ESLint Blog Team Version Language Options v8.23.0 ~ Search Specifying Environments An environment provides predefined global variables. The available environments are: **USER GUIDE** ^ • browser - browser global variables. **Getting Started** node - Node.js global variables and Node.js scoping. Configuring • commonjs - CommonJS global variables and CommonJS scoping (use this for browser-only Configuration Files (New) code that uses Browserify/WebPack). **Configuration Files** • shared-node-browser - Globals common to both Node.js and Browser. **Configuring Language Options** • es6 - enable all ECMAScript 6 features except for modules (this automatically sets the ecmaVersion parser option to 6). Configuring Rules • es2016 - adds all ECMAScript 2016 globals and automatically sets the ecmαVersion parser Configuring Plugins option to 7. Ignoring Code • es2017 - adds all ECMAScript 2017 globals and automatically sets the ecmαVersion parser option to 8. Command Line Interface • es2018 - adds all ECMAScript 2018 globals and automatically sets the ecmαVersion parser Rules option to 9. **Formatters** • es2019 - adds all ECMAScript 2019 globals and automatically sets the ecmαVersion parser Integrations option to 10. Migrating to v8.x • es2020 - adds all ECMAScript 2020 globals and automatically sets the ecmαVersion parser option to 11. **DEVELOPER GUIDE** • es2021 - adds all ECMAScript 2021 globals and automatically sets the ecmαVersion parser ^ option to 12. Architecture • es2022 - adds all ECMAScript 2022 globals and automatically sets the ecmαVersion parser Getting the Source Code option to 13. Set Up a Development Environment • worker - web workers global variables. Run the Tests • amd - defines require() and define() as global variables as per the <u>amd</u> spec. Working with Rules • mocha - adds all of the Mocha testing global variables. Working with Plugins • jasmine - adds all of the Jasmine testing global variables for version 1.3 and 2.0. Working with Custom Formatters jest - Jest global variables. Working with Custom Parsers phantomjs - PhantomJS global variables. Shareable Configs protractor - Protractor global variables. Node.js API qunit - QUnit global variables. Contributing jquery - jQuery global variables. • prototypejs - Prototype.js global variables. MAINTAINER GUIDE shelljs - ShellJS global variables. Managing Issues meteor - Meteor global variables. **Reviewing Pull Requests** mongo - MongoDB global variables. Managing Releases applescript - AppleScript global variables. Governance • nashorn - Java 8 Nashorn global variables. • serviceworker - Service Worker global variables. atomtest - Atom test helper globals. • embertest - Embertest helper globals. webextensions - WebExtensions globals. greasemonkey - GreaseMonkey globals. These environments are not mutually exclusive, so you can define more than one at a time. Environments can be specified inside of a file, in configuration files or using the --env command line flag. Using configuration comments To specify environments using a comment inside of your JavaScript file, use the following format: /* eslint-env node, mocha */ This enables Node.js and Mocha environments. Using configuration files To specify environments in a configuration file, use the env key and specify which environments you want to enable by setting each to true. For example, the following enables the browser and Node.js environments: "env": { "browser": true, "node": true 5 6 Or in a package. json file "name": "mypackage", "version": "0.0.1", "eslintConfig": { "env": { "browser": true,

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Using configuration files **Specifying Parser Options**

"node": true

"plugins": ["example"],

"name": "mypackage",

```
And in YAML:
          env:
             browser: true
             node: true
```

If you want to use an environment from a plugin, be sure to specify the plugin name in the plugins

array and then use the unprefixed plugin name, followed by a slash, followed by the environment

"env": { "example/custom": true 5

Using a plugin

name. For example:

10

6 Or in a package. json file

```
"version": "0.0.1",
          "eslintConfig": {
              "plugins": ["example"],
              "env": {
                  "example/custom": true
10
```

Some of ESLint's core rules rely on knowledge of the global variables available to your code at

runtime. Since these can vary greatly between different environments as well as be modified at

environment. If you would like to use rules that require knowledge of what global variables are

available, you can define global variables in your configuration file or by using configuration

runtime, ESLint makes no assumptions about what global variables exist in your execution

Using configuration comments To specify globals using a comment inside of your JavaScript file, use the following format:

/* global var1, var2 */

comments in your source code.

Specifying Globals

flag: /* global var1:writable, var2:writable */

This defines two global variables, var1 and var2. If you want to optionally specify that these global

variables can be written to (rather than only being read), then you can set each with a "writable"

```
To configure global variables inside of a configuration file, set the globαls configuration property to
an object containing keys named for each of the global variables you want to use. For each global
variable key, set the corresponding value equal to "writable" to allow the variable to be
overwritten or "readonly" to disallow overwriting. For example:
```

"var2": "readonly" 5 6

globals:

"env": {

"es6": true

var1: writable

var2: readonly

And in YAML:

"globals": {

"var1": "writable",

Using configuration files

These examples allow var1 to be overwritten in your code, but disallow it for var2. Globals can be disabled with the string "off". For example, in an environment where most ES2015 globals are available but Promise is unavailable, you might use this config:

```
"globals": {
                    "Promise": "off"
    8
For historical reasons, the boolean value false and the string value "readable" are equivalent to
"readonly". Similarly, the boolean value true and the string value "writeable" are equivalent to
"writable". However, the use of older values is deprecated.
```

ESLint allows you to specify the JavaScript language options you want to support. By default, ESLint expects ECMAScript 5 syntax. You can override that setting to enable support for other ECMAScript versions as well as JSX by using parser options.

Please note that supporting JSX syntax is not the same as supporting React. React applies specific semantics to JSX syntax that ESLint doesn't recognize. We recommend using eslint-plugin-react if you are using React and want React semantics. By the same token, supporting ES6 syntax is not the same as supporting new ES6 globals (e.g., new types such as Set). For ES6 syntax, use {

Edit this page

Specifying Parser Options

"parserOptions": { "ecmaVersion": 6 } }; for new ES6 global variables, use { "env": { "es6": true } }. { "env": { "es6": true } } enables ES6 syntax automatically, but { "parserOptions": { "ecmaVersion": 6 } } does not enable ES6 globals automatically.

Parser options are set in your .eslintrc.* file by using the parserOptions property. The available options are: ecmαVersion - set to 3, 5 (default), 6, 7, 8, 9, 10, 11, 12, 13, or 14 to specify the version of ECMAScript syntax you want to use. You can also set to 2015 (same as 6), 2016 (same as 7), 2017 (same as 8), 2018 (same as 9), 2019 (same as 10), 2020 (same as 11), 2021 (same as 12), 2022 (same as 13), or 2023 (same as 14) to use the year-based naming. You can also set "latest" to use the most recently supported version.

• allowReserved - allow the use of reserved words as identifiers (if ecmaVersion is 3). • ecmαFeαtures - an object indicating which additional language features you'd like to use:

globαlReturn - allow return statements in the global scope

• sourceType - set to "script" (default) or "module" if your code is in ECMAScript modules.

∘ jsx - enable <u>JSX</u> Here's an example .eslintrc.json file:

impliedStrict - enable global <u>strict mode</u> (if ecmαVersion is 5 or greater)

"parserOptions": { 2 "ecmaVersion": "latest",

```
"sourceType": "module",
                   "ecmaFeatures": {
                        "jsx": true
   8
              "rules": {
   9
  10
                   "semi": "error"
  11
  12
Setting parser options helps ESLint determine what is a parsing error. All language options are
false by default.
```

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