

cypress.io

Automation

<https://www.cypress.io>

What's Cypress?



Tool for reliably testing anything running in web browser

Free

Open source

New Architecture

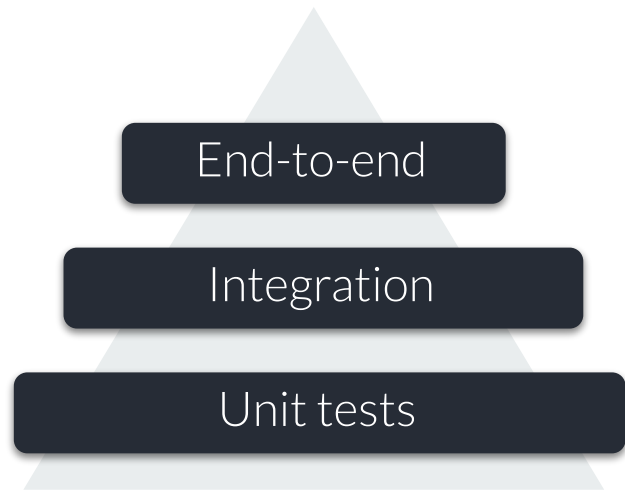
Able to access every web-page object in the DOM

Why cypress?

All-in-one testing framework, assertion library, with mocking and stubbing, all without Selenium.

Makes it possible to:

- Set up tests
- Write tests
- Run tests
- Debug Tests



Cypress makes setting up, writing, running and debugging tests easy.

Let's start



```
npm install cypress
```

```
cmd Command Prompt
Microsoft Windows [Version 10.0.18363.778]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\lunao>
```



Running test

Open Desktop App

`npx cypress open`

The screenshot displays the Cypress test runner interface. On the left, the 'Command Log' panel shows a list of actions performed during the test run, including 'type', 'focus', 'visit', 'get', 'blur', 'clear', 'submit', 'click', 'dblclick', 'rightclick', 'check', 'uncheck', 'select', 'scrollIntoView', 'trigger', and 'scroll'. The 'About to blur' action is highlighted. On the right, the application under test is shown, which is a web form with fields for 'Enter your name', 'Describe', and 'Coupon Code', and a 'Submit' button. The application is running in a browser window titled 'demo'.

Command Log

APP

Features



Time Travel and Debugging



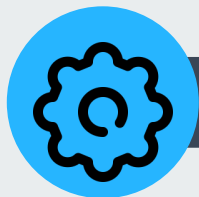
Automatic waiting



Real time reloads



Screenshots and videos



Traffic control

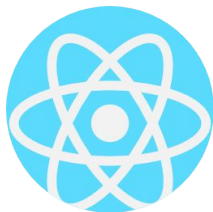
How's it Work ?



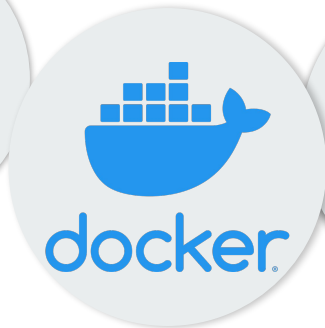
Native access



Shortcuts



Continuous Integration



Cypress should run
on all CI providers

Parallelization



Examples:
[Demo Jenkins](#)
[Dashboard](#)

Trade-off

- It is **not** a general purpose **automation tool**.
- Commands **only** run **inside a browser**.
- There will **never** be support for **multiple browser tabs**.
- **Cannot be** used to drive **two browsers at the same time**.

Community



Documentation



Chat



Post



Report Bugs