

gatsby-cypress

This package provides additional [Cypress](#) commands for [testing Gatsby websites](#).

NOTE: This package is not required to use Gatsby and Cypress together. It only exists to add extra commands for convenience.

To use these commands, first install the necessary packages:

```
npm install cypress gatsby-cypress start-server-and-test --save-dev
```

Add custom Gatsby testing commands

Next, add a new file located at `cypress/support/index.js` and add the Gatsby-specific Cypress commands:

```
import "gatsby-cypress/commands"
```

Once imported, the following additional commands are available:

- `cy.waitForRouteChange()` : Waits for Gatsby to finish the route change, in order to ensure event handlers are properly setup. Example:

```
// after navigating to another page via a link
cy.waitForRouteChange().get('#element-with-event-handler').click()
```

- **[no longer recommended]** `cy.getTestElement(selector)` : Selects elements where the `data-testid` attribute matches the value of `selector` . Example:

```
<button data-testid="btn-to-test">click me</button>
```

```
cy.getTestElement("btn-to-test").click()
```

NOTE: It's recommended not to use test IDs. Instead, consider using [cypress-testing-library](#) and relying on `findByText` instead.

Running Cypress tests in Gatsby

Add a new script in `package.json` to run the Cypress tests. A common name for this is `cy:open` .

You also need to expose a `CYPRESS_SUPPORT` environment variable to enable [Gatsby test utilities](#). Place it in your test script in `package.json` , for example:

```
"scripts": {
  ... other scripts ...
+  "cy:open": "cypress open",
+  "test:dev": "CYPRESS_SUPPORT=y start-server-and-test develop
http://localhost:8000 cy:open",
```

```
+   "test": "CYPRESS_SUPPORT=y npm run build && start-server-and-test serve  
http://localhost:9000 cy:open"  
}
```

NOTE: `test:dev` runs the site in development mode, which allows you to quickly fix and retest any issues.
`test` is better suited for build systems like Circle CI, Travis CI, etc.

Writing Cypress tests for Gatsby pages

Add tests by creating a spec file. We recommend starting with a `cypress/integrations/index.spec.js` to test the home page:

```
context("Homepage", () => {  
  beforeEach(() => {  
    cy.visit(`http://localhost:8000`)  
    cy.waitForRouteChange()  
  })  
  
  it("has focusable buttons", () => {  
    cy.findByText("click me").focus()  
    cy.focused().should("have.text", "click me")  
  })  
})
```