

 Secrets

 ABAP

 Apex

 C

 C++

 CloudFormation

 COBOL

 C#

 CSS

 Flex

 Go

 HTML

 Java

 JavaScript

 Kotlin

 Objective C

 PHP

 PL/I

 PL/SQL

 Python

 RPG

 Ruby

 Scala

 Swift

 Terraform

 Text

 TypeScript

 T-SQL

 VB.NET

 VB6













 XML



JavaScript static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVASCRIPT code

- All rules 285
-  Vulnerability 29
-  Bug 62
-  Security Hotspot 43
-  Code Smell 151
-  Quick Fix 41

Disabling vue.js built-in escaping is security-sensitive		Security Hotspot
Disabling Angular built-in sanitization is security-sensitive		Security Hotspot
Hard-coded credentials are security-sensitive		Security Hotspot
Function returns should not be invariant		Code Smell
Assertions should be complete		Code Smell
Variables should be declared explicitly		Code Smell
Tests should include assertions		Code Smell
"future reserved words" should not be used as identifiers		Code Smell
Octal values should not be used		Code Smell
Switch cases should end with an unconditional "break" statement		Code Smell
"switch" statements should not contain non-case labels		Code Smell
A new session should be created during user authentication		Vulnerability
JWT should be signed and verified		

Endpoints should not be vulnerable to reflected cross-site scripting (XSS) attacks

Analyze your code

-  Vulnerability
-  Blocker
-  injection cwe sans-top25 owasp

User-provided data, such as URL parameters, POST data payloads, or cookies, should always be considered untrusted and tainted. Furthermore, when processing an HTTP request, a web server may copy user-provided data into the body of the HTTP response that is sent back to the user. This behavior is called a "reflection". Endpoints reflecting tainted data could allow attackers to inject code that would eventually be executed in the user's browser. This could enable a wide range of serious attacks like accessing/modifying sensitive information or impersonating other users.

Typically, the solution is one of the following:

- Validate user-provided data based on a whitelist and reject input that is not allowed.
- Sanitize user-provided data from any characters that can be used for malicious purposes.
- Encode user-provided data when it is reflected back in the HTTP response. Adjust the encoding to the output context so that, for example, HTML encoding is used for HTML content, HTML attribute encoding is used for attribute values, and JavaScript encoding is used for server-generated JavaScript.

When sanitizing or encoding data, it is recommended to only use libraries specifically designed for security purposes. Also, make sure that the library you are using is being actively maintained and is kept up-to-date with the latest discovered vulnerabilities.

Noncompliant Code Example

```
function (req, res) {
  const tainted = req.query.name;

  res.send(tainted); // Noncompliant
};
```

Compliant Solution

```
import sanitizeHtml from "sanitize-html";

function (req, res) {
  const tainted = req.query.name;

  res.send(sanitizeHtml(tainted)); // Noncompliant
};
```

See

- [OWASP Top 10 2021 Category A3](#) - Injection
- [OWASP Cheat Sheet](#) - XSS Prevention Cheat Sheet
- [OWASP Top 10 2017 Category A7](#) - Cross-Site Scripting (XSS)

with strong cipher algorithms

 Vulnerability

Cipher algorithms should be robust

 Vulnerability

Encryption algorithms should be used with secure mode and padding scheme

 Vulnerability

Server hostnames should be verified during SSL/TLS connections

 Vulnerability

Server certificates should be verified

- [MITRE, CWE-79](#) - Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')
- [SANS Top 25](#) - Insecure Interaction Between Components

Available In:

  Developer Edition

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