

# UI Testing with Selenium IDE



# Selenium IDE



# Topics

Install

Recording test cases

Run test cases

Working with command line tools



# Selenium IDE



<https://www.selenium.dev/selenium-ide/>



# Selenium IDE

## Selenium IDE

Open source record and playback test automation for the web

 CHROME DOWNLOAD

 FIREFOX DOWNLOAD

 LATEST ZIP

☆ Star 2,135



### Web Ready

Simple, turn-key solution to quickly author reliable end-to-end tests. Works out of the box for any web app.



### Easy Debugging

Enjoy easier test debugging with rich IDE features like setting breakpoints and pausing on exceptions.



### Cross-browser Execution

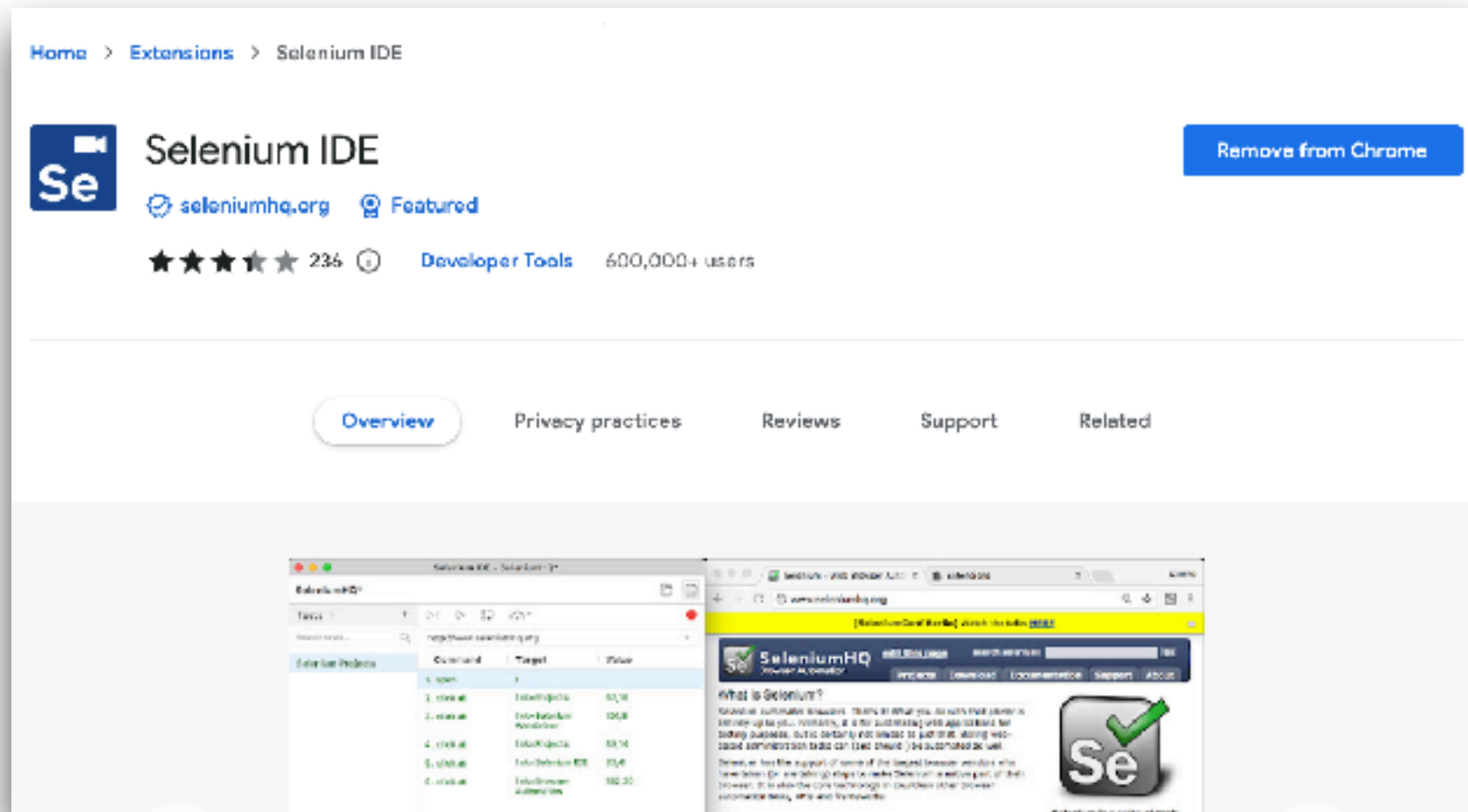
Run your tests on any browser/OS combination in parallel using the [Command-line Runner for Selenium IDE](#).



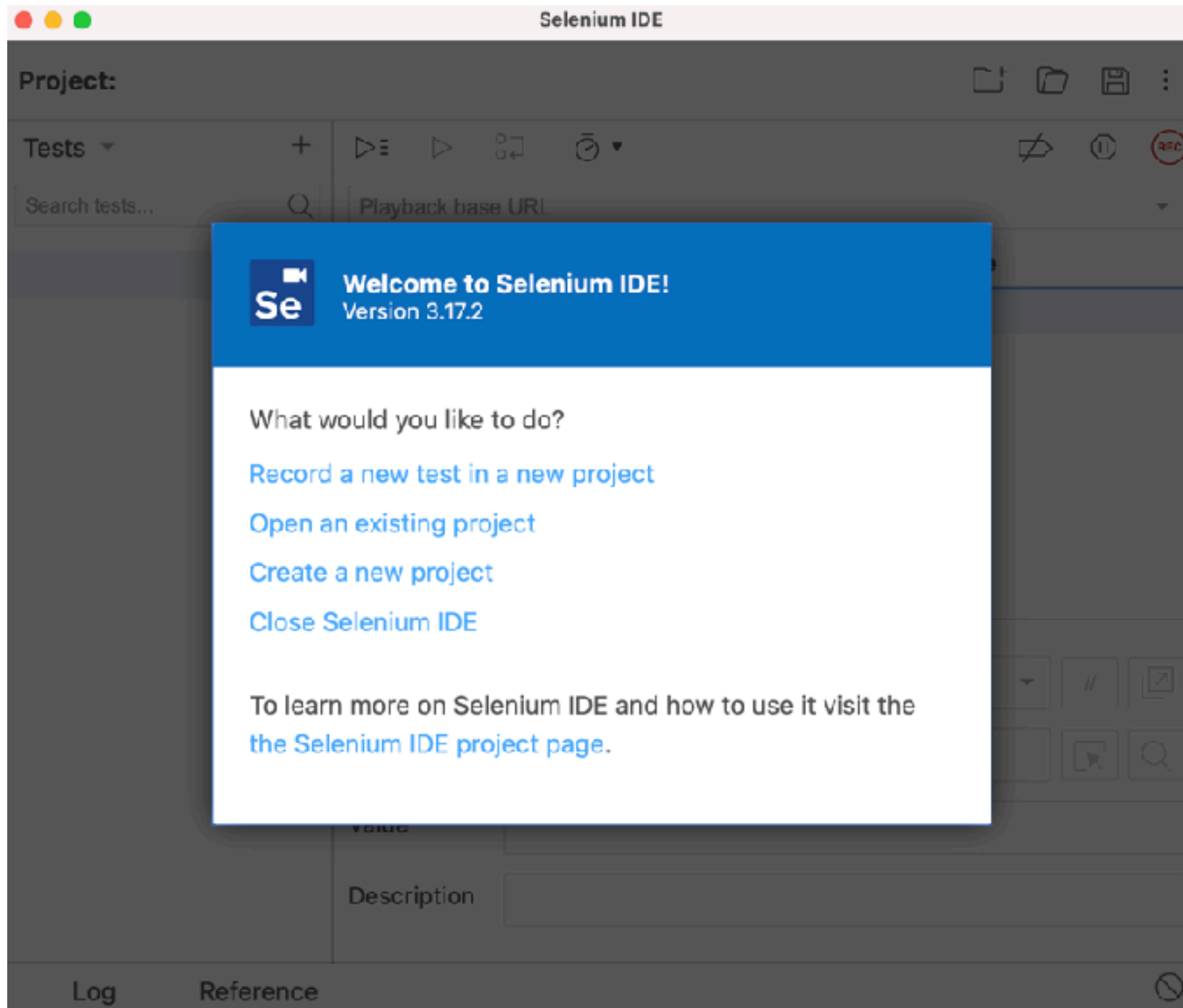
# Installation

# Google chrome extension

## Firefox extension



# Open Selenium IDE



# Record a new test case

Selenium IDE - demo\_02

Project: demo\_02 Save project ⌘S

Executing ▾

✓ case\_01

https://www.google.com

	Command	Target	Value
1	✓ open	/	
2	✓ set window size	1420x855	
3	✓ type	name=q	test
4	✓ send keys	name=q	⌨
5	✓ assert text	css=.g > div > div > .kvH3mc .LC20lb	Speedtest.net

Command

Target

Value

Description

Runs: 1 Failures: 0



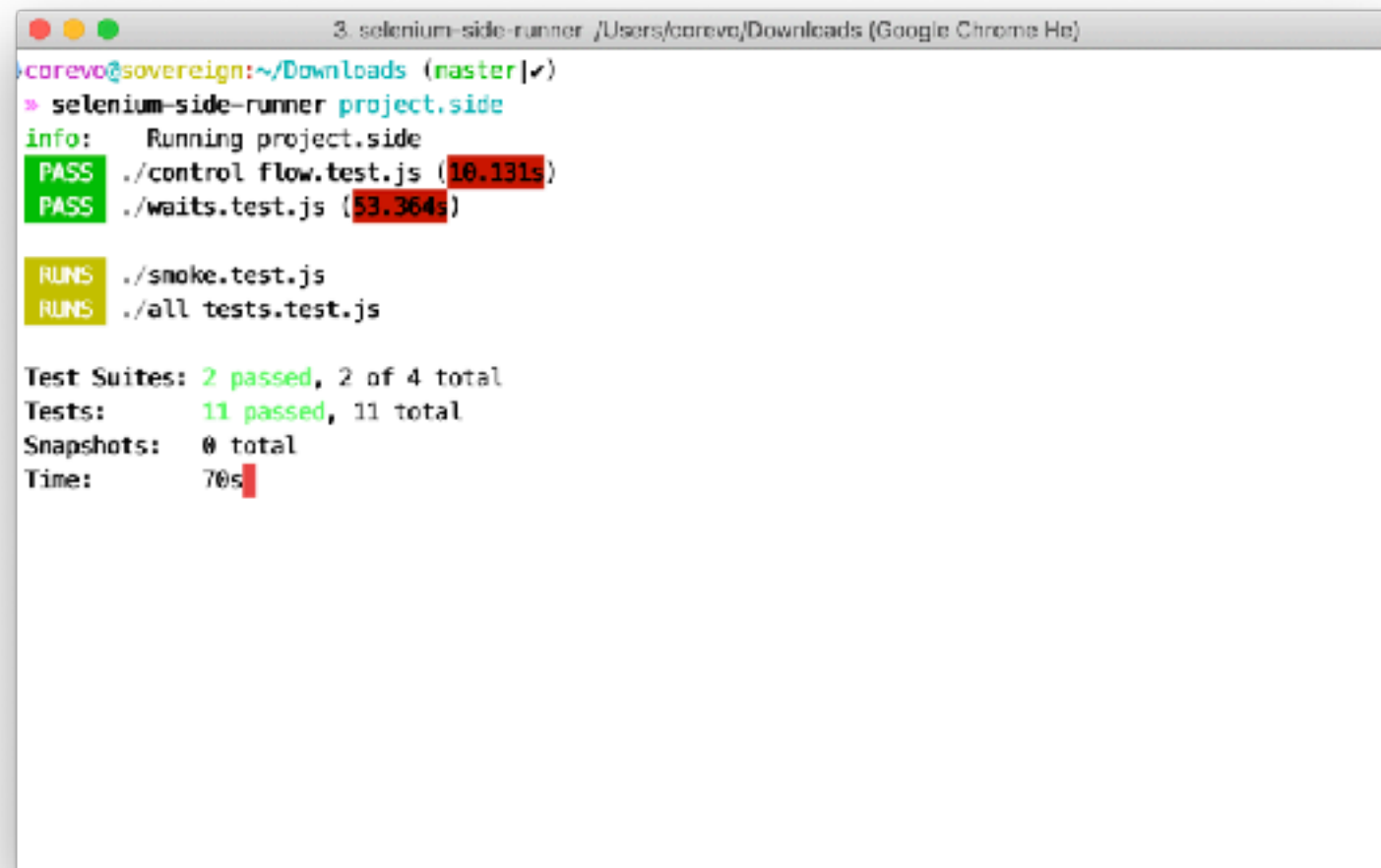


# Command-line Runner



# Command-line Runner

```
$npm install -g selenium-side-runner  
$selenium-side-runner
```

A terminal window titled '3. selenium-side-runner /Users/corevo/Downloads (Google Chrome He)' shows the execution of 'selenium-side-runner project.side'. The output includes: 'info: Running project.side', 'PASS ./control\_flow.test.js (10.131s)', 'PASS ./waits.test.js (53.364s)', 'RUNS ./snoke.test.js', 'RUNS ./all\_tests.test.js', 'Test Suites: 2 passed, 2 of 4 total', 'Tests: 11 passed, 11 total', 'Snapshots: 0 total', and 'Time: 70s'.

```
corevo@sovereign:~/Downloads (master|✓)  
» selenium-side-runner project.side  
info: Running project.side  
PASS ./control_flow.test.js (10.131s)  
PASS ./waits.test.js (53.364s)  
  
RUNS ./snoke.test.js  
RUNS ./all_tests.test.js  
  
Test Suites: 2 passed, 2 of 4 total  
Tests: 11 passed, 11 total  
Snapshots: 0 total  
Time: 70s
```

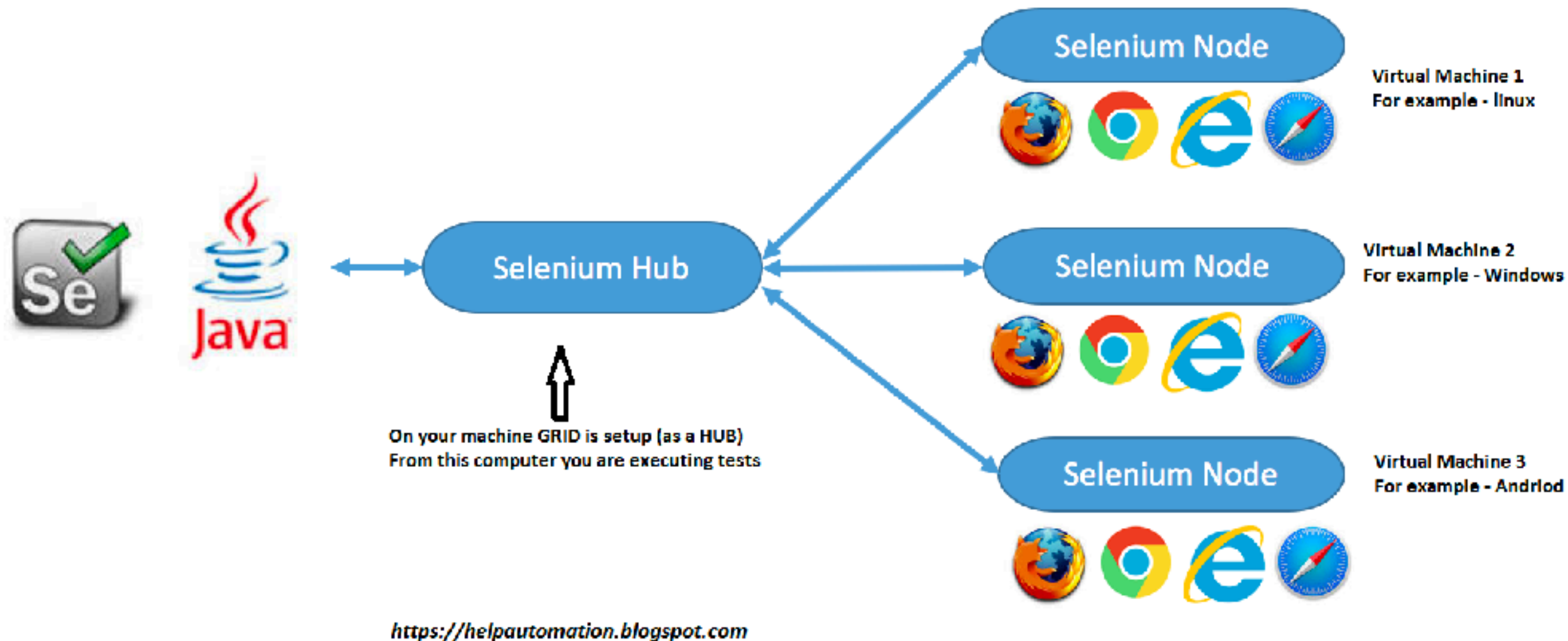
<https://www.selenium.dev/selenium-ide/docs/en/introduction/command-line-runner>



# Scaling UI testing with **Selenium Grid**



# Selenium Grid



<https://github.com/SeleniumHQ/selenium/wiki/Grid2>



# Using from Robot Framework

```
Open Browser    http://localhost:8080/demo/  
...    browser=chrome  
...    remote_url=http://localhost:4444/wd/hub  
...    desired_capabilities=browserName:chrome
```



# Continuous Testing



<https://jenkins.io/>

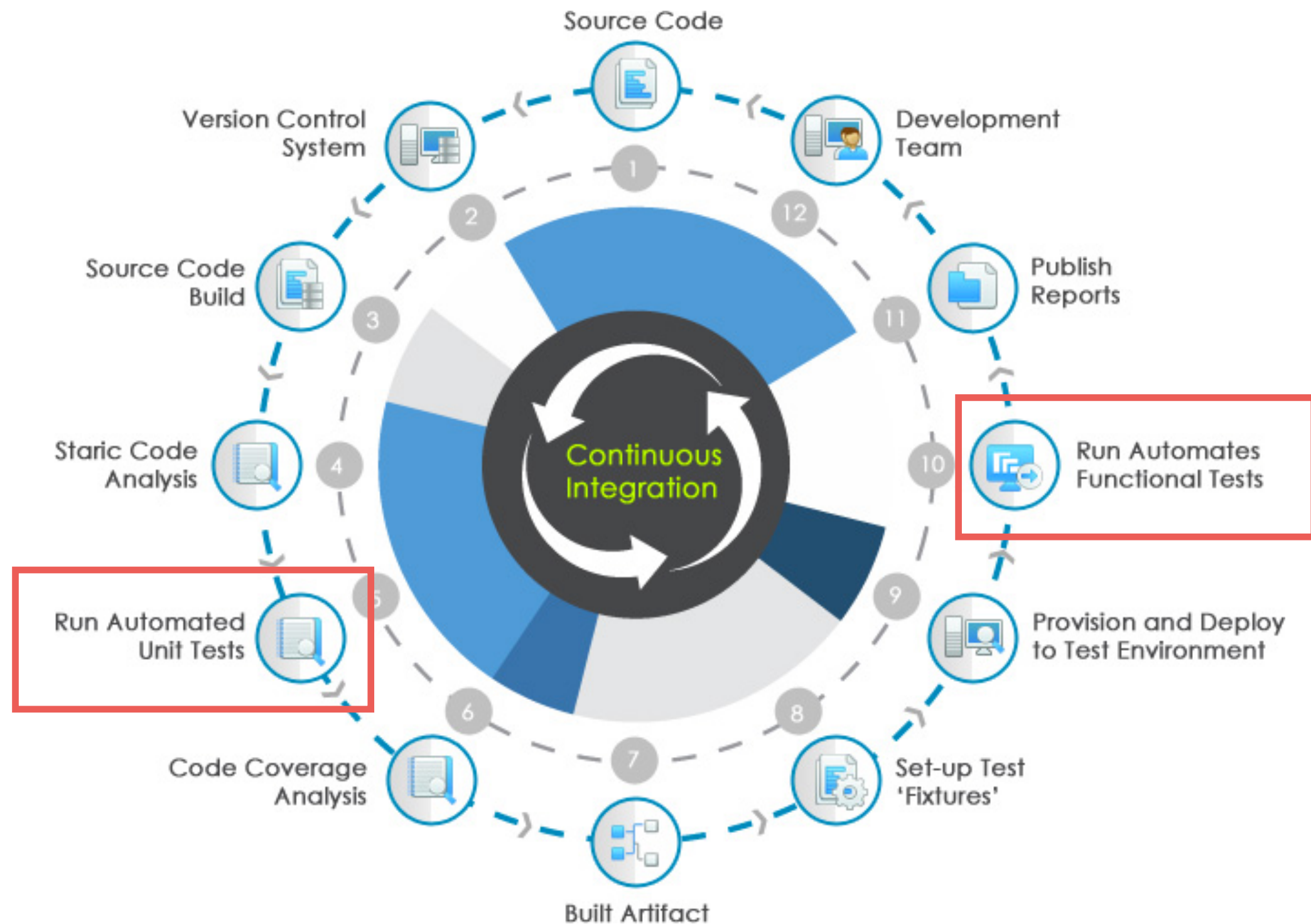


# Continuous Integration





# Continuous Integration





# Continuous Integration

Discipline to **integrate frequently**



# Continuous Integration

Strive to make **small change**



# Continuous Integration

Strive for **fast feedback**

