

Cypress's Core Features

1. **Time Travel:** Takes snapshots as your tests run.
2. **Debuggability:** Readable errors and stack traces.
3. **Automatic Waiting:** Automatically waits for commands and assertions before moving on.
4. **Consistent Result:** Doesn't use Selenium or WebDriver. Fast, consistent, and reliable.
5. **Screenshots and Videos:** Generates screenshots and videos after test run.
6. **Cross-browser Testing:** Run tests locally and remotely within Firefox and Chrome-family browsers (including Edge and Electron).

What can be done with Cypress?

1. End-to-End Testing
2. Component/Unit Testing
3. API Testing

How to start with Cypress

1. Install Visual Studio code or any supportive IDE
2. Install **node.js**
3. Open a designed folder, and from terminal, type
 - a. `npm init -y`
 - b. `Npm install cypress - - save -dev`
 - c. `npx cypress open`

CSS selectors / locators

1. `.classname`
2. `#id`
3. `Tagname`
4. `Tagname.classname`
5. `tagname.#id`
6. `tagname[attribute="value"]`
7. **Parent to child traverse** → `tagname tagname #id`

8. **Sibling traverse** → .next