UI Testing
with Selenium IDE

Selenium IDE

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

Topics

Install

Recording test cases

Run test cases

Working with command line tools

Integrate with web browser

Scaling with selenium

Continuous testing

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.
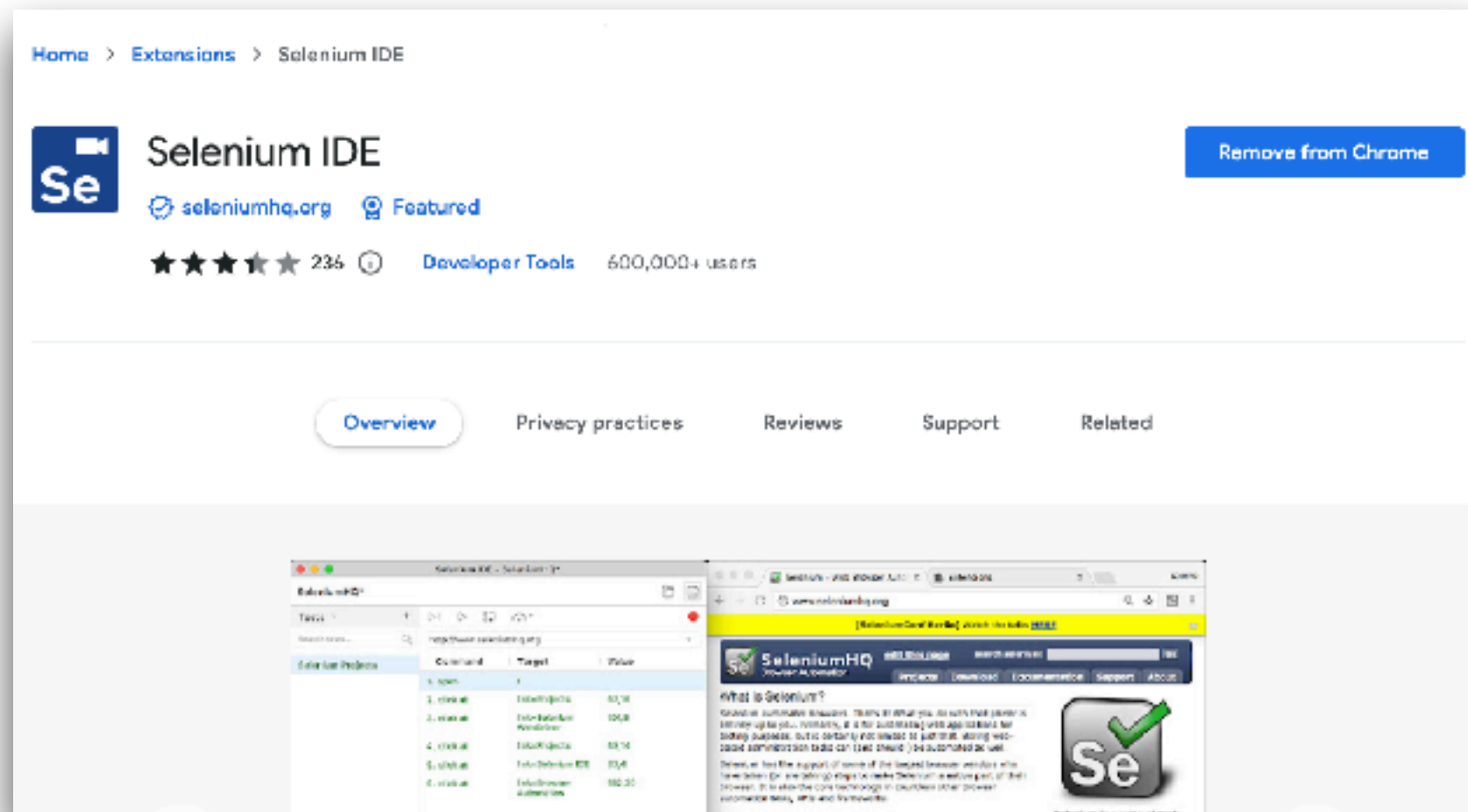
Cross-browser Execution

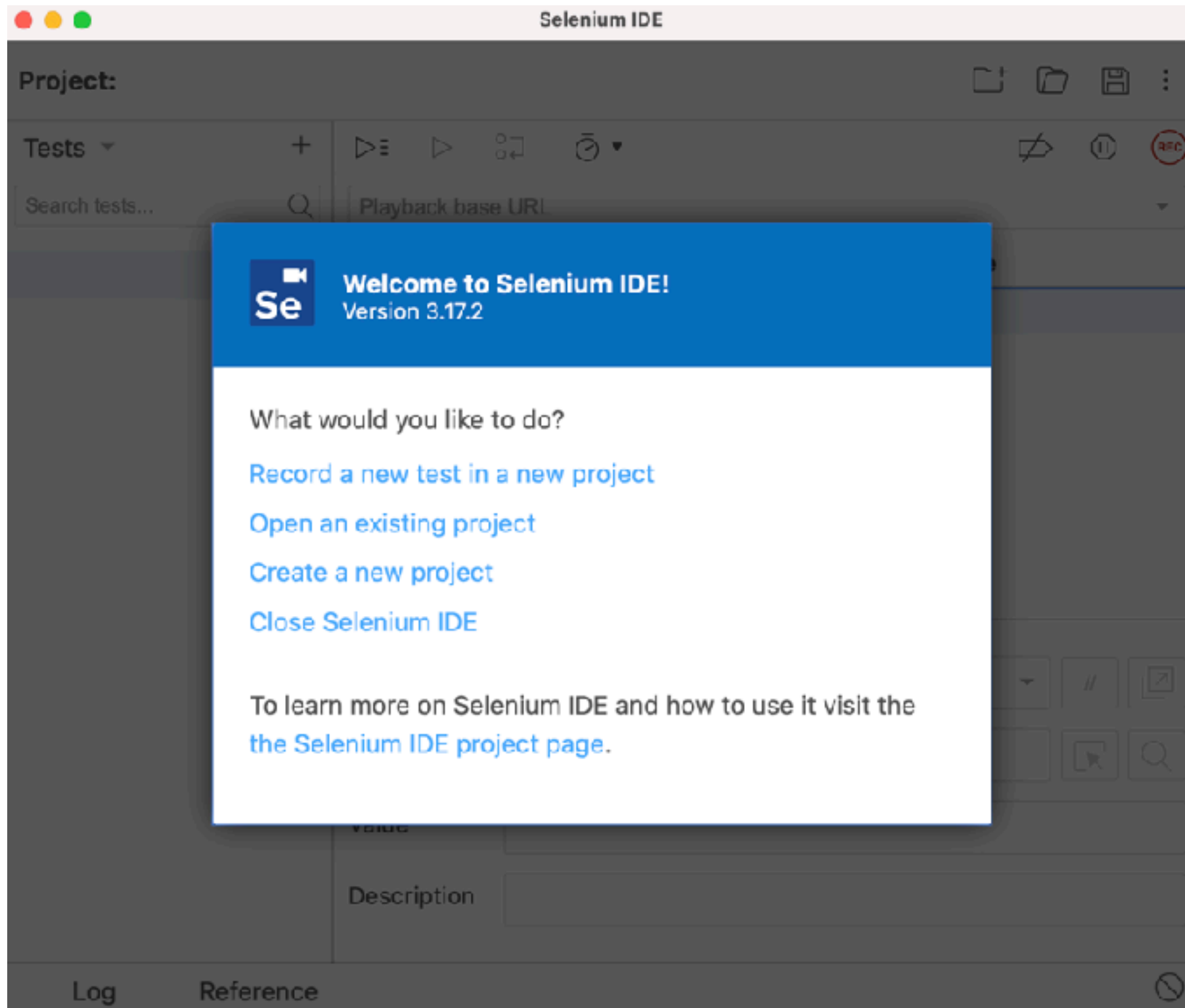Run your tests on any browser/OS combination in parallel using the Command-line Runner for Selenium IDE.

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

Automated testing

4

Installation

Google chrome extension
Firefox extension

Open Selenium IDE

Record a new test case

Target types

Target types

id, name

xpath

css selector

Add assertion
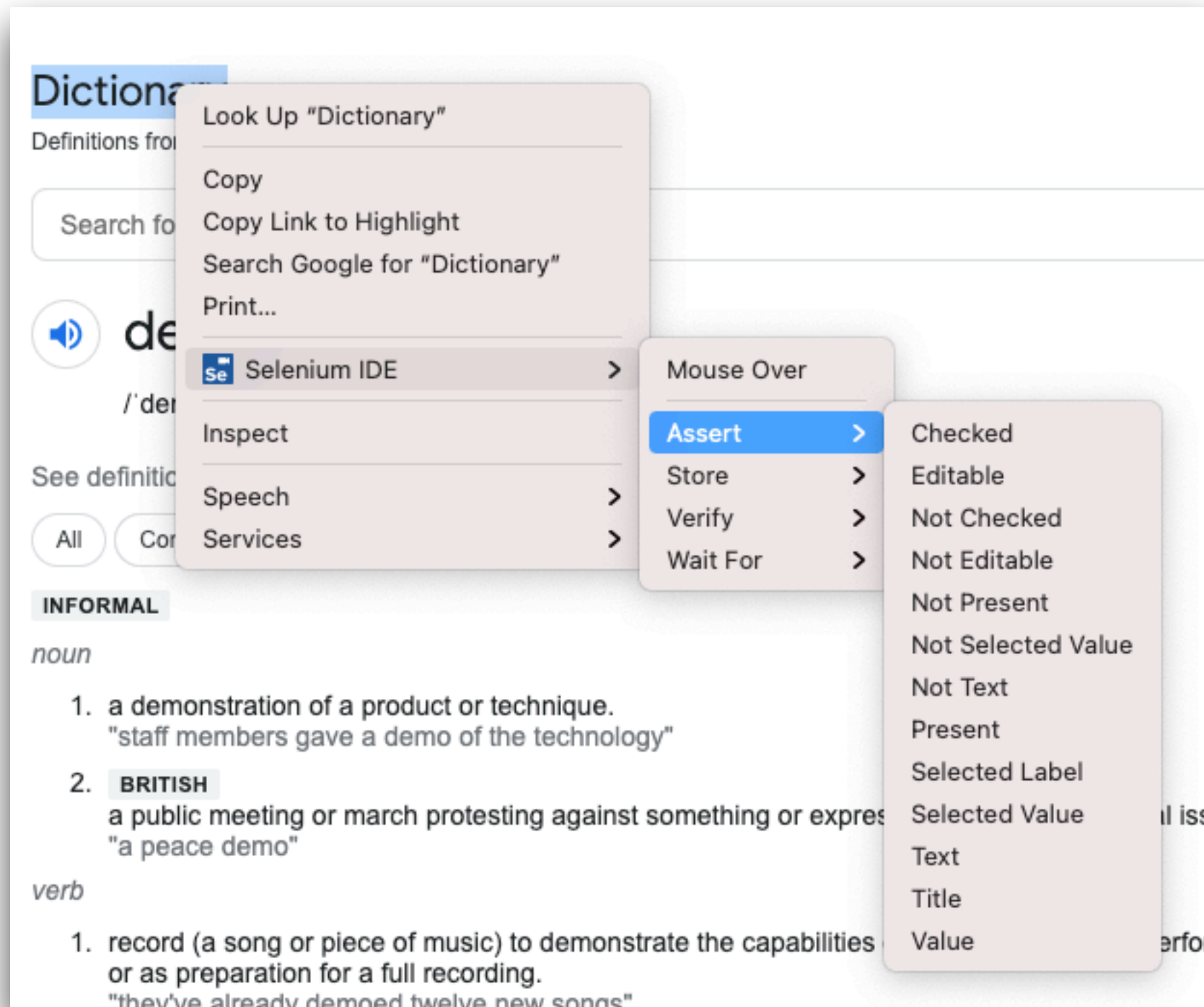
Export to code

Test Suite :: run in parallel

Suite properties

Timeout (seconds) `300`

Run in parallel ☑

Running in parallel works only in the runner
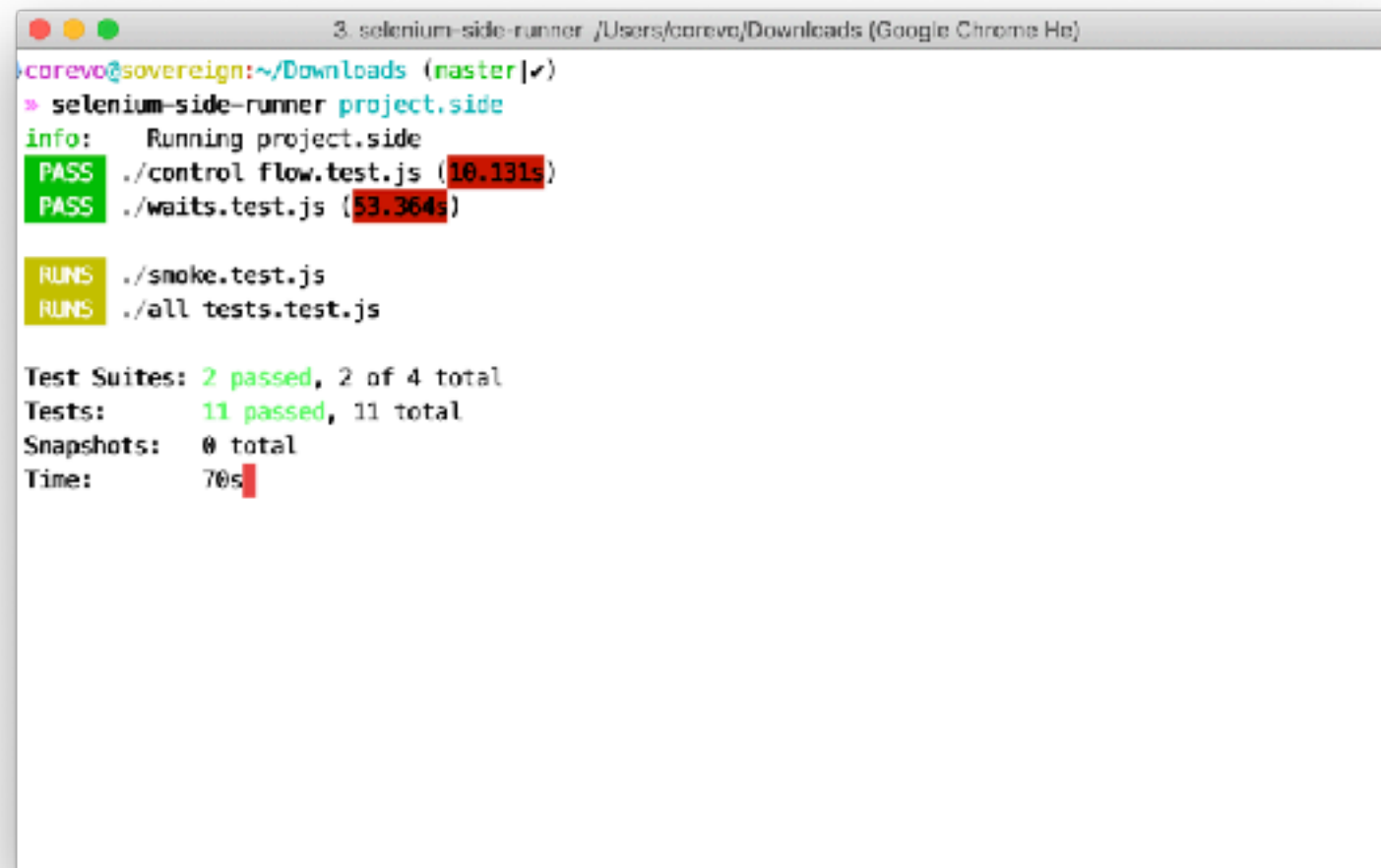
Persist session
(not recommended)

Cancel   Submit

Selenium Side Runner

Selenium Side Runner

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

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

Working with command

Web browser

Headless browser

Generate report with junit format

Parallel testing

Test resule

Run with selenium grid

Scaling UI testing with
Selenium Grid

Selenium Grid

https://helpautomation.blogspot.com

https://github.com/SeleniumHQ/selenium/wiki/Grid2
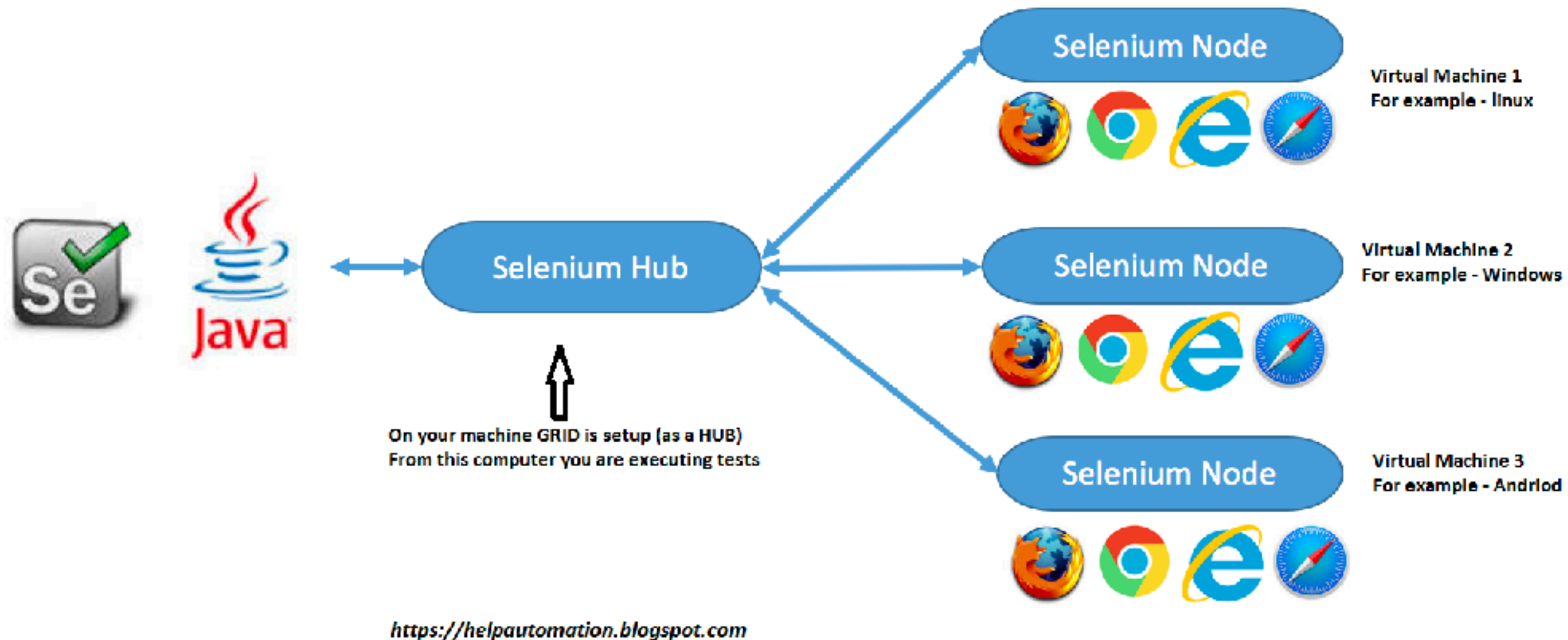
Run on selenium grid

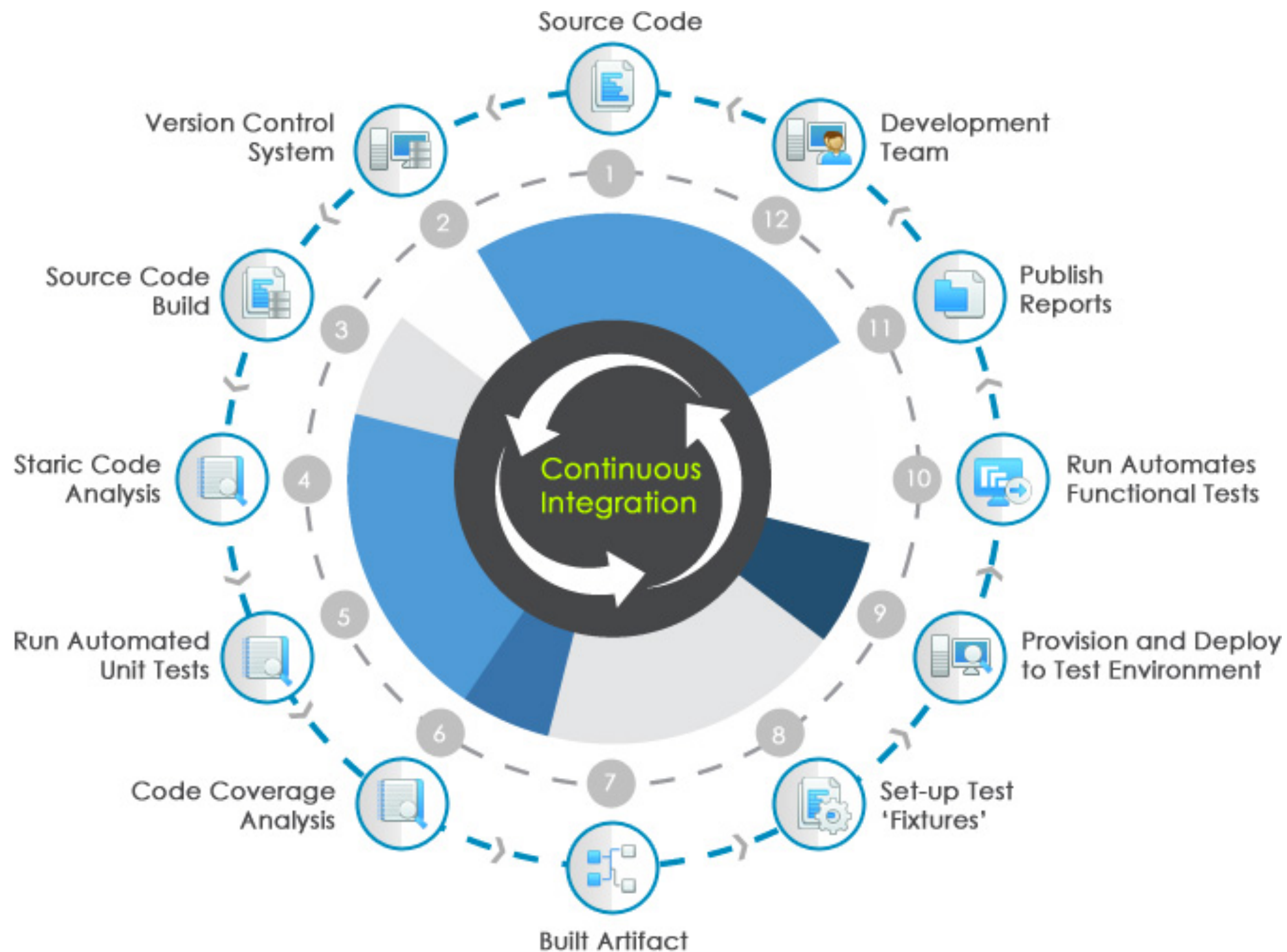$selenium-side-runner --server <url>
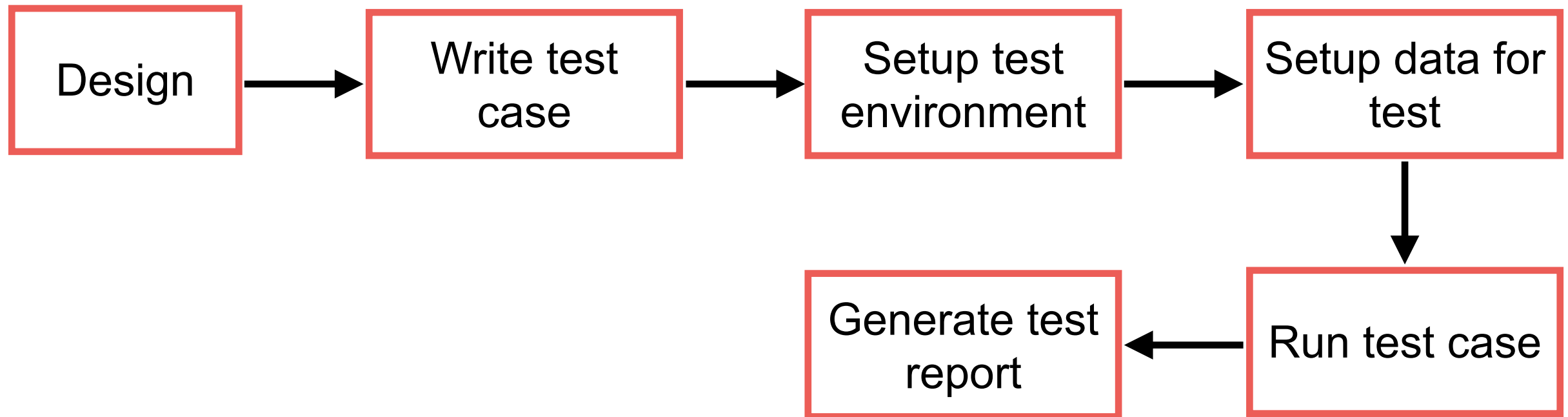
Continuous Testing

https://jenkins.io/

Continuous Integration

Continuous Integration

Test Environment and Data

Process

```
┌──────────┐     ┌──────────┐     ┌──────────────┐     ┌──────────────┐
│  Design  │ ──> │Write test│ ──> │ Setup test   │ ──> │Setup data for│
│          │     │  case    │     │ environment  │     │    test      │
└──────────┘     └──────────┘     └──────────────┘     └──────────────┘
                                                              │
                                                              v
             ┌──────────────┐                          ┌──────────────┐
             │Generate test │ <──────────────────────  │ Run test case│
             │   report     │                          │              │
             └──────────────┘                          └──────────────┘
```

Q/A