

The background features a dark blue gradient with faint, light blue technical diagrams. On the left side, there is a large, semi-circular protractor scale with markings from 140 to 260 degrees. Several dashed lines with arrows indicate circular paths or trajectories. The overall aesthetic is technical and futuristic.

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Selenium vs Protractor

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APPLICATION OF TESTING IN SELENIUM AND PROTRACTOR

- We automate the web applications using the selenium webdriver with java or with language of choice. People might say that use protractor when the web application is built on angular application, that is bullshit.
- We should go for angular application only when your team does not have skill to handle the ajax & angular waits using fluent wait in selenium.
- In similar manner, you can use the protractor to automate the non-angular application, just by setting `browser.ignoreSynchronization = true`.
- One more myth about automation, you should automate using the same language as development language. Please do aware that application development language does not have any effect on web browser, because web browser renders the only UI using HTML, CSS, JS

LANGUAGE OF CHOICE SELENIUM AND PROTRACTOR :

- When you are hiring people for automaton jobs, you should be getting more of java people but less of typescript people because people who know typescript tries to get job in development not in testing.
- So you might get java people for automaton, n that instead of training them on protractor traing them on waits in selenium, so that you could you selenium as your automation too.
- Selenium support: java,python kotlin, c, c#, Php.
- Protractor supports: Typescript and JavaScript (basically all js relate languages).

UNIT TESTING FRAMEWORK SELENIUM AND PROTRACTOR :

- When we choose between selenium and protractor we also should mind about the unit testing framework that we are going to use.
- Selenium supports many unit testing frameworks, TestNg and Junit are two important unit testing frameworks
- Protractor Supports Jasmine and Mocha frameworks and also protractor works well with chai assertions.

SELENIUM VS PROTRACTOR CODE LENGTH:

- Another obvious difference is the code length, we will be able to achieve the target in less number of lines in Java with selenium.
- Code length is more because all of the fetch operation return promise so you got to solve the promises first, so the code length is more.

PROTRACTOR VS SELENIUM PERFORMANCE:

- Comparing the performance selenium is faster than Protractor on the normal application but protractor is faster than selenium in angular application.
- Protractor got inbuilt waits for angular and ajax calls, but we have to define the waits in selenium to handle angular and ajax.
- protractor vs selenium speed is not comparable as their strategies are different.

PROTRACTOR VS JASMINE:

- Protractor is a testing tool but Jasmine is unit testing framework. Jasmine performs the operations, Jasmine helps to structure those operation as test cases.
- protractor supports all the nodejs based unit frameworks like Jasmine, Mocha, chai(assertion library), Karma(runner), here the karma is not bi***.

Thank you

