

ESLint - больше чем просто "extend"



Красновский
Денис

Domclick

TELEGRAM @jquery_dlya_slabih



11 Aug 2022 ↗

вкусовщина, но если будешь что-то править рядом: кажется, импорты смотреть, имхо

Reply 😊 ...

<PublicationDate year={ 202

15

три в столбец

Reply 😊 ...

13 Oct 2021 ↗

Лишний отступ

Reply 😊 ...

После констант добавляем пустую с

Reply · Edit 😊 ...

const moneyCeilFloat = (amount, divider, decimalPlaces = 1) => {

07 Oct 2021 ↗

decimalPlaces = 1 - в аргументах лишний, так как ни где не используется.

Reply · Edit 😊 ...

1

тут похоже лишняя стр

Reply 😊 ...

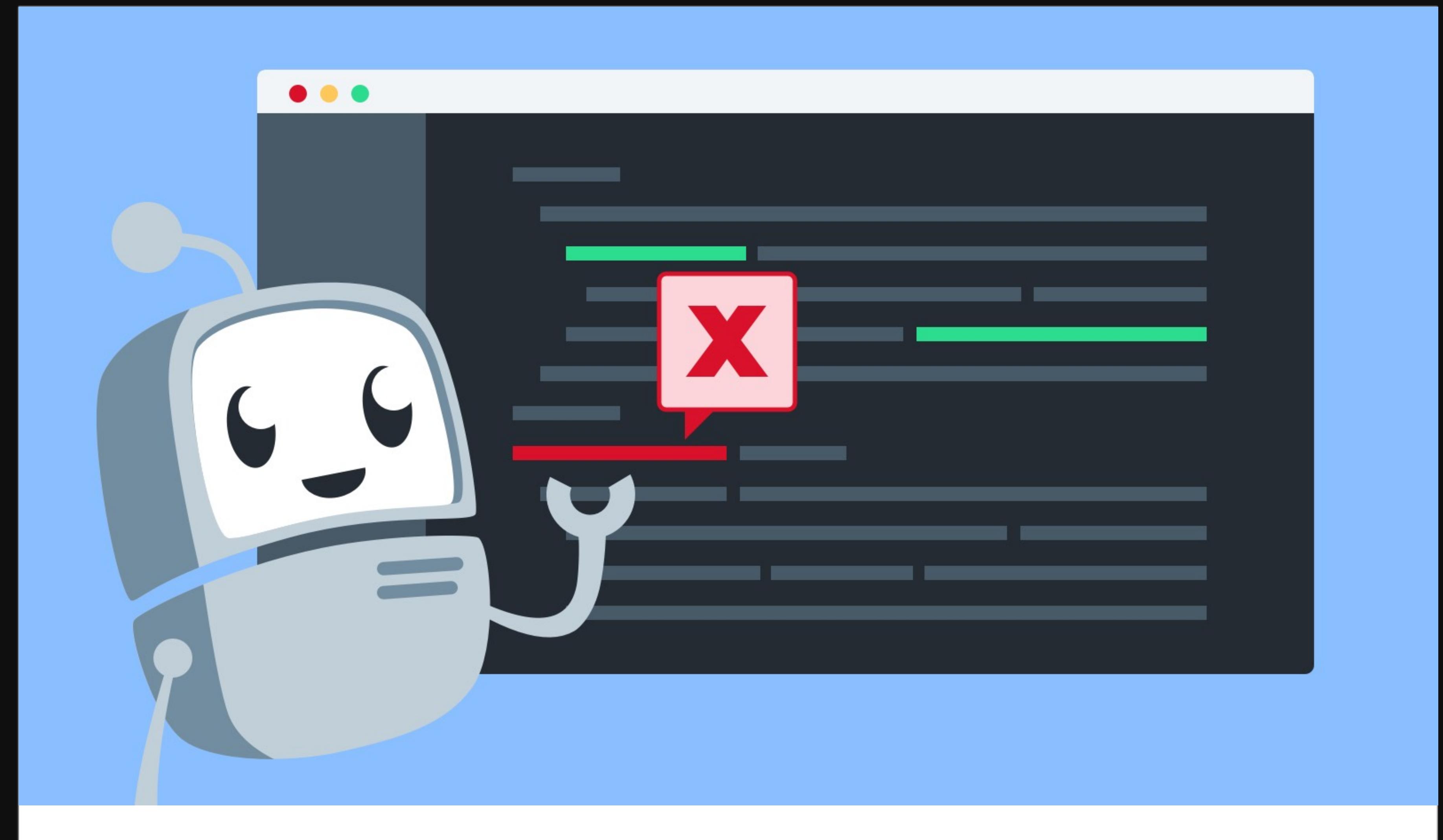
AS IS



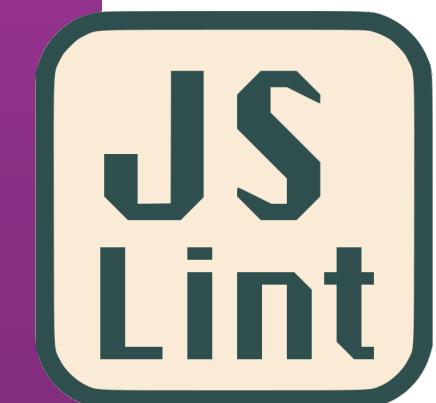
TO DO



HISTORY



2002



2011

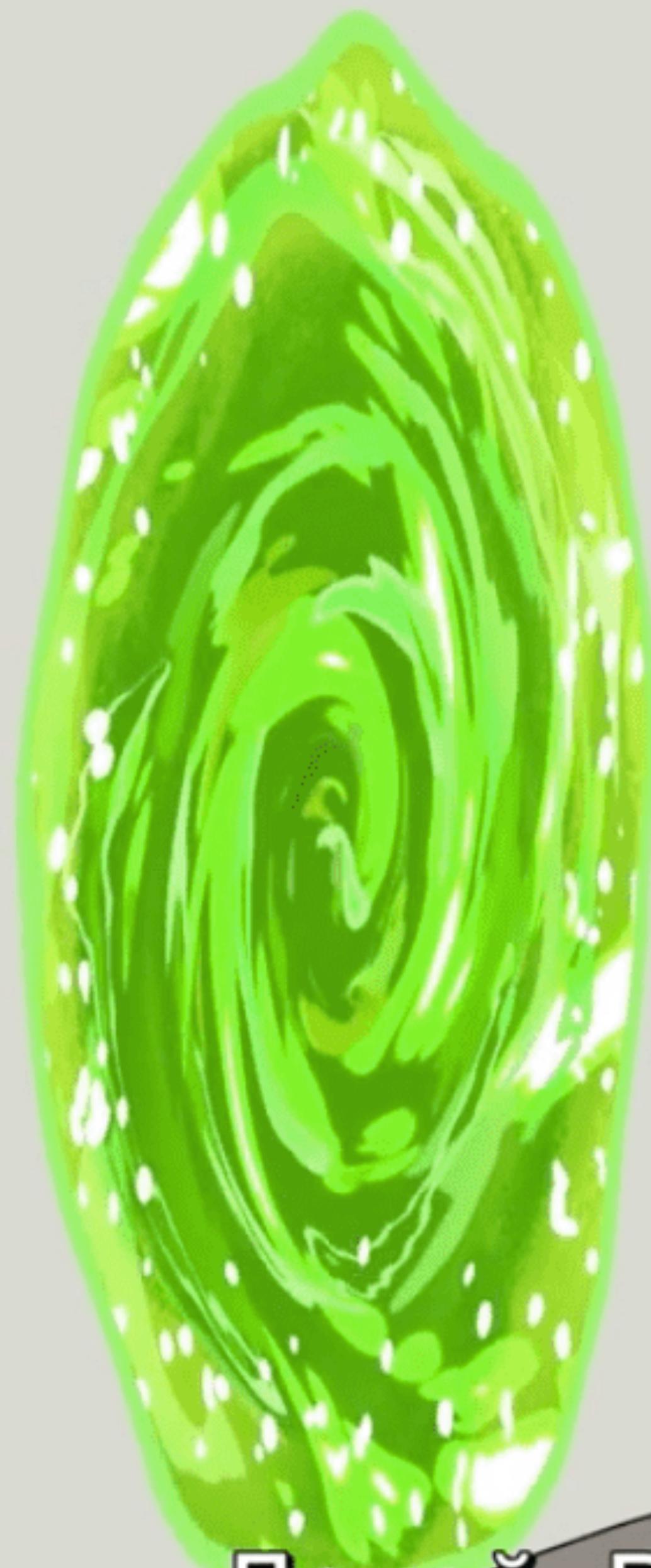


2013



ESLint

RULES



**Давай. Вошли и вышли, приключение
на 20 минут.**

array-callback-return Enforce return statements in callbacks of array methods			
constructor-super Require 'super()' calls in constructors			
for-direction Enforce "for" loop update clause moving the counter in the right direction.			
getter-return Enforce 'return' statements in getters			
no-async-promise-executor Disallow using an async function as a Promise executor			
no-await-in-loop Disallow 'await' inside of loops			
no-class-assign Disallow reassigning class members			
no-compare-neg-zero Disallow comparing against -0			
no-cond-assign Disallow assignment operators in conditional expressions			
no-const-assign Disallow reassigning 'const' variables			
no-constant-binary-expression Disallow expressions where the operation doesn't affect the value			
no-constant-condition Disallow constant expressions in conditions			
no-constructor-return Disallow returning value from constructor			
no-control-regex Disallow control characters in regular expressions			
no-debugger Disallow the use of 'debugger'			
no-dupe-args Disallow duplicate arguments in 'function' definitions			
no-dupe-class-members Disallow duplicate class members			
no-dupe-else-if Disallow duplicate conditions in if-else-if chains			
no-dupe-keys Disallow duplicate keys in object literals			
no-duplicate-case Disallow duplicate case labels			
no-duplicate-imports Disallow duplicate module imports			
no-empty-character-class Disallow empty character classes in regular expressions			
no-empty-pattern Disallow empty destructuring patterns			
no-ex-assign Disallow reassigning exceptions in 'catch' clauses			
no-fallthrough Disallow fallthrough of 'case' statements			
no-extra-bind Disallow unnecessary calls to '.bind()'			
no-extra-boolean-cast Disallow unnecessary boolean casts			
no-extra-label Disallow unnecessary labels			
no-extra-semi Disallow unnecessary semicolons			
no-floating-decimal Disallow leading or trailing decimal points in numeric literals			
no-global-assign Disallow assignments to native objects or read-only global variables			
no-implicit-coercion Disallow shorthand type conversions			
no-implicit-globals Disallow declarations in the global scope			
no-implied-eval Disallow the use of 'eval()-like' methods			
no-inline-comments Disallow inline comments after code			
no-invalid-this Disallow use of 'this' in contexts where the value of 'this' is 'undefined'			
no-iterator Disallow the use of the '__Iterator__' property			
no-label-var Disallow labels that share a name with a variable			
no-labels Disallow labeled statements			
no-lone-blocks Disallow unnecessary nested blocks			
no-lonely-if Disallow 'if' statements as the only statement in 'else' blocks			
no-loop-func Disallow function declarations that contain unsafe references inside loop statements			
no-magic-numbers Disallow magic numbers			
no-mixed-operators Disallow mixed binary operators			
no-multi-assign Disallow use of chained assignment expressions			
no-multi-str Disallow multiline strings			
no-negated-condition Disallow negated conditions			
no-nested-ternary Disallow nested ternary expressions			
no-new Disallow 'new' operators outside of assignments or comparisons			
no-fallthrough Disallow fallthrough of 'case' statements			
no-func-assign Disallow reassigning 'function' declarations			
no-import-assign Disallow assigning to imported bindings			
no-inner-declarations Disallow variable or 'function' declarations in nested blocks			
no-invalid-regexp Disallow invalid regular expression strings in 'RegExp' constructors			
no-irregular-whitespace Disallow irregular whitespace			
no-loss-of-precision Disallow literal numbers that lose precision			
no-misleading-character-class Disallow characters which are made with multiple code points in character class syntax			
no-new-symbol Disallow 'new' operators with the 'Symbol' object			
no-obj-calls Disallow calling global object properties as functions			
no-promise-executor-return Disallow returning values from Promise executor functions			
no-prototype-builtins Disallow calling some 'Object.prototype' methods directly on objects			
no-self-assign Disallow assignments where both sides are exactly the same			
no-self-compare Disallow comparisons where both sides are exactly the same			
no-setter-return Disallow returning values from setters			
no-sparse-arrays Disallow sparse arrays			
no-template-curly-in-string Disallow template literal placeholder syntax in regular strings			
no-this-before-super Disallow 'this'/'super' before calling 'super()' in constructors			
no-undef Disallow the use of undeclared variables unless mentioned in '/global /*' comments			
no-unexpected-multiline Disallow confusing multiline expressions			
no-unmodified-loop-condition Disallow unmodified loop conditions			
no-unreachable Disallow unreachable code after 'return', 'throw', 'continue', and 'break' statements			
no-unreachable-loop Disallow loops with a body that allows only one iteration			
no-unsafe-finally Disallow control flow statements in 'finally' blocks			
no-unsafe-negation Disallow negating the left operand of relational operators			
array-bracket-newline Enforce linebreaks after opening and before closing array brackets			
array-bracket-spacing Enforce consistent spacing inside array brackets			
array-element-newline Enforce line breaks after each array element			
arrow-parens Require parentheses around arrow function arguments			
arrow-spacing Enforce consistent spacing before and after the arrow in arrow functions			
block-spacing Disallow or enforce spaces inside of blocks after opening block and before closing block			
brace-style Enforce consistent brace style for blocks			
comma-dangle Require or disallow trailing commas			
comma-spacing Enforce consistent spacing before and after commas			
comma-style Enforce consistent comma style			
computed-property-spacing Enforce consistent spacing inside computed property brackets			
dot-location Enforce consistent newlines before and after dots			
eol-last Require or disallow newline at the end of files			
func-call-spacing Require or disallow spacing between function identifiers and their invocations			
function-call-argument-newline Enforce line breaks between arguments of a function call			
function-paren-newline Enforce consistent line breaks inside function parentheses			
generator-star-spacing Enforce consistent spacing around '*' operators in generator functions			
implicit-arrow-linebreak Enforce the location of arrow function bodies			
indent Enforce consistent indentation			
jsx-quotes Enforce the consistent use of either double or single quotes in JSX attributes			
key-spacing Enforce consistent spacing between keys and values in object literal properties			
keyword-spacing Enforce consistent spacing before and after keywords			
line-comment-position Enforce position of line comments			
linebreak-style Enforce consistent linebreak style			
lines-around-comment Require empty lines around comments			

PRINT

```
{  
|   "extends": "airbnb"  
}|
```

```
eslint --print-config .eslintrc.json > result.json
```


Наследование

Пример

class-methods-use-this

```
"class-methods-use-this": [  
    "error",  
    {  
        "exceptMethods": [  
            "render",  
            "getInitialState",  
            "getDefaultProps",  
            "getChildContext",  
            "componentWillMount",  
            "UNSAFE_componentWillMount",  
            "componentDidMount",  
            "componentWillReceiveProps",  
            "UNSAFE_componentWillReceiveProps",  
            "shouldComponentUpdate",  
            "componentWillUpdate",  
            "UNSAFE_componentWillUpdate",  
            "componentDidUpdate",  
            "componentWillUnmount",  
            "componentDidCatch",  
            "getSnapshotBeforeUpdate"  
        ],  
        "enforceForClassFields": true  
    }  
],
```

indent

```
"indent": [
  "error",
  2,
  {
    "SwitchCase": 1,
    "VariableDeclarator": 1,
    "outerIIFEBody": 1,
    "FunctionDeclaration": { "parameters": 1, "body": 1 },
    "FunctionExpression": { "parameters": 1, "body": 1 },
    "CallExpression": { "arguments": 1 },
    "ArrayExpression": 1,
    "ObjectExpression": 1,
    "ImportDeclaration": 1,
    "flatTernaryExpressions": false,
    "ignoredNodes": [
      "JSXElement",
      "JSXElement > *",
      "JSXAttribute",
      "JSXIdentifier",
      "JSXNamespacedName",
      "JSXMemberExpression",
      "JSXSpreadAttribute",
      "JSXExpressionContainer",
      "JSXOpeningElement",
      "JSXClosingElement",
      "JSXFragment",
      "JSXOpeningFragment",
      "JSXClosingFragment",
      "JSXText",
      "JSXEmptyExpression",
      "JSXSpreadChild"
    ],
    "ignoreComments": false,
    "offsetTernaryExpressions": false
  }
],
```

MORE RULES



eslint-plugin-sonarjs 🐛🐷

```
function say(a, b) {  
    print(a + " " + b);  
}  
  
say("hello", "world", "!"); // Noncompliant; last argument is not used
```

```
function foo() {  
    console.log("Hello, World!");  
}  
  
a = foo();
```



@ARDK

```
if (!(a === 2)) { ... } // Noncompliant
```

eslint-plugin-optimize-regex

Examples of **incorrect** code for this rule:

```
const re = /[a-zA-Z_0-9][A-Z_\da-z]*\e{1,}/
```

Examples of **correct** code for this rule:

```
const re = /\w+e+/
```

The two regexes have the exact same functionality.

eslint-plugin-import

```
Unable to resolve path to module 'vars'  
exported declaration ' imgUrl' not used within other modules  
exported declaration 'getSuburbanInfo' not used within other modules  
exported declaration 'getReviews' not used within other modules  
exported declaration 'getOffersByQuery' not used within other modules  
exported declaration 'getSellerPhone' not used within other modules  
exported declaration 'getDuplicatedOffers' not used within other modules  
exported declaration 'fetchFavouritesIds' not used within other modules  
exported declaration 'getFiltersOffers' not used within other modules  
exported declaration 'getSuburbanGuidBySurvey' not used within other modules  
exported declaration 'updateUserData' not used within other modules
```

```
import/no-unresolved  
import/no-unused-modules  
import/no-unused-modules
```

*** 425 problems (425 errors, 0 warnings)**

102 errors and 0 warnings potentially fixable with the `--fix` option.

 eslint-import-resolver-webpack

 eslint-import-resolver-alias

 eslint-import-resolver-typescript

```
{  
  "settings": {  
    "import/resolver": {  
      "webpack": {  
        "config": "./webpack/prod.js"  
      }  
    }  
  }  
}
```

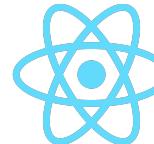
1

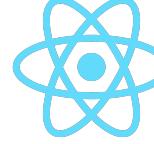
@babel/eslint-plugin

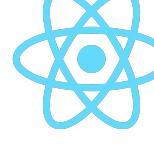
2

@typescript-eslint

Конечно это не всё

 eslint-plugin-jest

 eslint-plugin-jest-dom

 eslint-plugin-jsx-a11y

 eslint-plugin-jest

 eslint-plugin-jest-dom

 eslint-plugin-testing-library

Awesome ESLint



OPTIMISATION



time npm run lint

49.18s user 3.81s system 120% cpu 43.957 total

Measure-Command { npm run lint }



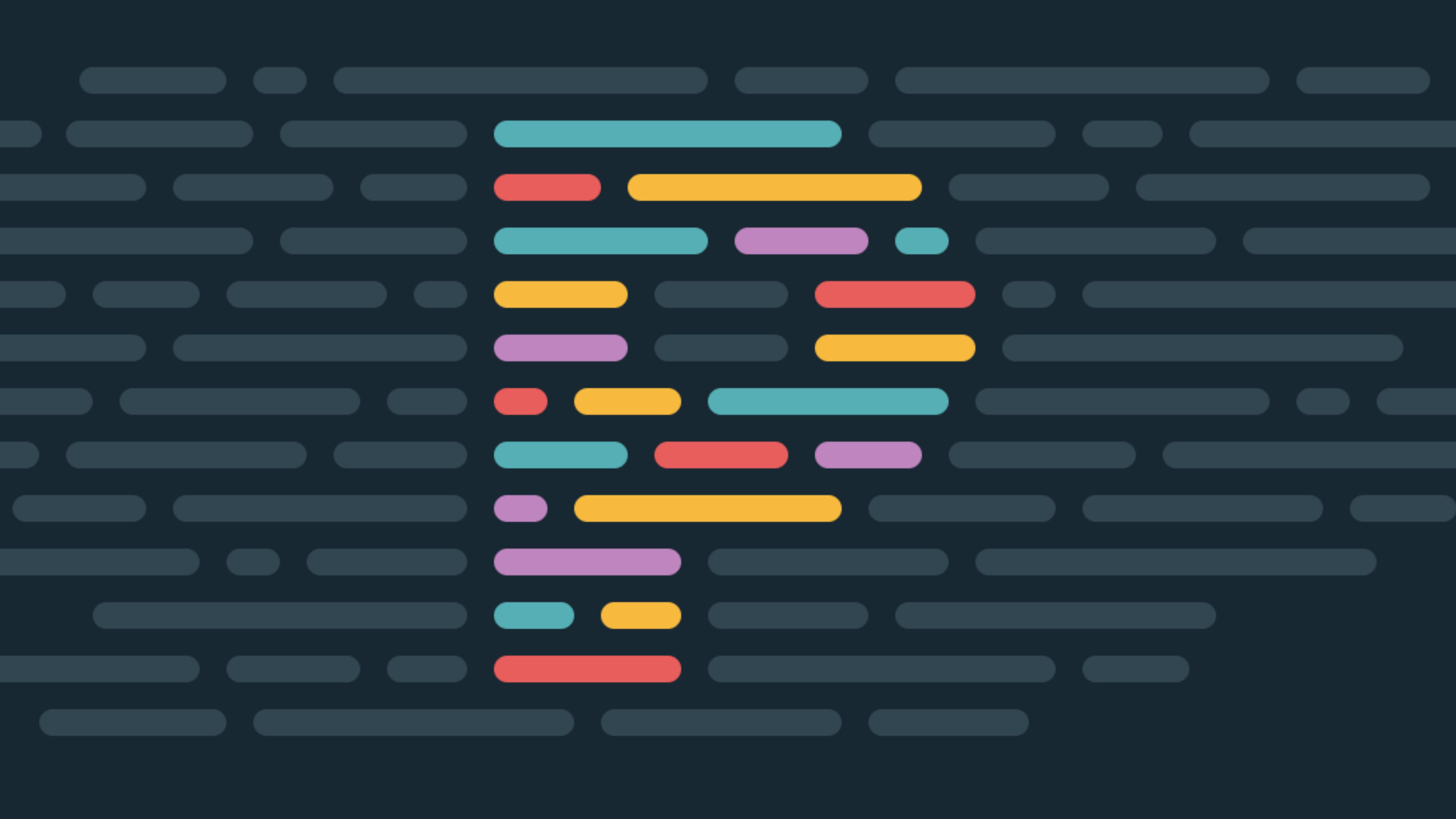
TIMING=1 npm run lint

Rule	Time (ms)	Relative
:	-----:	-----:
import/no-cycle	3415.376	70.3%
import/no-deprecated	629.206	13.0%
indent	73.903	1.5%
import/no-extraneous-dependencies	48.053	1.0%
import/no-unresolved	48.045	1.0%
import/order	47.378	1.0%
import/no-unused-modules	40.269	0.8%
array-bracket-newline	32.267	0.7%
no-unused-vars	26.885	0.6%
import/namespace	19.251	0.4%

Possible moves

- 1
проапдейтить
плагин/конфиг
до `latest`-версии
- 2
проверить,
есть ли `issue`
- 3
отключить
правило
- 4
использовать
`overrides`

```
overrides: [
  {
    files: '**/?(*.)+(spec|test).[jt]s?(x)',
    extends: [
      'plugin:jest-dom/recommended',
      'plugin:jest/all'
    ],
    rules: {
      /* turn off or enable and configure rules */
      'jest/no-hooks': 'off',
      'jest/prefer-expect-assertions': ['error', { onlyFunctionsWithAsyncKeyword: true }],
      'max-lines': 'off'
      /* and so on till the end... */
    }
  }
]
```



10% - 15%



SHARE

Benefit

1

1

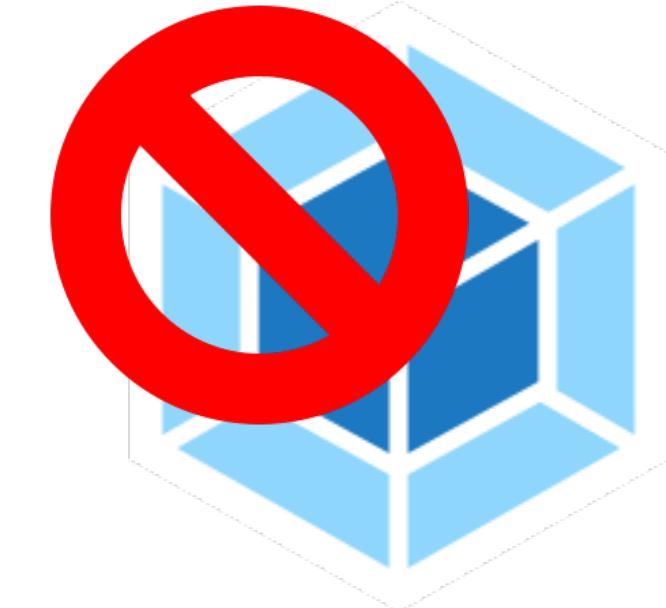
консистентность

2
легче вносить
изменения

3

все зависимости
в одном месте

```
"dependencies": {  
    "@babel/core": "7.18.9",  
    "@babel/eslint-parser": "7.18.9",  
    "@babel/eslint-plugin": "7.16.5",  
    "@typescript-eslint/eslint-plugin": "5.15.0",  
    "@typescript-eslint/parser": "5.31.0",  
    "eslint": "8.7.0",  
    "eslint-import-resolver-typescript": "3.3.0",  
    "eslint-import-resolver-webpack": "0.13.2",  
    "eslint-plugin-import": "2.25.4",  
    "eslint-plugin-jest": "26.0.0",  
    "eslint-plugin-jest-dom": "4.0.1",  
    "eslint-plugin-jsx-ally": "6.5.1",  
    "eslint-plugin-optimize-regex": "1.2.1",  
    "eslint-plugin-react": "7.28.0",  
    "eslint-plugin-react-hooks": "4.3.0",  
    "eslint-plugin-sonarjs": "0.11.0",  
    "eslint-plugin-testing-library": "5.0.4"  
},
```



webpack

Denis Krasnovskiy and Denis Krasnovskiy fix naming

db7adc1 11 seconds ago  3 commits

	.gitignore	add example	26 days ago
	LICENSE	Initial commit	28 days ago
	README.md	fix naming	11 seconds ago
	index.js	fix naming	11 seconds ago
	package-lock.json	add example	26 days ago
	package.json	fix naming	11 seconds ago

- -fix

/Users/dikrasnovskii/ssr-boilerplate/src/server/tg.js

<u>3:18 error</u>	Unable to resolve path to module 'vars'	import/no-unresolved
<u>9:11 error</u>	Unexpected dangling '_' in '_message'	no-underscore-dangle
<u>10:48 error</u>	Unexpected space(s) after '\${{'	template-curly-spacing
<u>10:61 error</u>	Unexpected space(s) before '}'	template-curly-spacing
<u>10:86 error</u>	Unexpected space(s) after '\${{'	template-curly-spacing
<u>10:97 error</u>	Unexpected space(s) before '}'	template-curly-spacing
<u>11:43 error</u>	Unexpected space(s) after '\${{'	template-curly-spacing
<u>11:52 error</u>	Unexpected space(s) before '}'	template-curly-spacing
<u>13:27 error</u>	Expected parentheses around arrow function argument	arrow-parens
<u>13:36 warning</u>	Unexpected console statement	no-console

*** 314 problems (305 errors, 9 warnings)**

176 errors and 0 warnings potentially fixable with the '--fix' option.

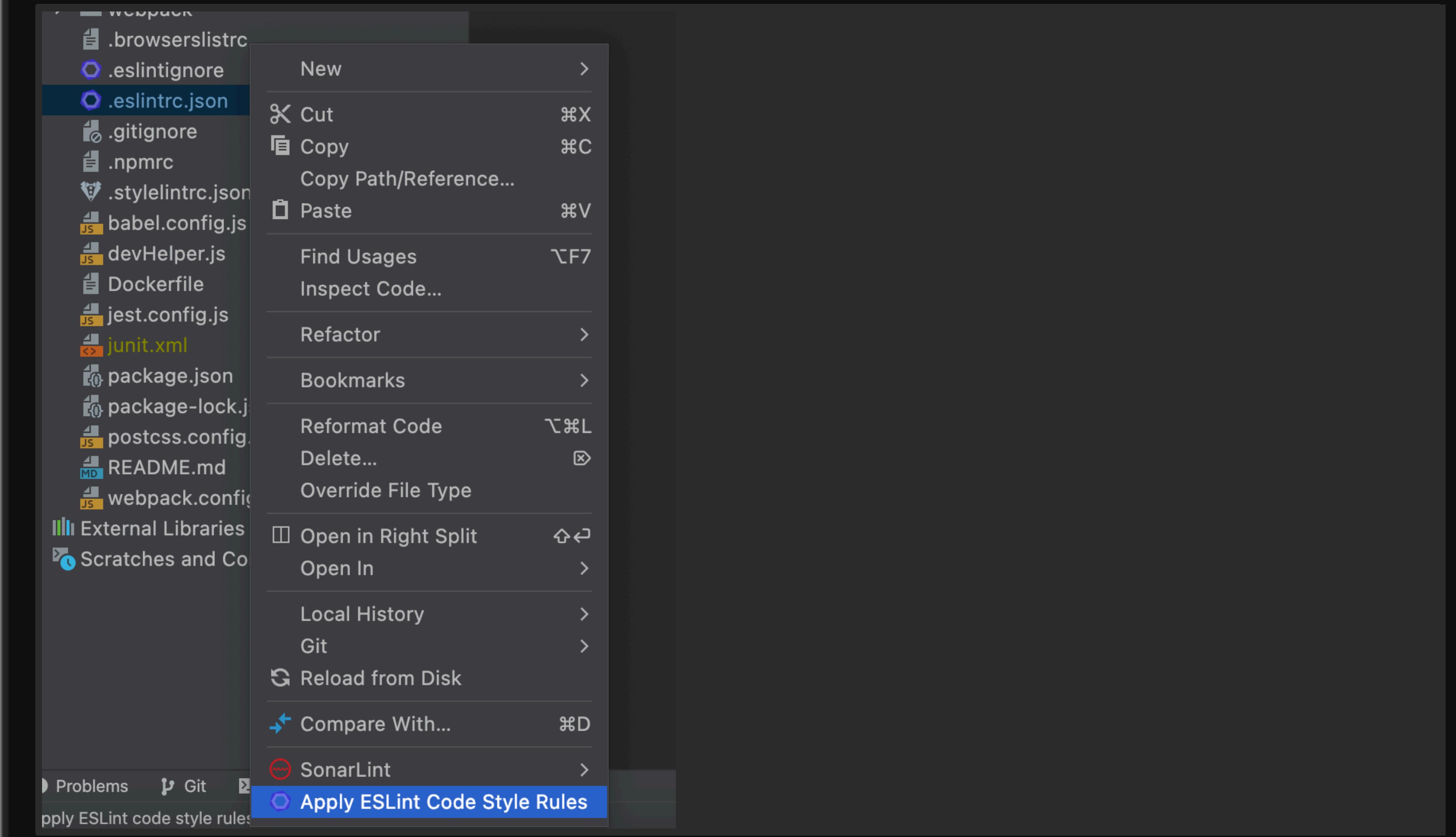
```
eslint src/ --fix --ext .js,.jsx
```

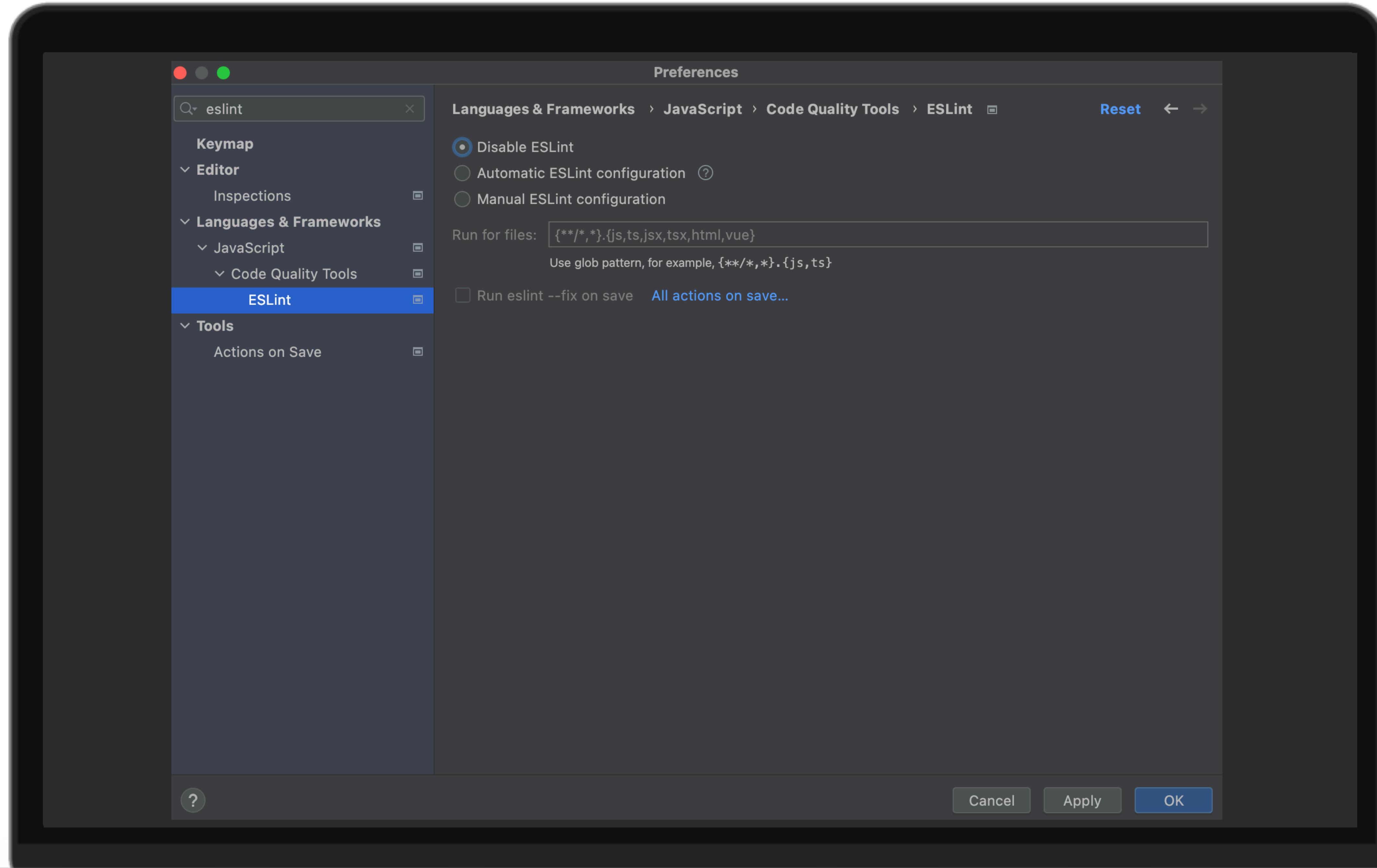
```
/Users/dikrasnovskii/ssr-boilerplate/src/server/tg.js
```

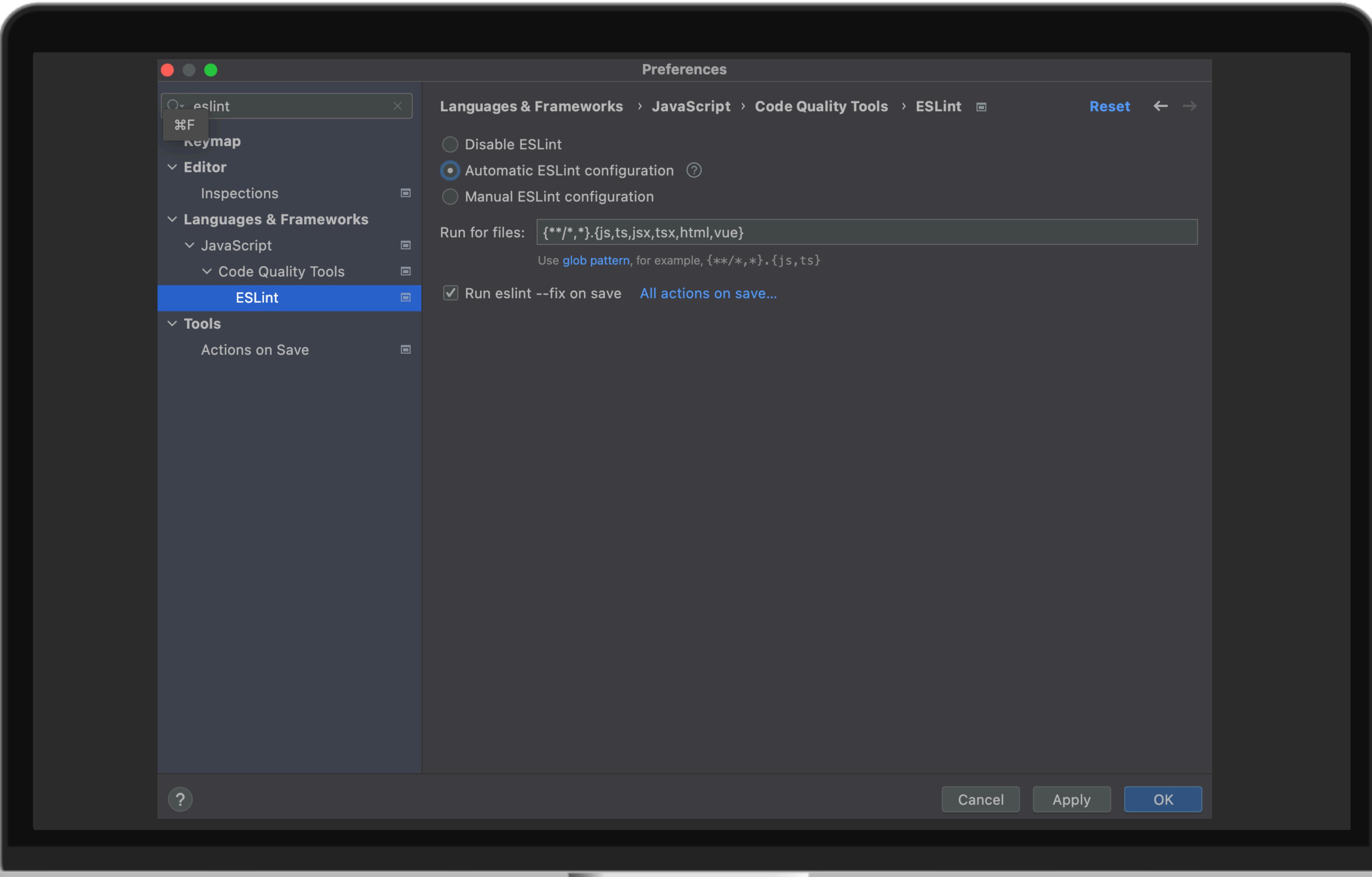
```
 3:18  error    Unable to resolve path to module 'vars'  import/no-unresolved
  9:11  error    Unexpected dangling '_' in '_message'  no-underscore-dangle
13:38  warning  Unexpected console statement          no-console
```

```
* 138 problems (129 errors, 9 warnings)
```









FIX ERRORS

/Users/dikrasnovskii/buildings_front/src/server/tg.js

9:11 error Unexpected dangling '_' in '_message' no-underscore-dangle
13:38 warning Unexpected console statement no-console

/Users/dikrasnovskii/buildings_front/src/vars.js

37:7 error Unexpected dangling '_' in '__APP_VARS__' no-underscore-dangle
37:7 error 'window' is not defined no-undef

*** 4564 problems (4530 errors, 34 warnings)**



--fix

ВЫКЛЮЧИТЬ ПРАВИЛО ИЛИ
ПОМЕТИТЬ КАК warning



ALMOST FINISHED



Прочитать
документацию,
понять в чем был
не прав,
исправить

```
rules: {  
    'no-redeclare': 'off',  
    'no-delete-var': 'off',  
    /* мешает */  
    'no-constructor-return': 'off',  
    /* потом исправлю */  
    'no-duplicate-imports': 'off',  
    /* не пойму что хочет */  
    'no-promise-executor-return': 'off',  
    /* а почему бы и нет? */  
    'no-self-compare': 'off',
```

Yes, you can

оптимизировать
скорость работы

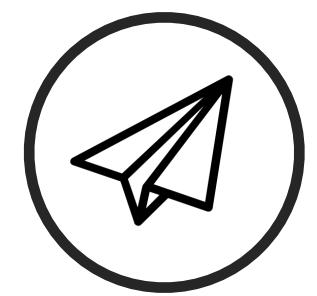
не забыть настроить
IDE :)

найти новые правила

сделать
реузабельный
конфиг

saved time === eslint





telegram:
@jquery_dlya_slabih

