Code Formatting and Testing



David Tucker

CTO Consultant

@_davidtucker_ | davidtucker.net

Unit Testing

Unit testing is where individual components (or "units") of an application are tested to make sure they behave as the author intended. These tests are usually written for a specific unit testing framework. It is common for these tests to get executed every time code is committed to a project to ensure the new code does not break application functionality.

Unit testing is just one type of testing that complex software projects may leverage.

Jest

Mocha

Jasmine

AVA

Vitest

JavaScript Testing Frameworks



More Information

JavaScript Unit Testing with Jest

Gabriel McNeilly

Code Coverage

Code Coverage is a metric designed to tell you how much of an application is actually tested by the collection of unit tests that have been written for it. While there are different approaches for calculating this metric, it is generally assumed that a higher code coverage number is better than a lower one as it means more of the application is tested by the unit tests.

Code Linting and Formatting

Code Linting

Linting is the automated checking of your source code for programmatic and stylistic errors. This is done by using a lint tool (otherwise known as linter). A lint tool is a basic static code analyzer... Linting is important to reduce errors and improve the overall quality of your code. Using lint tools can help you accelerate development and reduce costs by finding errors earlier.

Bellairs, Richard. "What is Lint Code? And What is Linting and Why is Linting Important." *Perforce*. https://tuck.cc/linting

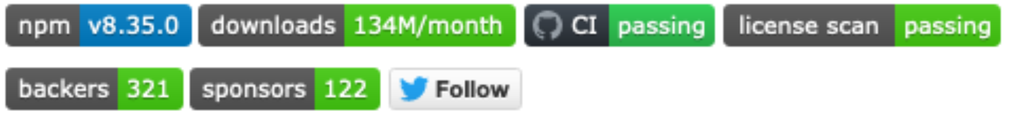
ESLint.org

“ESLint statically analyzes your code to quickly find problems. It is built into most text editors and you can run ESLint as part of your continuous integration pipeline.”

eslint DT

8.35.0 • Public • Published 2 days ago

Readme | Code Beta | 40 Dependencies | 20,113 Dependents | 324 Versions



ESLint

Website | Configure ESLint | Rules | Contribute to ESLint | Report Bugs | Code of Conduct | Twitter | Discord

ESLint is a tool for identifying and reporting on patterns found in ECMAScript/JavaScript code. In many ways, it is similar to JSLint and JSHint with a few exceptions:

- ESLint uses Espree for JavaScript parsing.
- ESLint uses an AST to evaluate patterns in code.
- ESLint is completely pluggable, every single rule is a plugin and you can add more at runtime.

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1. Installation and Usage
2. Configuration
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Install

```
> npm i eslint
```

Repository

github.com/eslint/eslint

Homepage

eslint.org

♥Fund this package

Weekly Downloads

31,985,577



Version	License
8.35.0	MIT

Unpacked Size	Total Files

Next Steps