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Steps to Configure ESLINT in vs code and Visual Studio

**Introduction**

ESLint is an open source JavaScript linting utility originally created by Nicholas C. Zakas in June 2013. Code linting is a type of static analysis that is frequently used to find problematic patterns or code that doesn’t adhere to certain style guidelines. There are code linters for most programming languages, and compilers sometimes incorporate linting into the compilation process.

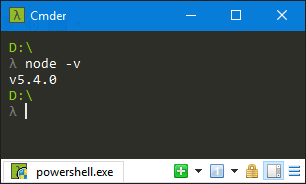
JavaScript, being a dynamic and loosely-typed language, is especially prone to developer error. Without the benefit of a compilation process, JavaScript code is typically executed in order to find syntax or other errors. Linting tools like ESLint allow developers to discover problems with their JavaScript code without executing it.



**Steps**

1. Download and install the latest version of [**Node.js**](https://nodejs.org/en/)
2. Check the installed version of Node.js using

|  |  |
| --- | --- |
| 1 | node -v |

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1. Use [**npm**](https://www.npmjs.com/) (installed with Node.js) to install ESLint (option -g is to install it globally so you don't need to do it in every project)
   * Default ESLint
     + *npm install -g eslint*
   * Airbnb
     + *npm i -g eslint eslint-config-airbnb-base eslint-plugin-import*
   * Custom Config for Viacom
     + *npm i -g eslint eslint-config-viacom-sharepoint*
2. Configure Global ESLint configuration
   * cd %userprofile%
   * code .eslintrc
3. Add below JSON in the. eslintsrc file and save
   * Default ESLint

*{ /\* See all the pre-defined configs here: https://www.npmjs.com/package/eslint-config-defaults \*/*

*"extends": [*

*"eslint:recommended"*

*],*

*"parser": "babel-eslint",*

*"ecmaFeatures": {*

*"jsx": true*

*},*

*"plugins": [*

*],*

*"env": {*

*"amd": true,*

*"browser": true,*

*"jquery": true,*

*"node": true,*

*"es6": true,*

*"worker": true*

*},*

*"rules": {*

*}*

*}*

* + Airbnb:

*{ /\* SEE ALL THE PRE-DEFINED CONFIGS HERE: HTTPS://WWW.NPMJS.COM/PACKAGE/ESLINT-CONFIG-DEFAULTS \*/*

*"EXTENDS": [*

*"airbnb-base"*

*],*

*"PARSER": "BABEL-ESLINT",*

*"ECMAFEATURES": {*

*"JSX": TRUE*

*},*

*"PLUGINS": [*

*],*

*"ENV": {*

*"AMD": TRUE,*

*"BROWSER": TRUE,*

*"JQUERY": TRUE,*

*"NODE": TRUE,*

*"ES6": TRUE,*

*"WORKER": TRUE*

*},*

*"RULES": {*

*}*

*}*

* + Custom Viacom Config

*{ /\* SEE ALL THE PRE-DEFINED CONFIGS HERE: HTTPS://WWW.NPMJS.COM/PACKAGE/ESLINT-CONFIG-DEFAULTS \*/*

*"EXTENDS": [*

*"eslint-config-viacom-sharepoint"*

*],*

*"PARSER": "BABEL-ESLINT",*

*"ECMAFEATURES": {*

*"JSX": TRUE*

*},*

*"PLUGINS": [*

*],*

*"ENV": {*

*"AMD": TRUE,*

*"BROWSER": TRUE,*

*"JQUERY": TRUE,*

*"NODE": TRUE,*

*"ES6": TRUE,*

*"WORKER": TRUE*

*},*

*"RULES": {*

*}*

*}*

1. Open Visual Studio Code and press F1
2. Enter the following command to install ESLint
   * ext install (enter)
   * ESLint
   * Click on install button from search window
3. Open Visual Studio, from the menu:
   * Tools --> Options --> Text Editor --> Javascript/Typescript Set Enable Eslint to True (if it's not already)

Once, you have installed these extensions, you will see some alerts if the code does not meet the default rules.