

# Automated testing with <a href="Cypress.io">Cypress.io</a>

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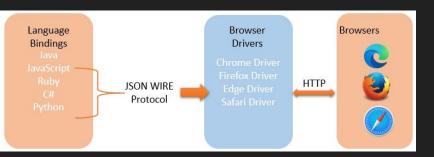
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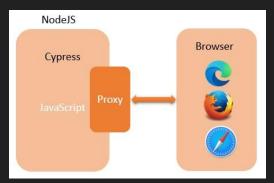
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### Introduction to Cypress framework





- It's new testing tool for both, developers and QA engineers
- His primarily used for front end testing, but it can be used for API testing as well (supports E2E, integration and unit test)
- Really easy setup
- Runs inside browser comparing to Selenium that connects through driver for browser
- Cypress has fastest execution of front end test scripts
- Young tool with great documentation

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### Cypress key features



#### Time travel

Cypress takes snapshots as your tests run. Simply hover over commands in the Command Log to see exactly what happened at each step.



#### Debuggability

Stop guessing why your tests are failing. Debug directly from familiar tools like Chrome DevTools. Our readable errors and stack traces make debugging lightning fast.



#### Real time reloads

Cypress automatically reloads whenever you make changes to your tests. See commands execute in real time in your app.



#### Automatic waiting

Never add waits or sleeps to your tests. Cypress automatically waits for commands and assertions before moving on. No more async hell.



#### Spies, stubs, and clocks

Verify and control the behavior of functions, server responses, or timers. The same functionality you love from unit testing is right at your fingertips.



#### Network traffic control

Easily control, stub, and test edge cases without involving your server. You can stub network traffic however you like.



#### Consistent results

Our architecture doesn't use Selenium or WebDriver. Say hello to fast, consistent and reliable tests that are flake-free.

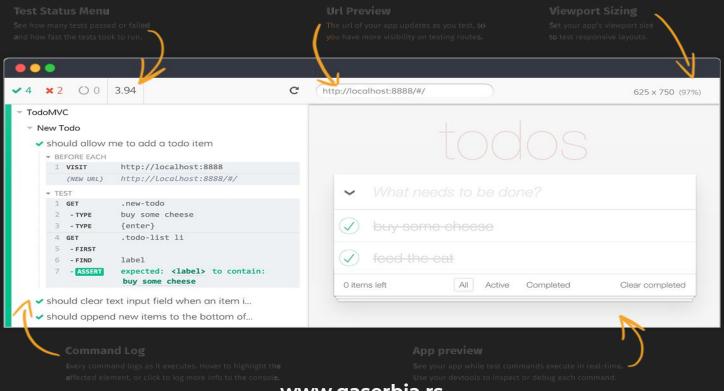


#### Screenshots and videos

View screenshots taken automatically on failure, or videos of your entire test suite when run headlessly.



## Cypress Runner



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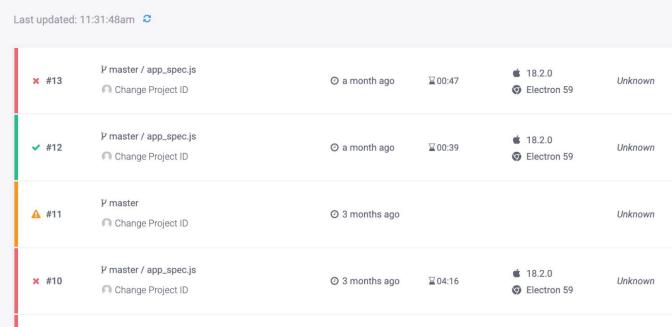




# Cypress Dashboard

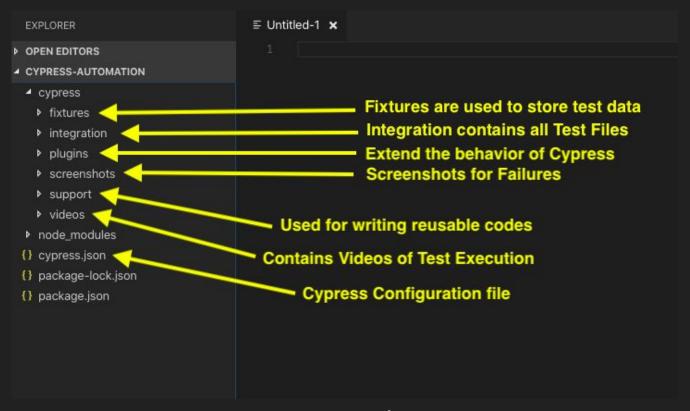


### Latest runs





## Basic setup of repository in Cypress

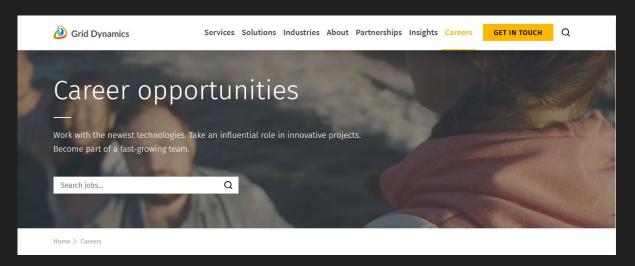


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### Workshop - Cypress in action

- Cloned repository for this workshop
- Prerequisites: Node.js > 12 and npm installed
- We will use this page for testing: <a href="https://careers.griddynamics.com/">https://careers.griddynamics.com/</a>





# Questions?



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