

Esprima (esprima.org, BSD license) is a high performance, standard-compliant [ECMAScript](#) parser written in ECMAScript (also popularly known as [JavaScript](#)). Esprima is created and maintained by [Ariya Hidayat](#), with the help of [many contributors](#).

Features

Full support for ECMAScript 2017 ([ECMA-262 8th Edition](#))

Sensible [syntax tree format](#) as standardized by [ESTree project](#)

Experimental support for [JSX](#), a syntax extension for [React](#)

Optional tracking of syntax node location (index-based and line-column)

[Heavily tested](#) (~1500 [unit tests](#) with [full code coverage](#))

API

Esprima can be used to perform [lexical analysis](#) (tokenization) or [syntactic analysis](#) (parsing) of a JavaScript program.

A simple example on Node.js REPL:

```
> esprima.parseScript(program);
{ type: 'Program',
  body: [ { type: 'VariableDeclaration',
    declarations: [Object],
    kind: 'const' } ],
  sourceType: 'script' }
```

For more information, please read the [complete documentation](#).