# Getting started with Cypress

A complete step by step guide by **M Haseeb Jamil** 

#### **LinkedIn Profile Link**

### What is Cypress

Cypress is a JavaScript-based end-to-end testing tool designed for modern web test automation. This developer-friendly tool operates directly in the browser using a DOM manipulation technique and enables front-end developers and QA engineers to write automated web tests while eliminating pain points.

## Prerequisite:

#### Install any javascript base IDE:

- We can install any JavaScript IDE to write our script e.g., VS Code ,Sublime ,Web Storm. Here is the link of VS Code installation.
  - VS Code Installation link for Mac, Windows, & Linux.

#### **Install Node.js:**

• Node.js installation link for Mac, Windows, & Linux.

#### Note:

Follow the given first 2 steps only if you want to Install Cypress in the Standalone Project otherwise you can skip them and start from step 3 if you are integrating it into the Front-end Project.

# Stepwise guide

#### Open Terminal and move to your workspace

#### 1. Create Project Directory

\$ mkdir CypressAutomation

\$ cd CypressAutomation

#### 2. Install package.json

Write command "npm init -y" to download package.json.

After installing type **yes** if shows in terminal y/n.

\$ npm init -y

\$ yes

#### 3. Installing Cypress

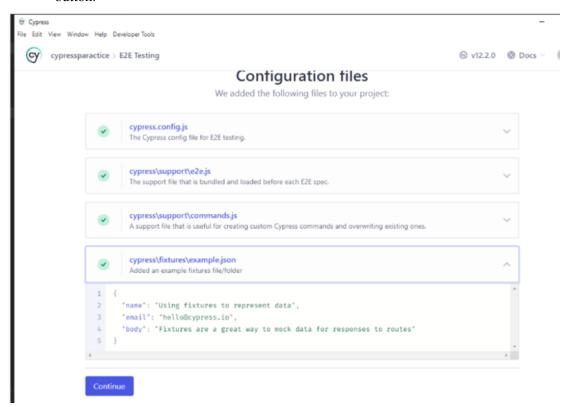
\$ npm install cypress --save-dev

#### 4. Opening Cypress

\$ npx cypress open

#### **Step 3:**

• Select all the configuration files if these are not selected by default and click on the **Continue** button.

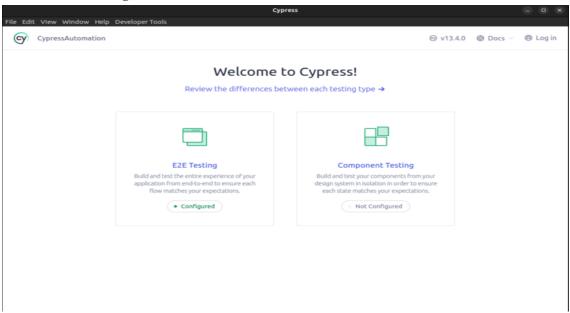


#### **Step 4: Configuration File**

This is the Configuration file by default and you can customize it according to your requirements.

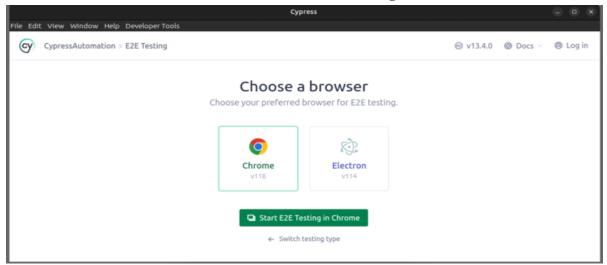
• Here is an example of Customized Config File

Step 5: Click on E2E Testing



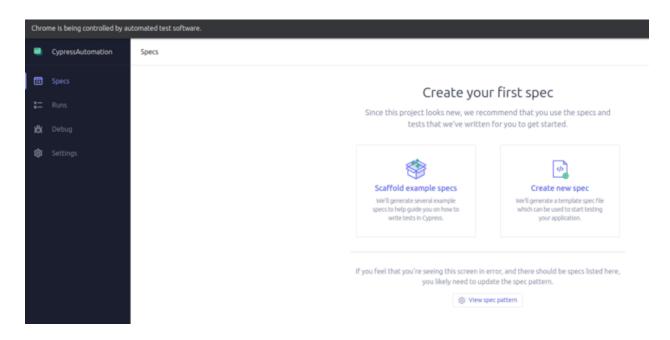
#### **Step 6: Choose a browser:**

Select the desired browser and click on Start E2E Testing



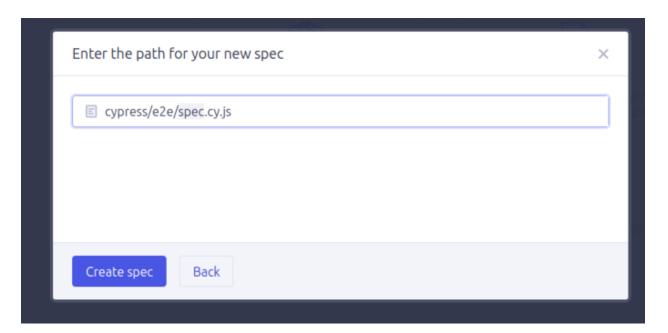
#### **Step 7: Create First Spec:**

• Click on the Create new spec.



#### **Step 8:**

• Click on the Create spec



#### Step 9:

• Click on the Okay, run the spec



Congrats..! You have successfully run your first e2e Test.

• Now go to IDE Create New spec Files cypress/e2e/testcasename.cy.js and write test cases as many as you want

```
File Edit Selection View Go Run Terminal Help
        EXPLORER
                                          JS spec.cy.js X
仚

∨ CYPRESSAUTOMATION

                                          cypress > e2e > JS spec.cy.js > ...
                                                 describe('template spec', () => {
        cypress
                                                    it('passes', () => {
         ∨ e2e
                                                      cy.visit('https://example.cypress.io')
         > fixtures
                                                  30
         > support
        > node_modules
       JS cypress.config.js
{} package-lock.json
       {} package.json
```