

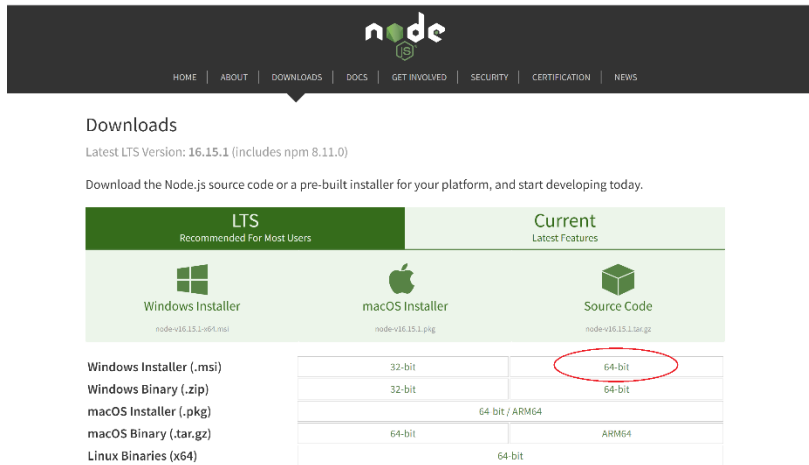
Setting up Vue.js in VsCode

Before you set up for vue.js in VsCode, make sure that you've already installed node.js and yarn on your computer. So first we will install node.js and yarn first.

Install Node.js

1. Go to <https://nodejs.org/en/download/>.

2. Choose the version and type based on your pc type. Here we will take Windows Installer (.msi), 64-bit version and **LTS Version: 16.15.1** as example.



3. click the button within the circle, your browser will create an automatic download task, click the icon after the download is complete, it will be as shown in the figure.

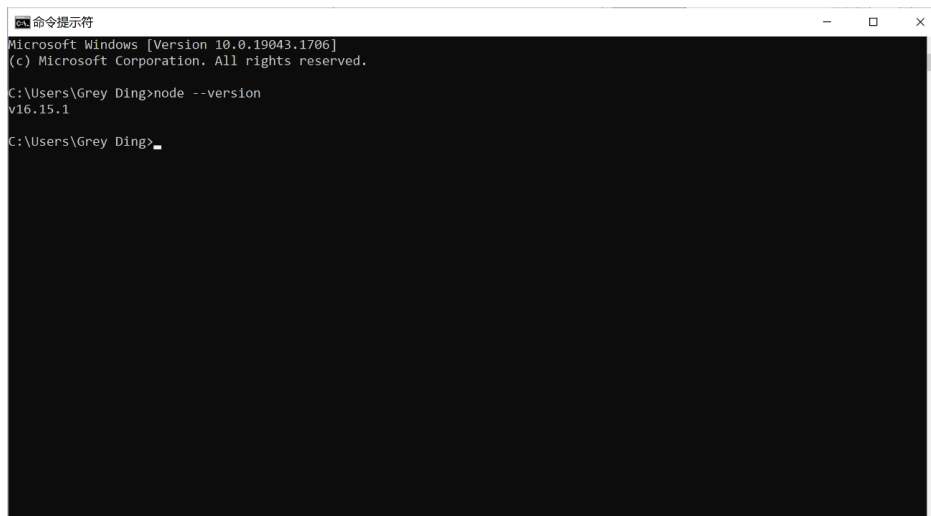


4. After clicking the "I accept the terms in the License Agreement" icon, decide where do you want to install node.js. (In my case, the directory is D:\NodeJS) keep everything as default settings and click next. Then node.js should be installed.

5. After installed, open Command Prompt to check if installation is successful. Run following instruction in the Command Prompt:

Node --version

And result should be like this:



```
命令提示符
Microsoft Windows [Version 10.0.19043.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Grey Ding>node --version
v16.15.1

C:\Users\Grey Ding>
```

6. Congratulations! Node.js has been successfully installed to your pc!

Install yarn

1. If you are using a windows computer, It is recommended to install Yarn through the npm package manager, which comes bundled with Node.js when you install it on your system.

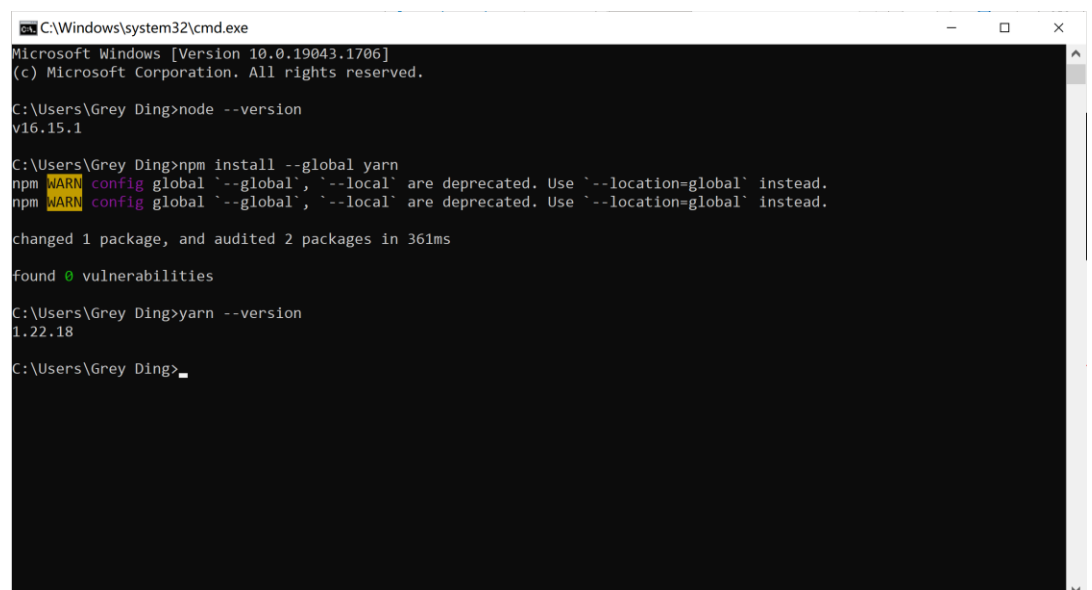
Open Command Prompt, Run following instruction to install and update yarn:

npm install --global yarn

after installation, Run following instruction:

yarn --version

And result should be like this:



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Grey Ding>node --version
v16.15.1

C:\Users\Grey Ding>npm install --global yarn
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.
npm WARN config global '--global', '--local' are deprecated. Use '--location=global' instead.

changed 1 package, and audited 2 packages in 361ms

found 0 vulnerabilities

C:\Users\Grey Ding>yarn --version
1.22.18

C:\Users\Grey Ding>
```

2. Congratulations! yarn has been successfully installed to your pc!

3. if you are a mac/Linux user, check <https://classic.yarnpkg.com/lang/en/docs/install/#windows-stable> for more information.

Install Vue CLI

1. Check for node.js and yarn, make sure they have been successfully installed.
2. Open Command Prompt, and run the following command:

npm install -g @vue/cli

And your pc should be started to install Vue CLI like this:

```
C:\Windows\system32\cmd.exe - "node" "C:\Users\Grey Ding\AppData\Roaming\npm\node_modules\yarn\bin\yarn.js" global ad...
found 0 vulnerabilities

C:\Users\Grey Ding>yarn --version
1.22.18

C:\Users\Grey Ding>Yarn global add @vue/cli
yarn global v1.22.18
[1/4] Resolving packages...
warning @vue/cli > @vue/cli-ui > apollo-server-express > subscriptions-transport-ws@0.9.19: The `subscriptions-transport-ws` package is no longer maintained. We recommend you use `graphql-ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws. For general help using `graphql-ws`, see https://github.com/enisdenjo/graphql-ws/blob/master/README.md
warning @vue/cli > @vue/cli-ui > apollo-server-express > apollo-server-core > subscriptions-transport-ws@0.9.19: The `subscriptions-transport-ws` package is no longer maintained. We recommend you use `graphql-ws` instead. For help migrating Apollo software to `graphql-ws`, see https://www.apollographql.com/docs/apollo-server/data/subscriptions/#switching-from-subscriptions-transport-ws. For general help using `graphql-ws`, see https://github.com/enisdenjo/graphql-ws/blob/master/README.md
warning @vue/cli > @vue/cli-ui > apollo-server-express > graphql-tools@4.0.8: This package has been deprecated and now it only exports makeExecutableSchema. And it will no longer receive updates. We recommend you to migrate to scoped packages such as @graphql-tools/schema, @graphql-tools/utils and etc. Check out https://www.graphql-tools.com to learn what package you should use instead
warning @vue/cli > @vue/cli-ui > apollo-server-express > apollo-server-core > graphql-tools@4.0.8: This package has been deprecated and now it only exports makeExecutableSchema. And it will no longer receive updates. We recommend you to migrate to scoped packages such as @graphql-tools/schema, @graphql-tools/utils and etc. Check out https://www.graphql-tools.com to learn what package you should use instead
warning @vue/cli > @vue/cli-ui > apollo-server-express > graphql-tools > uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.
minimist@1.2.6
```

3. After the installation, you can run the following command to test if the installation is successful:

Vue --version

And result should be like this:

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19043.1706]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Grey Ding>vue --version
@vue/cli 5.0.4

C:\Users\Grey Ding>
```

4. Congratulations! Vue CLI has been successfully installed to your pc!

Setting up Vue in VsCode

1. To set up in VsCode we need to create a new project first. You can now create a new Vue.js application by typing:

```
vue create my-app
```

where **my-app** is the name of the folder for your application. You will be prompted to select a preset and you can keep the default (**babel, eslint**), which will use [Babel](#) to transpile the JavaScript to browser compatible ES5 and install the [ESLint](#) linter to detect coding errors. It may take a few minutes to create the Vue application and install its dependencies.

2. When choose default package manager, choose npm.
3. Let's quickly run our Vue application by navigating to the new folder and typing **npm run serve** to start the web server and open the application in a browser:

```
cd my-app
```

```
npm run serve
```

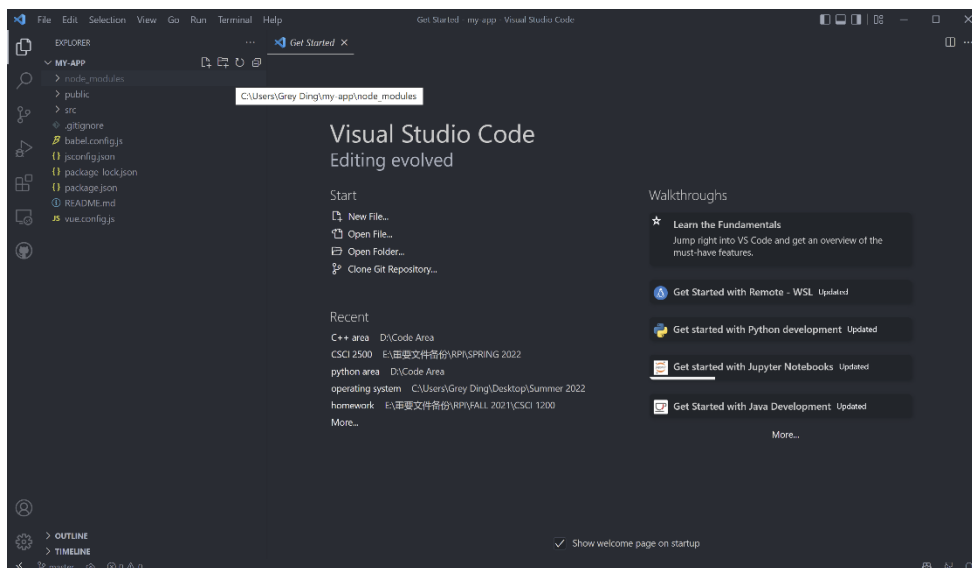
You should see "Welcome to your Vue.js App" on <http://localhost:8080> in your browser. You can press **Ctrl+C** to stop the **vue-cli-service** server.

4. To open your Vue application in VS Code, from a terminal (or command prompt), navigate to the **my-app** folder and type **code .**:

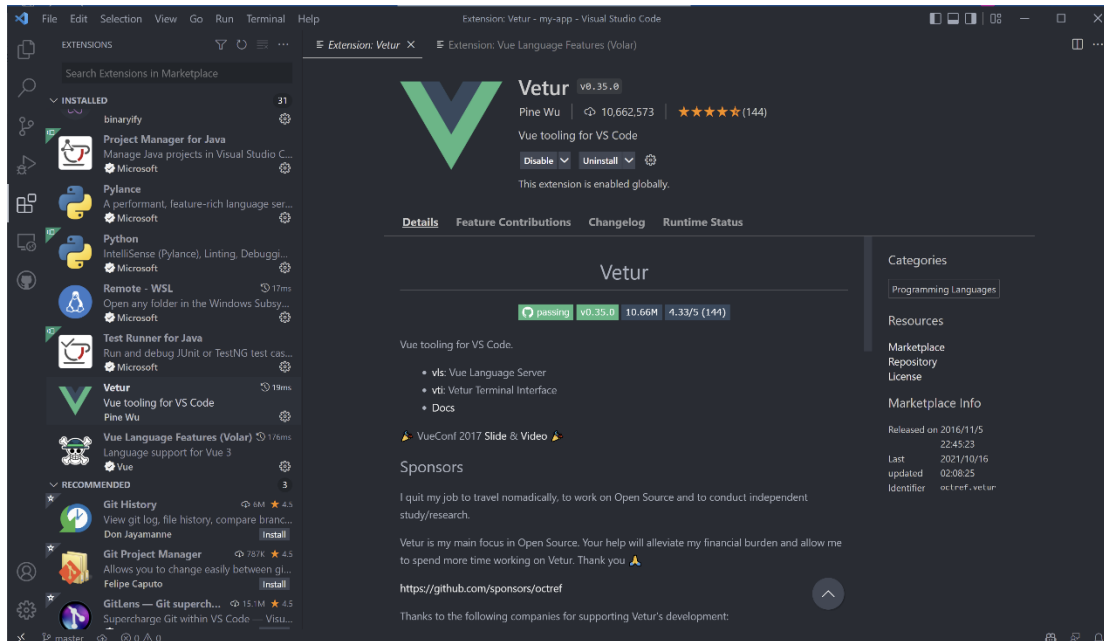
```
Cd my-app
```

```
Code .
```

VS Code will launch and display your Vue application in the File Explorer like this.



5. Now expand the `src` folder and select the `App.vue` file. You'll notice that VS Code doesn't show any syntax highlighting and it treats the file as **Plain Text** as you can see in the lower right Status Bar. You'll also see a notification recommending the [Vetur](#) extension for the `.vue` file type. From the notification, press **Install** to download and install the Vetur extension. You should see the Vetur extension **Installing** in the Extensions view. Once the installation is complete (may take several minutes), the **Install** button will change to the **Manage** gear button.



Basic Hello World

Let's update the sample application to "Hello World!". In `App.vue` replace the HelloWorld component `msg` custom attribute text with "Hello World!".

```
<template>

  <div id="app">

    <HelloWorld msg="Hello World!"/>

  </div>

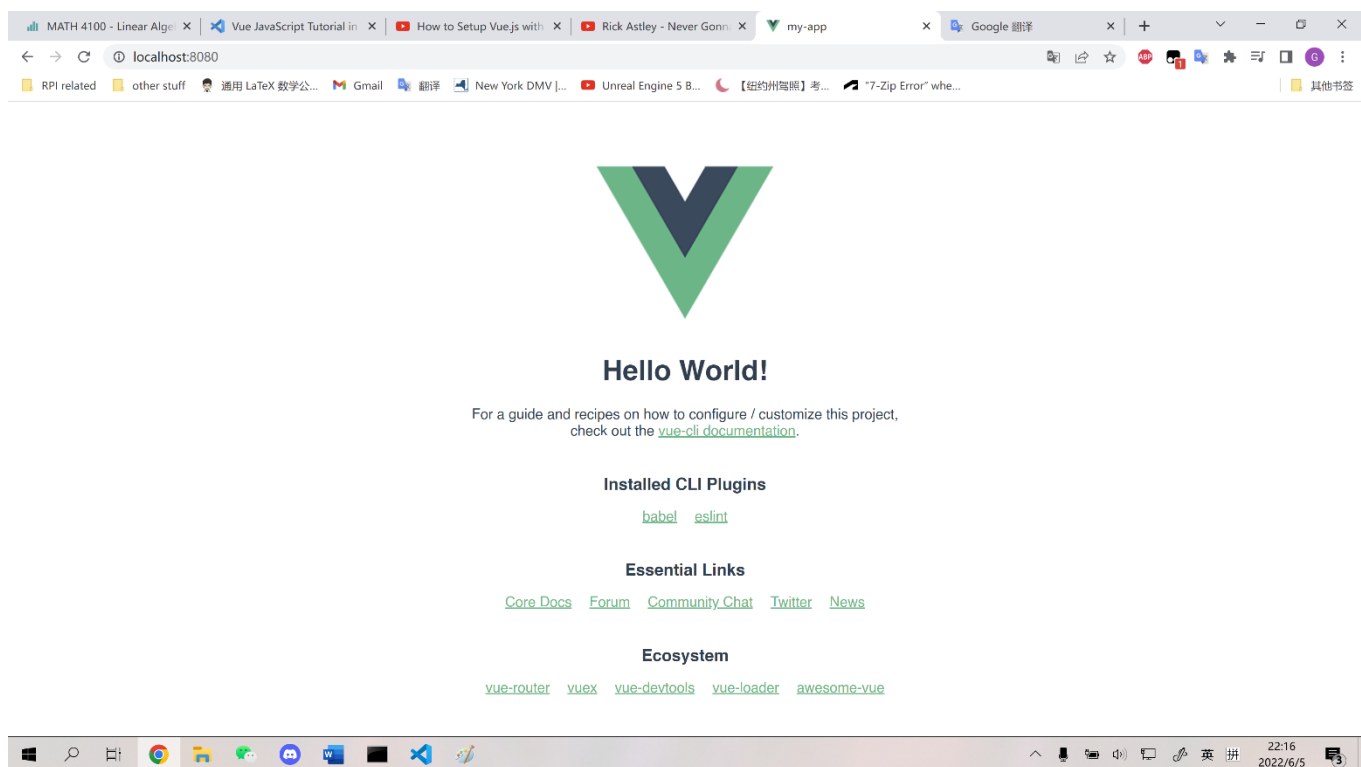
</template>
```

Once you save the `App.vue` file (`Ctrl+S`), restart the server with `npm run serve` and you'll see "Hello World!".

```
C:\Windows\system32\cmd.exe
DONE Compiled successfully in 3116ms
22:14:14

App running at:
- Local: http://localhost:8080/
- Network: unavailable

Note that the development build is not optimized.
To create a production build, run npm run build.
```



Congratulations! Now you finished all the set up for Vue.js in VsCode, now enjoy coding!

Tips

These videos and websites might be helpful for you when learning vue.js:

<https://www.youtube.com/watch?v=dQw4w9WgXcQ>

<https://www.youtube.com/watch?v=qZXt1Aom3Cs>

<https://vuejs.org/guide/introduction.html>

<https://www.runoob.com/vue2/vue-tutorial.html> (it's a Chinese website)