



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Playwright Workshop



1 - Theory and Setup



Selenium RC

2005



Selenium 2

2010

CDP

2015



Cypress



Playwright

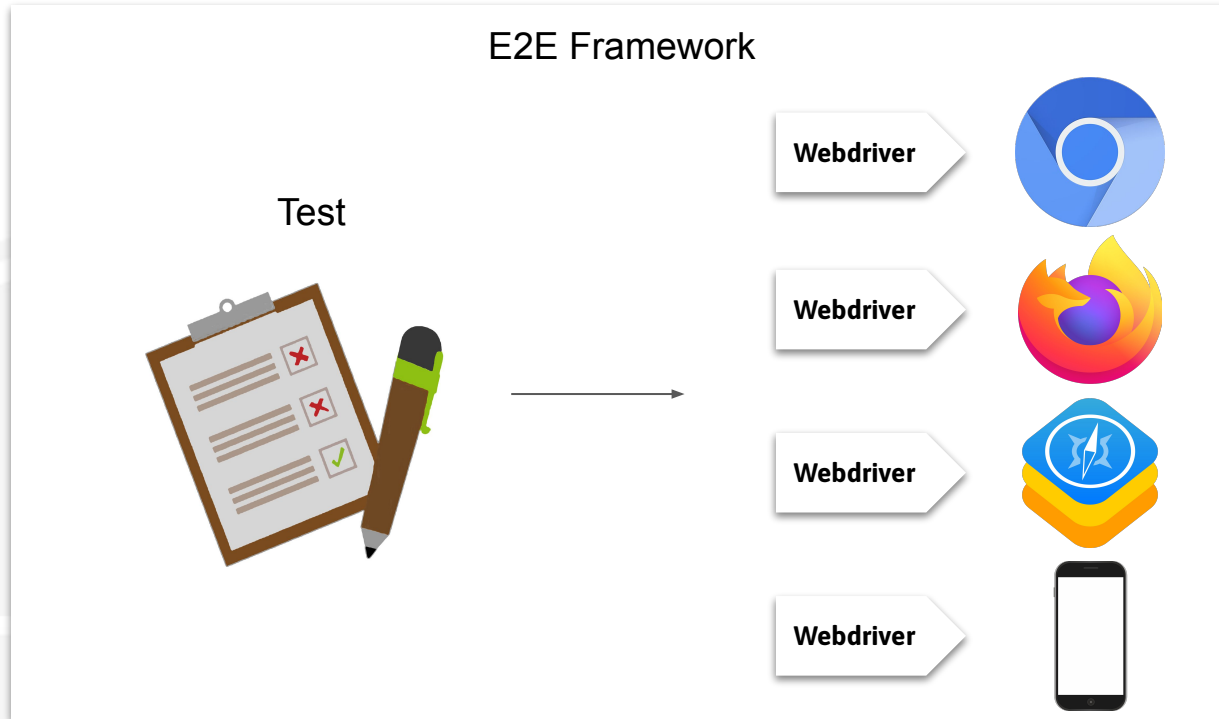
2020

2022

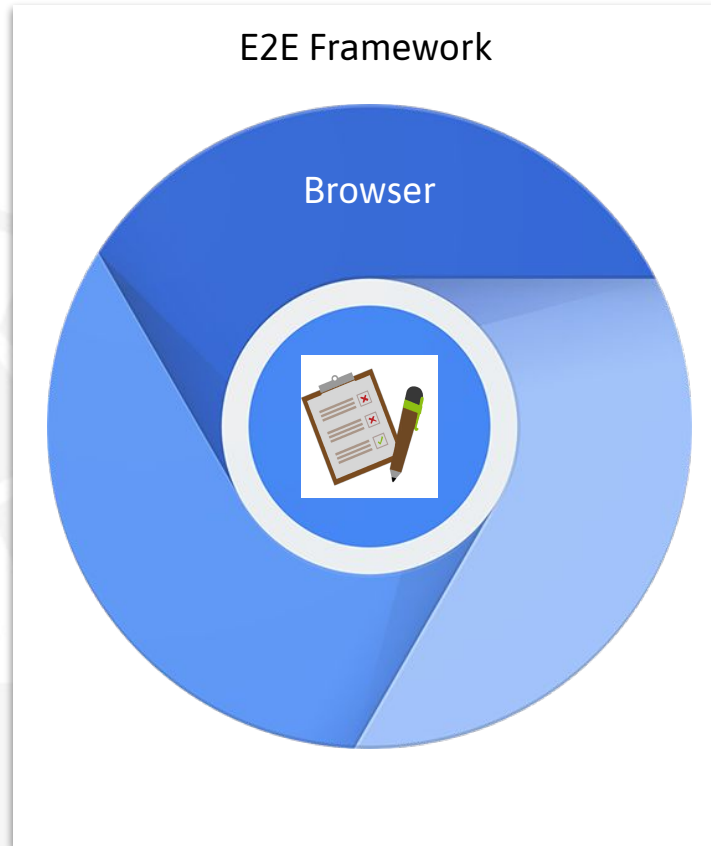


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Selenium: Outside browser testing








Cypress: Inside browser testing







Two extremes

Selenium / Webdriver

-  Full browser access
-  Scalable infrastructure
-  Cross browser testing
-  Developer Experience improvable
-  Flakiness

Cypress

-  Superior developer experience
-  Stable
-  Limited to CDP
-  Limited functionalities
 - Workarounds available
 - Not applicable



Playwright: Middle way

- Outside browser testing
- Everything from one hand
 - Browsers, Testing Framework, Visual Regression
- Limited to CDP, incl. "Safari"
- Developer experience
- Access existing Selenium Grid via CDP
- Backed by Microsoft



@playwright/test vs cypress vs nightwatch vs testcafe vs webdriverio

Enter an npm package...

@playwright/test x

cypress x

nightwatch x

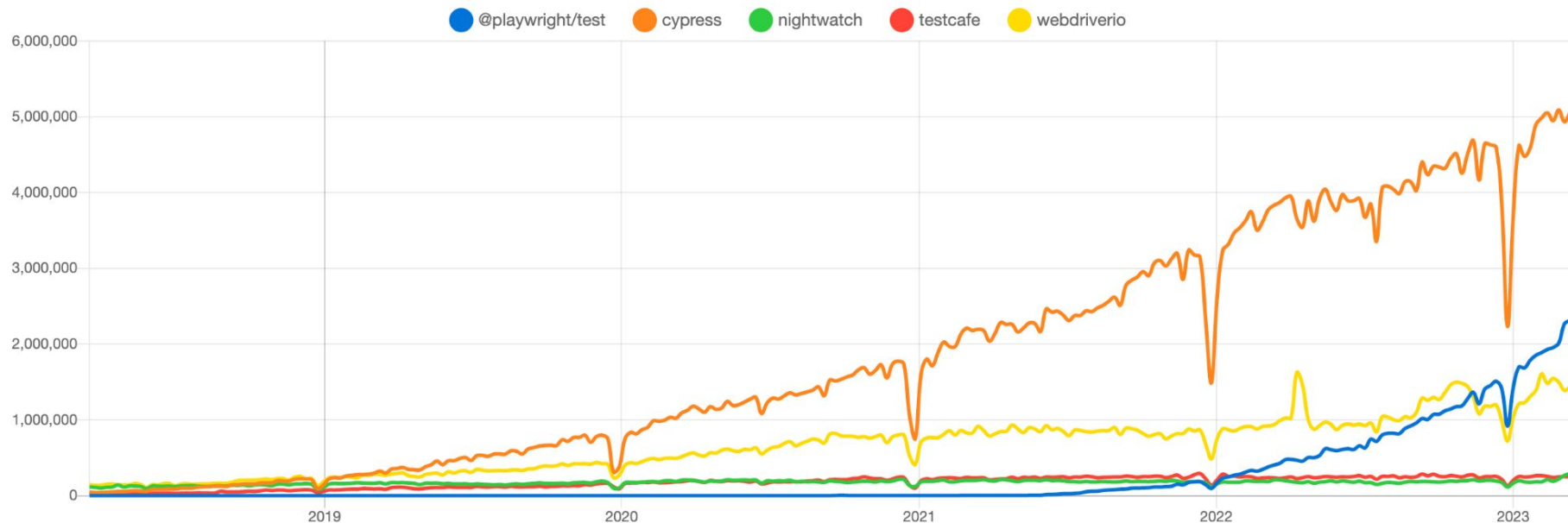
testcafe x

webdriverio x

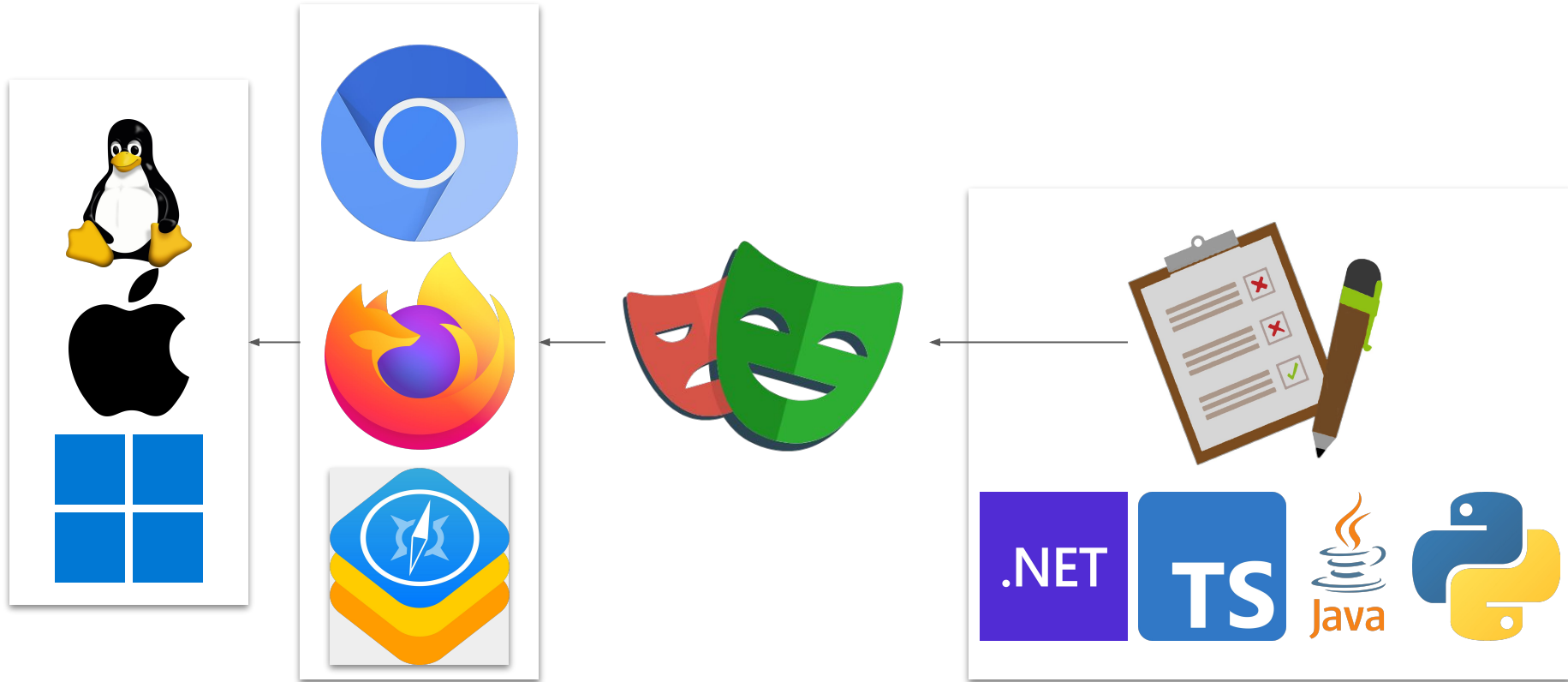
+ puppeteer

+ playwright

Downloads in past 5 Years ▾



Playwright Architecture



Setup

- Installation
 - Setup from scratch: `npm init playwright`
- Install Browsers
 - `npx playwright install`
- Setup Configuration (`playwright.config.ts`)





Demo

A photograph of two people, a man and a woman, working at computers in a modern, industrial-style office or lab. The man, with curly brown hair and wearing a blue button-down shirt, is seen from the back, looking at a large monitor displaying a complex code editor with multiple panels of code. The woman, with long brown hair and wearing a dark jacket, is seated next to him, looking at her own monitor which also shows code. The background is a plain, light-colored wall. The overall atmosphere is professional and focused.

Lab Time