



# Automatized Testing Tools

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# Possible Tool List

1. Ranorex.
2. TestComplete.
3. Selenium (Open source).
4. QMetry Automation Studio.
5. Katalon Studio (Free).
6. Testsigma.
7. LambdaTest.
8. Qualibrate.
9. Apache JMeter (Open source).
10. Micro Focus UFT.
11. Cypress (Free).
12. FitNesse (Open source).
13. Serenity (Open source).
14. Test Studio.
15. IBM Rational Functional Tester (Free trial).
16. Appium.
17. Robotium.
18. Cucumber (Free web service).
19. EggPlant (Free trial).
20. SilkTest.
21. Micro Focus QC.
22. Watir.



## Bests Tools





# Comparision of Tools

<b>Tools</b>	<b>Supported languages</b>	<b>Supported platform</b>	<b>Plugins</b>	<b>Learning Curve</b>
Selenium	Java, C#, Perl, Python, JavaScript, Ruby, PHP	Windows, Linux, OS X	Many	Hard
Cypress	Ruby, Node, C#, PHP, JavaScript	Windows, Linux, OS X	Few	Soft
Apache JMeter	Java, NodeJS, PHP, ASP.NET	Windows, Linux, OS X	Some	Medium
FitNesse	Ruby, .Net, PHP, C, C++	Windows, Linux, OS X	Many	Hard



# Comparision of Tools

Tools	Features
Selenium	Can drive a browser natively either locally or on remote machines (WebDriver), can running test on many server at the same time, cutting down on the time it takes to test multiple browser or operating systems (Grid), makes easy to record and playback test in the browser (IDE) and can control web browsers locally or on other computers, using almost any programming language and testing framework (Remote Control).



# Comparision of Tools

Tools	Features
Cypress	<p>Can takes snapshots as the tests runs, can debug directly from familiar tools like Chrome DevTools, makes automatically reloads whenever you make changes to your tests, also never add waits or sleeps to your tests. Cypress automatically waits for commands and assertions before moving on, can verify and control the behavior of functions, server responses, or timers, can control, stub, and test edge easily cases without involving your server and can make screenshots taken automatically on failure, or videos of your entire test suite when run headlessly.</p>



# Comparision of Tools

Tools	Features
Apache JMeter	<p>Ability to load and performance test many different applications/server/protocol types, have full featured Test IDE that allows fast Test Plan recording (from Browsers or native applications), building and debugging, have command-line mode to load test from any Java compatible OS, have easy correlation through ability to extract data from most popular response formats, HTML, JSON , XML or any textual format and have complete portability and 100% Java purity.</p>



# Comparision of Tools

Tools	Features
FitNesse	Has rich-text editor has extra features to support table creation and modification, can define Acceptance Tests Collaboratively, the wiki pages are run as tests, FitNesse comes as an all-on-one package, wiki pages are stored as files, so there is no hassle with databases, can be run on your machine or on a server.





# Conclusion

In conclusion, Selenium is the best available tool because:

- It has more functionalities than the others, more plugins for add more supported languages and environments and versatility.
- It's free and Open Source.
- It has a more hard learning curve but have more options and is a more powerful tool than the others.
- It is a widely used and standardized tool.
- Is compatible with Maven and IntelliJ, tools that are already known and used by the company.