

Selenium Ide Software Testing

Selenium (software)

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Selenium is an open source umbrella project for a range of tools and libraries aimed at supporting browser automation. It provides a playback tool for authoring functional tests across most modern web browsers, without the need to learn a test scripting language (Selenium IDE). It also provides a test domain-specific language (Selenese) to write tests in a number of popular programming languages, including JavaScript (Node.js), C#, Groovy, Java, Perl, PHP, Python, Ruby and Scala. Selenium runs on Windows, Linux, and macOS. It is open-source software released under the Apache License 2.0.

Selenium is an open-source automation framework for web applications, enabling testers and developers to automate browser interactions and perform functional testing. With versatile tools like WebDriver, Selenium...

Test automation

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Test automation is the use of software (separate from the software being tested) for controlling the execution of tests and comparing actual outcome with predicted. Test automation supports testing the system under test (SUT) without manual interaction which can lead to faster test execution and testing more often. Test automation is key aspect of continuous testing and often for continuous integration and continuous delivery (CI/CD).

Silk Test

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Silk Test is a tool for automated function and regression testing of enterprise applications. It was originally developed by Segue Software which was acquired by Borland in 2006. Borland was acquired by Micro Focus International in 2009 and Micro Focus was later acquired by OpenText in 2023. The original name for the product from 1993 through 1996 was QA Partner.

Silk Test offers various clients:

Silk Test Workbench allows automation testing on a visual level (similar to former TestPartner) as well as using

VB.Net as scripting language

Silk Test Classic uses the domain specific 4Test language for automation scripting. It is an object oriented language similar to C++. It uses the concepts of classes, objects, and inheritance.

Silk4J renamed UFT Developer allows automation in Eclipse using...

NetBeans

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NetBeans is an integrated development environment (IDE) for Java. NetBeans allows applications to be developed from a set of modular software components called modules. NetBeans runs on Windows, macOS, Linux and Solaris. In addition to Java development, it has extensions for other languages like PHP, C, C++, HTML5, and JavaScript. Applications based on NetBeans, including the NetBeans IDE, can be extended by third party developers.

Katalon Studio

automation testing software tool developed by Katalon, Inc. The software is built on top of the open-source automation frameworks Selenium, Appium with

Katalon Platform is an automation testing software tool developed by Katalon, Inc. The software is built on top of the open-source automation frameworks Selenium, Appium with a specialized IDE interface for web, API, mobile and desktop application testing. Its initial release for internal use was in January 2015. Its first public release was in September 2016. In 2018, the software acquired 9% of market penetration for UI test automation, according to The State of Testing 2018 Report by SmartBear.

Katalon is recognized as a March 2019 and March 2020 Gartner Peer Insights Customers' Choice for Software Test Automation.

Twist (software)

Twist is a test automation and functional testing solution built by Thoughtworks Studios, the software division of ThoughtWorks. It uses Behavior Driven

Twist is a test automation and functional testing solution built by Thoughtworks Studios, the software division of ThoughtWorks. It uses Behavior Driven Development (BDD) and Test-driven development (TDD) for functional testing of the application. It is a part of the Adaptive ALM solution consisting of Twist for Agile testing by ThoughtWorks Studios, Mingle for Agile project management and Go for Agile release management.

Twist is no longer supported by ThoughtWorks.

Headless browser

its testing protocols. Jasmine uses Selenium by default, but can use WebKit or Headless Chrome, to run browser tests. Cypress, a frontend testing framework

A headless browser is a web browser without a graphical user interface.

Headless browsers provide automated control of a web page in an environment similar to popular web browsers, but they are executed via a command-line interface or using network communication. They are particularly useful for testing web pages as they are able to render and understand HTML the same way a browser would, including styling elements such as page layout, color, font selection and execution of JavaScript and Ajax which are usually not available when using other testing methods.

Since version 59 of Google Chrome and version 56 of Firefox, there is native support for remote control of the browser. This made earlier efforts obsolete, notably PhantomJS.

Perforce

acquired software developer TestCraft Technologies, a provider of automated Selenium-based web application testing. In July, Perforce acquired software developer

Perforce Software, Inc. is an American developer of

software used for developing and running applications, including version control software, web-based repository management, developer collaboration, application lifecycle management, web application servers, debugging tools, platform automation, and agile planning software.

The company is based in Minneapolis, Minnesota, and is equally owned by private equity firms Clearlake Capital and Francisco Partners.

BrowserStack

Automate and Percy. Browserstack integrates with other software testing products such as Selenium IDE, Testim, Katalon and playwright used in 135 countries

BrowserStack is a cloud-based software testing platform founded in 2011. It provides tools for testing websites and mobile applications across multiple devices, browsers, and operating systems. The company is headquartered in Mumbai, with additional offices in San Francisco, New York, and Ireland.

Gatling (software)

Software performance testing Performance engineering Software testing Selenium (software) "Gatling announces 20 million downloads",. Storiesout. 7 December

Gatling is a load- and performance-testing framework

based on Scala and Netty. The first stable release was published on January 13, 2012. In 2015, Gatling's founder, Stéphane Landelle, created a company (named "Gatling Corp"), dedicated to the development of the open-source project. According to Gatling Corp's official website, Gatling was downloaded more than 20,000,000 times (2024). In June 2016, Gatling officially presented Gatling Enterprise the commercial version which included test orchestration and team collaboration features.

The software is designed to be used as a load testing tool for analyzing and measuring the performance of a variety of services, with a focus on web applications, application programming interfaces (APIs), and microservices.

Gatling was mentioned twice in ThoughtWorks...

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