

Lesson 02 Demo 02

Create E2E Configuration

Objective: To create E2E configuration in Cypress

Tools required: Visual Studio Code

Prerequisites: Angular

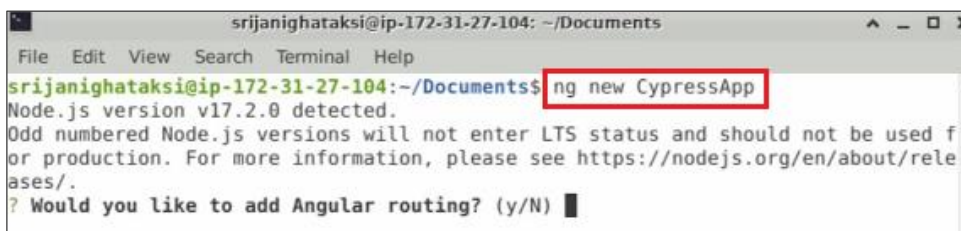
Steps to be followed:

1. Install the Cypress dependencies
2. Configure the ng e2e command

Step 1: Install the Cypress dependencies

- 1.1 Run the following commands to create a new Angular project and answer **y** for all the successive queries:

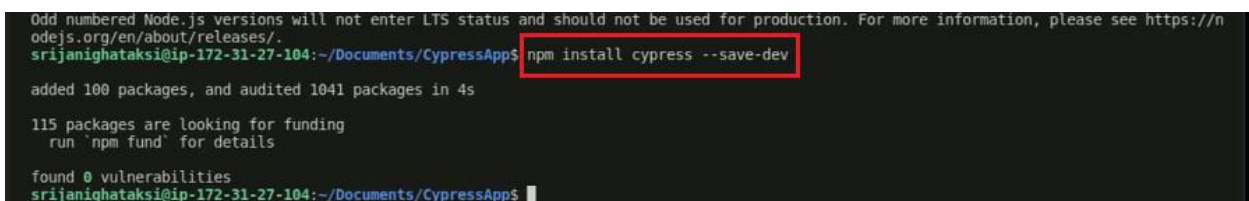
ng new CypressApp



```
srijanighataksi@ip-172-31-27-104: ~/Documents
File Edit View Search Terminal Help
srijanighataksi@ip-172-31-27-104:~/Documents$ ng new CypressApp
Node.js version v17.2.0 detected.
Odd numbered Node.js versions will not enter LTS status and should not be used for production. For more information, please see https://nodejs.org/en/about/releases/.
? Would you like to add Angular routing? (y/N)
```

- 1.2 Install Cypress dependencies using the following commands:

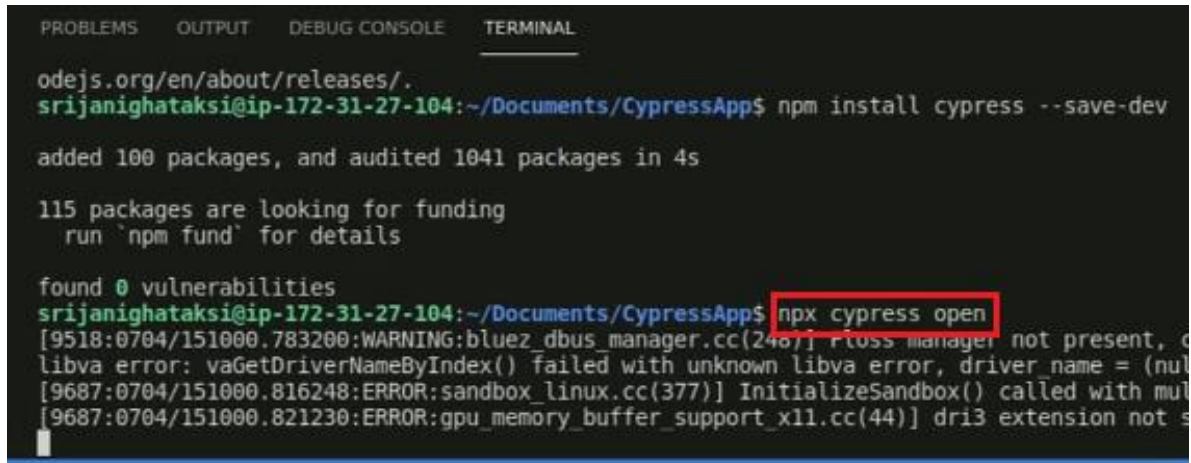
npm install cypress --save-dev



```
Odd numbered Node.js versions will not enter LTS status and should not be used for production. For more information, please see https://nodejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$ npm install cypress --save-dev
added 100 packages, and audited 1041 packages in 4s
115 packages are looking for funding
  run 'npm fund' for details
found 0 vulnerabilities
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$
```

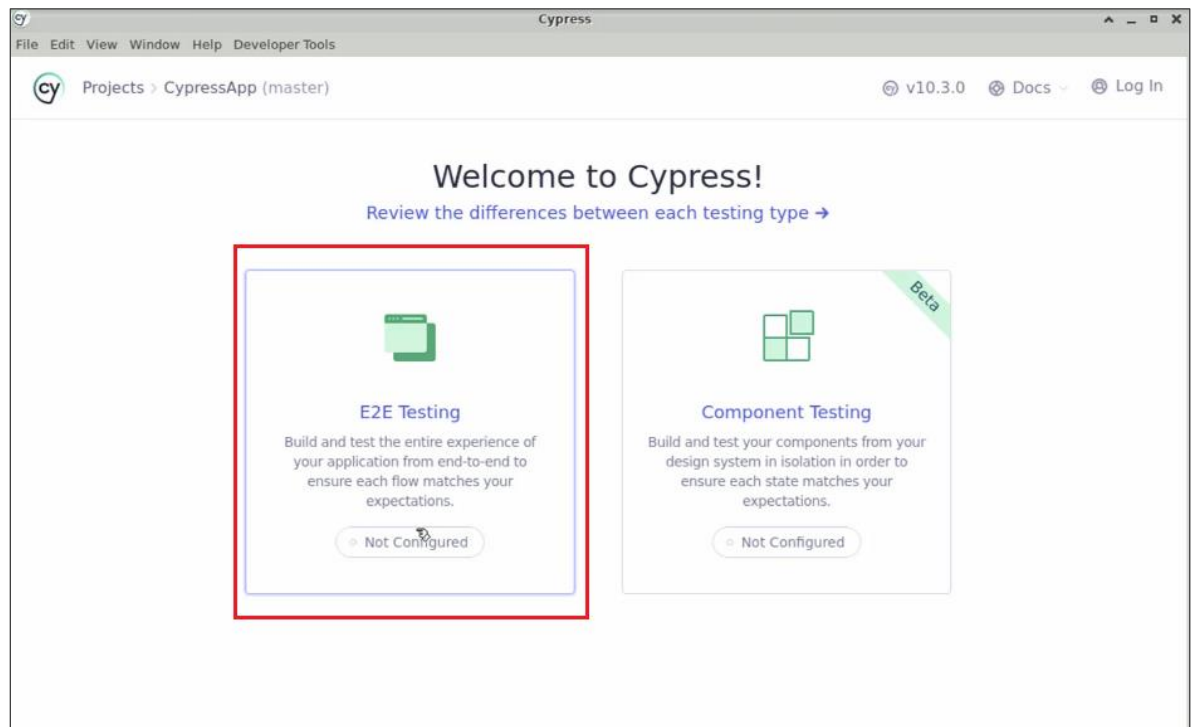
1.3 Open Cypress Launchpad using the following command:

npx cypress open

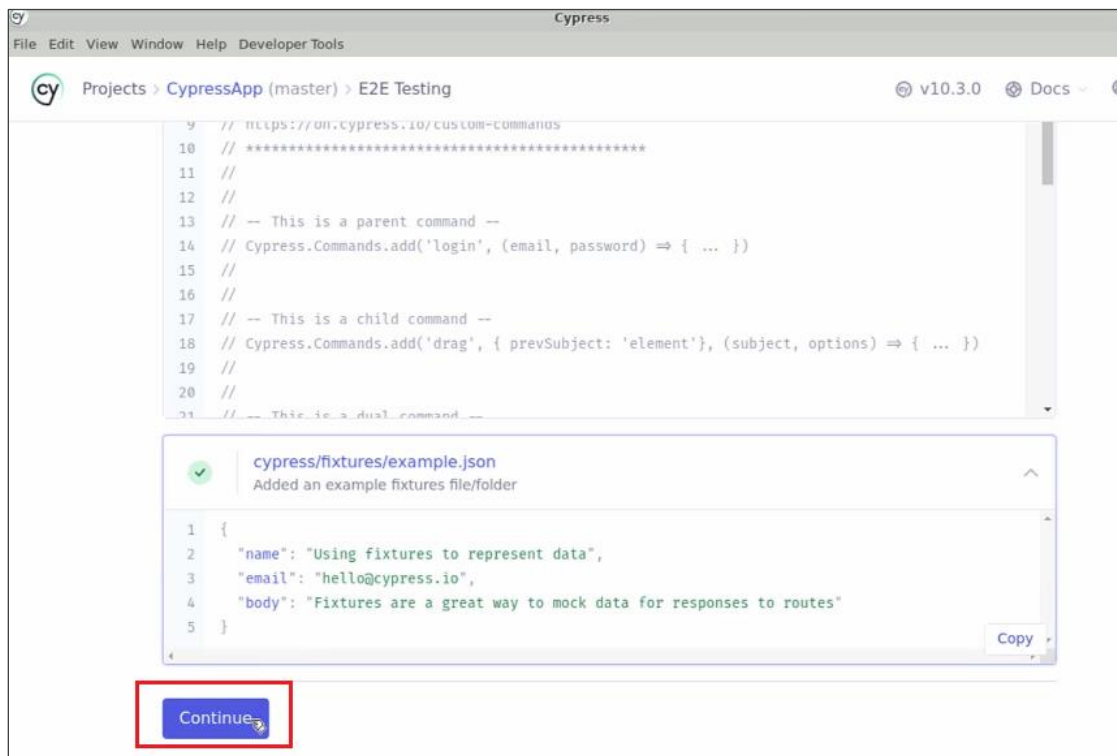
A terminal window with tabs for PROBLEMS, OUTPUT, DEBUG CONSOLE, and TERMINAL. The terminal shows the command 'npm install cypress --save-dev' being executed, followed by output indicating 100 packages added and 1041 packages audited. Then, 'npx cypress open' is entered and highlighted with a red box. The terminal also shows some warnings and errors related to the dbus manager and sandbox initialization.

```
odejs.org/en/about/releases/.
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$ npm install cypress --save-dev
added 100 packages, and audited 1041 packages in 4s
115 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities
srijanighataksi@ip-172-31-27-104:~/Documents/CypressApp$ npx cypress open
[9518:0704/151000.783200:WARNING:bluez_dbus_manager.cc(248)] floss manager not present,
libva error: vaGetDriverNameByIndex() failed with unknown libva error, driver name = (nul
[9687:0704/151000.816248:ERROR:sandbox_linux.cc(377)] InitializeSandbox() called with mul
[9687:0704/151000.821230:ERROR:gpu_memory_buffer_support_x11.cc(44)] dri3 extension not s
```

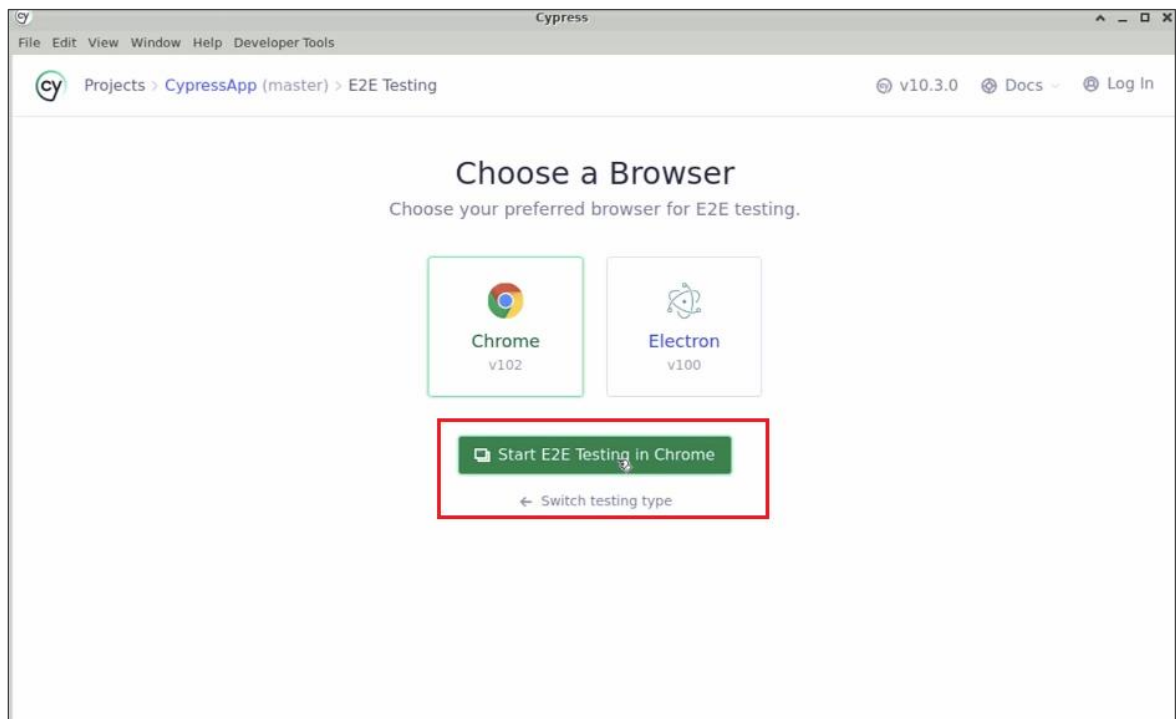
1.4 Click on **E2E Testing** in the popup



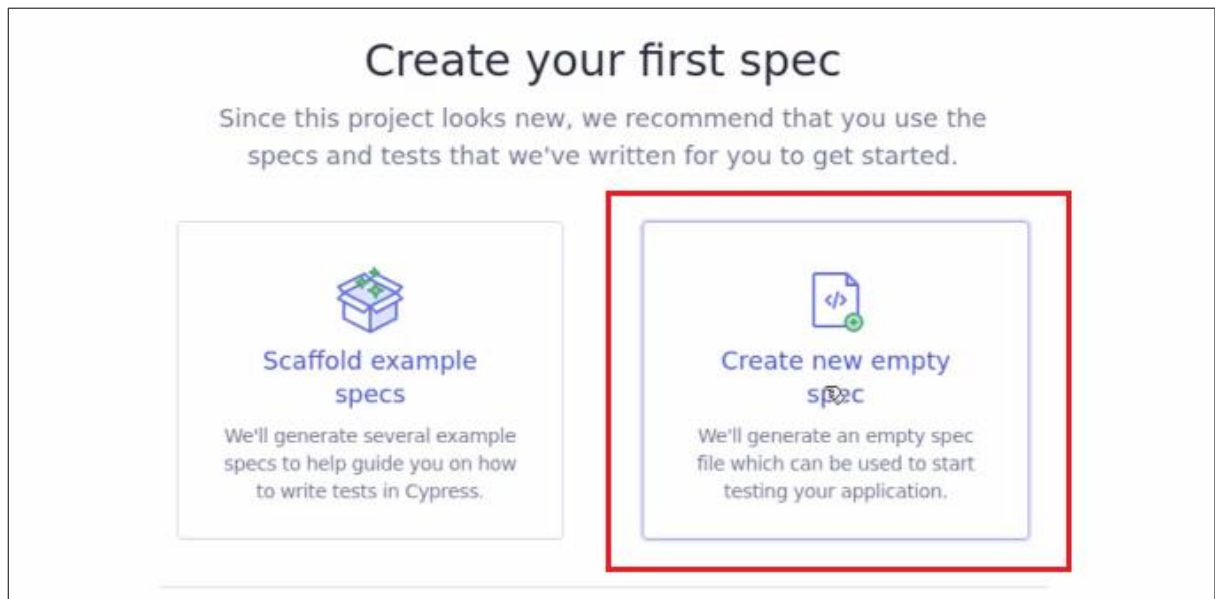
1.5 Click on **continue**



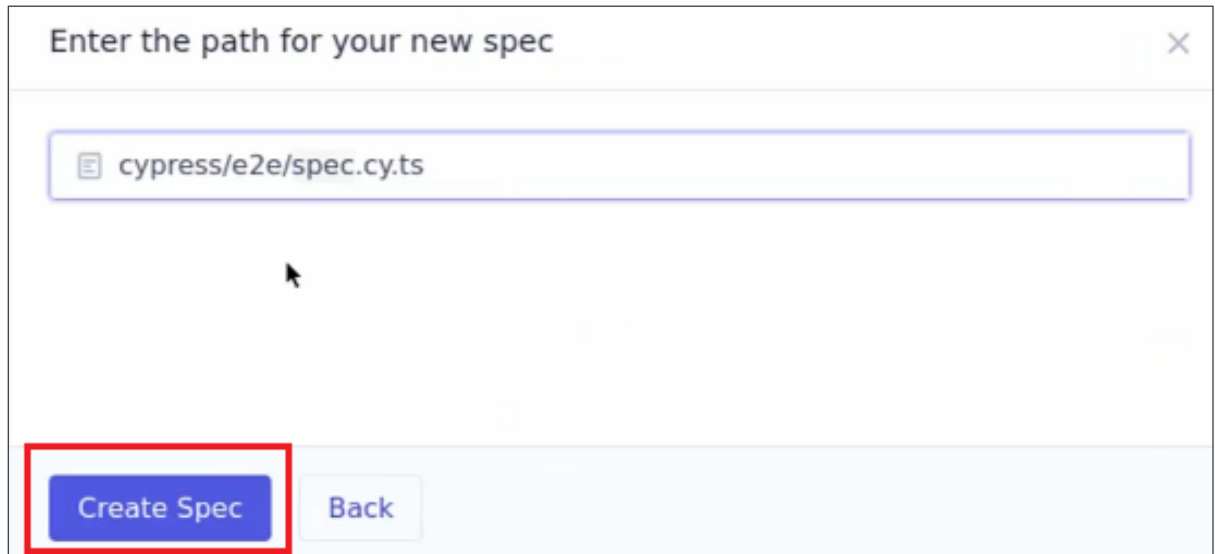
1.6 Click on **Start E2E Testing in Chrome** button



1.7 Select **Create new empty spec** option

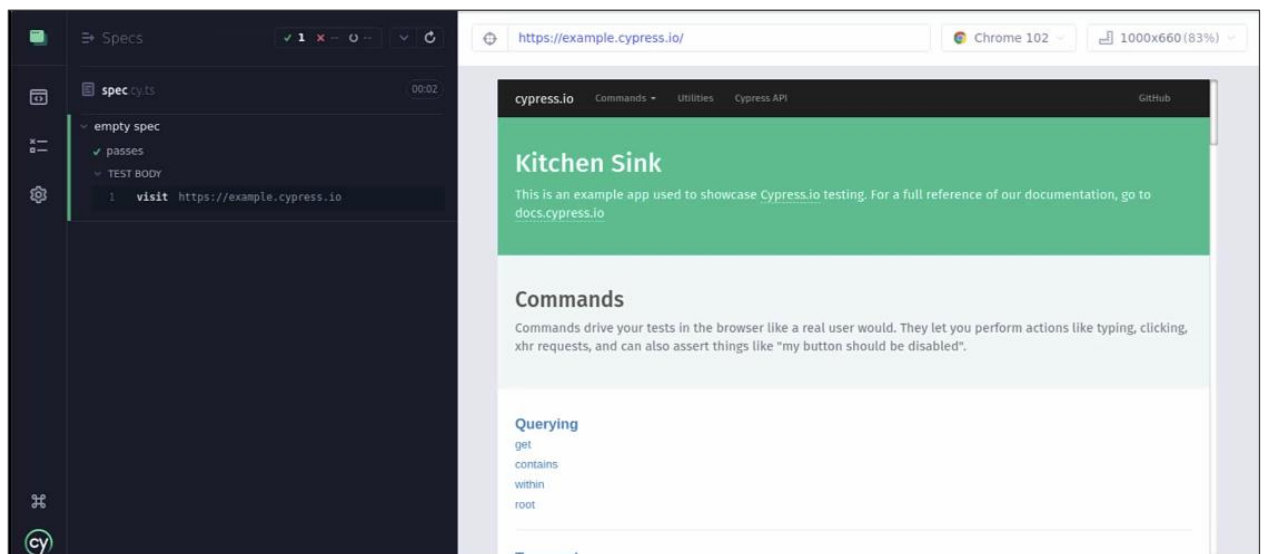


1.8 Click on **Create Spec**, and then click on **Okay run the spec**





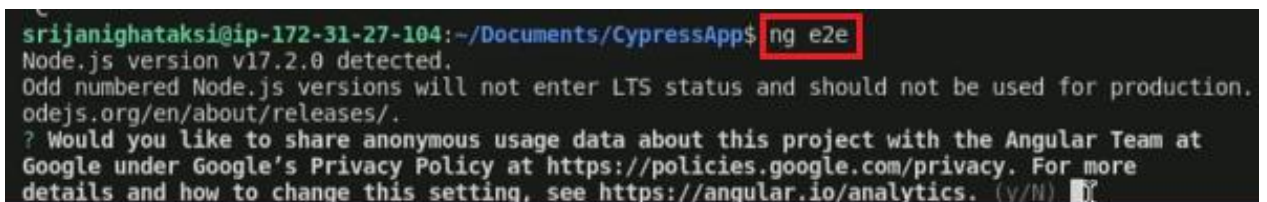
1.9 Close the tab once it is done



Step 2: Configure the ng e2e command

2.1 Run the following command in terminal:

ng e2e



2.2 Since the error comes for the same directory, rename the previous Cypress folders and files

The screenshot shows the VS Code interface. In the Explorer panel on the left, the file `cypress.config-old.ts` is highlighted. The main editor shows the content of `cypress.config-old.ts`, which is a TypeScript file defining a Cypress configuration. The terminal at the bottom shows the output of the `ng e2e` command, including the installation of Cypress and the execution of the e2e tests. A red box in the terminal highlights the message: "A merge conflicted on path "/code>

2.3 Rerun the `ng e2e` command

The screenshot shows a terminal window with the command `ng e2e` being executed. The output shows the installation of Cypress and the execution of the e2e tests. A red box highlights the command `ng e2e` in the terminal prompt.

2.4 Dependencies are available. Now **ng e2e** command can directly open the Cypress Launchpad.

