# **snyk** Vulnerability DB

Snyk Vulnerability Database > npm > gatsby-plugin-mdx

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## **Deserialization of Untrusted Data**

Affecting gatsby-plugin-mdx package, versions <2.14.1 >=3.0.0 <3.15.2

INTRODUCED: 18 FEB 2022 CVE-2022-25863 ② Share ➤ CWE-502 ② FIRST ADDED BY SNYK

How to fix?

Upgrade gatsby-plugin-mdx to version 2.14.1, 3.15.2 or higher.

#### Overview

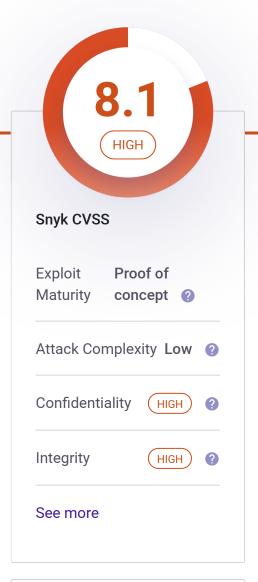
gatsby-plugin-mdx is a MDX integration for Gatsby

Affected versions of this package are vulnerable to Deserialization of Untrusted Data when passing input through to the <code>gray-matter</code> package, due to its default configurations that are missing input sanitization. Exploiting this vulnerability is possible when passing input in both <code>webpack</code> (MDX files in src/pages or MDX file imported as a component in frontend / React code) and data mode (querying MDX nodes via GraphQL).

### Workaround:

If an older version of gatsby-plugin-mdx must be used, input passed into the plugin should be sanitized ahead of processing.

#### Poc:



> NVD 9.8 CRITICAL

Do your applications use this vulnerable package?

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

```
const mdxToJsx = require("gatsby-plugin-mdx/utils/mdx.js");
var payload = '---
jsn((require("child_process")).execSync("touch rce"))';
mdxToJsx(payload);
```

#### References

- GitHub Commit
- GitHub PR
- PoC

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

Test your applications

SnykSNYK-JSID GATSBYPLUGINMDX2405699

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CreditFeng Xiao and Zhongfu Su

Report a new vulnerability

Found a mistake?

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Vulnerability DB

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