows the attacker to create or replace existing files. This type of vulnerability is also known as Zip-Slip.

One way to achieve this is by using a malicious zip archive that holds path traversal filenames. When each filename in the zip archive gets concatenated to the target extraction folder, without validation, the final path ends up outside of the target folder. If an executable or a configuration file is overwritten with a file containing malicious code, the problem can turn into an arbitrary code execution issue guite easily.

The following is an example of a zip archive with one benign file and one malicious file. Extracting the malicious file will result in traversing out of the target folder, ending up in /root/.ssh/ overwriting the authorized\_keys file:

Juggeot you quion lineo.

Test your applications



Learn about Arbitrary Code Injection vulnerabilities in an interactive lesson.

Start learning

SnykSNYK-JS-ID CONVERTSVGCORE-2859212

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Disclosed 6 Jun 2022

Credit Donggyu Kim

Report a new vulnerability

Found a mistake?

```
2018-04-15 22:04:29 ..... 19 19 good.txt 2018-04-15
22:04:42 ..... 20 20
../../../../root/.ssh/authorized_keys
```

References
Github Commit
PRODUCT
Snyk Open Source
Snyk Code
Snyk Container
Snyk Infrastructure as Code
Test with Github
Test with CLI
RESOURCES
Vulnerability DB
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## TRACK OUR DEVELOPMENT



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