

Exploring the ESLint Ecosystem



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Agenda



Importing Configs & Plugins from NPM

Creating Configs & Plugins

Sharing with ESLint



Config

A shareable module. Exports a JS object that is read by ESLint



Plugin

A shareable module. Exports custom rules that can be imported.

Config



JS Config Object

.eslintrc config

```
{  
  
  env: {  
    node: true  
  },  
  
  rules: {  
    "no-console": "error",  
    "no-alert": "error",  
  }  
  
}
```

◀ Node environment

◀ Turn on these ESLint core rules

.eslintrc config

```
{
  extends: [ "eslint:recommended" ],

  env: {
    node: true
  },

  rules: {
    "no-console": "error",
    "no-alert": "error",
  }
}
```

◀ First, load the
ESLint:recommended
configuration

◀ Node environment

◀ Then, load our rules as well

.eslintrc config

```
{
  extends: [ "airbnb" ],

  env: {
    node: true
  },

  rules: {
    "no-console": "error",
    "no-alert": "error",
  }
}
```

◀ First, load the airbnb configuration from node_modules

Plugin



Contains custom rules

Can contain config

.eslintrc config

```
{
  plugins: ["react"],

  env: {
    node: true
  },

  rules: {
    "react/no-danger": "error",
    "no-alert": "error",
  }
}
```

◀ Load the React plugin from node_modules

◀ Turn on the no-danger react rule



Config

eslint-config-*



Plugin

eslint-plugin-*

How ESLint Loads Config Files

Current folder

Config exists?

~/dev/ps_eslint/plugin_examples/

.eslintrc.json

How ESLint Loads Config Files

Parent folder

~/dev/ps_eslint/

Config exists?

.eslintrc.json

How ESLint Loads Config Files

Parent folder

~/dev/

Config exists?

.eslintrc.json

How ESLint Loads Config Files

Parent folder

/

Config exists?

.eslintrc.json

How ESLint Loads Config Files

Current folder

~/dev/ps_eslint/plugin_examples/.eslintrc.json



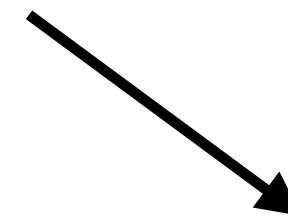
Highest precedence

~/dev/ps_eslint/.eslintrc.json



~/dev/

/



Combined config

How ESLint Loads Config Files

Current folder

~/dev/ps_eslint/plugin_examples/.eslintrc.json



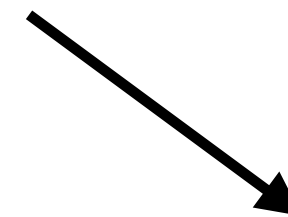
ROOT

~/dev/ps_eslint/.eslintrc.json



~/dev/

/



Combined config

How ESLint Loads Config Files

Current folder

~/dev/ps_eslint/plugin_examples/.eslintrc.json



ROOT



Config

Summary

Configurations vs Plugins

Importing Configs & Plugins from NPM

Creating Configs & Plugins