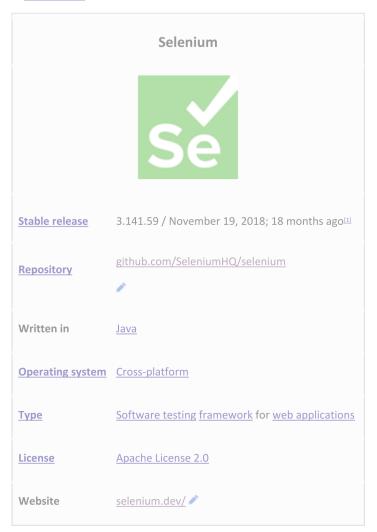
## Selenium (software)

This article is about the software testing framework. For the chemical element, see <u>Selenium</u>.



**Selenium** is a portable <u>framework</u> for <u>testing web applications</u>. Selenium provides a playback tool for authoring <u>functional tests</u> without the need to learn a test <u>scripting language</u> (Selenium IDE). It also provides a test <u>domain-specific language</u> (Selenese) to write tests in a number of popular programming languages, including <u>C#</u>, <u>Groovy</u>, <u>Java</u>, <u>Perl</u>, <u>PHP</u>, <u>Python</u>, <u>Ruby</u> and <u>Scala</u>. The tests can then run against most modern <u>web browsers</u>. Selenium runs on <u>Windows</u>, <u>Linux</u>, and macOS. It is open-source software released under the Apache License 2.0.

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## History[edit]

Selenium was originally developed by Jason Huggins in 2004 as an internal tool at <u>ThoughtWorks</u>. Huggins was later joined by <u>other programmers and testers at</u> ThoughtWorks, before Paul Hammant joined the team and steered the development of the second mode of operation that would later become "Sesentite Control (RC). Chattadi (RC) of the small cast that year.

In 2008 Dan Fabulich and Nelson Sproul (with help from Pat Lightbody) made an offer to accept a series of patches that would transform Selenium-RC into what it became best known for. In the same meeting, the steering of Selenium as a project would continue as a committee, with Huggins and Hammant being the ThoughtWorks representatives.

In 2007, Huggins joined Google. Together with others like Jennifer Bevan, he continued with the development and stabilization of Selenium RC. At the same time, Simon Stewart at ThoughtWorks developed a superior browser automation tool called WebDriver. In 2009, after a meeting between the developers at the Google Test Automation Confered deditivas elicited the circle of the cir

In 2008, Philippe Hanrigou (then at ThoughtWorks) made "Selenium Grid", which provides a hub allowing the running of multiple Selenium tests concurrently on any number of local or remote systems, thus minimizing test execution time. Grid offered, as open source, a similar capability to the internal/private Google cloud for Selenium RC. Pat Lightbody had actually private approvate and the tree to the control of the control

The name Selenium comes from a joke made by Huggins in an email, mocking a competitor named Mercury, saying that you can cure mercury poisoning by taking selenium supplements. The others that received the email took the name and ran with it.

## Component Recipi

Selenium is composed of several components with each taking on a specific role in aiding the development of web application test automation.

## Selenium IDE Codit

Selenium IDE is a complete integrated development environment (IDE) for Selenium tests. It is implemented as a Firefox Add-On and as a Chrome Extension. It allows for recording, editing and debugging of functional tests. It was previously known as Selenium Recordes Selenium rid in a selenium rid in a selenium project in 2006. Selenium IDE was previously littlemaintained. Selenium IDE was previously littlemaintained. Selenium IDE was previously littlemaintained. Selenium IDE was previously littlemaintained.

Scripts may be automatically recorded and edited manually providing <u>autocompletion</u> support and the ability to move commands around quickly.