# WebDriverIO

It's a javascript based test automation framework written in Node.Js. It’s open source, extendible, compatible, feature-rich and easy installation.



Javascript written by the user sends a request ( by Webdriver.IO via nodeJS ) to the Selenium server in the form of HTTP command using JSON wire Protocol.

Why use WebDriver.IO instead of Selenium WebDriver?

1. WebDriver.IO is front-end friendly : Fully in javascript
2. It has the same power as Selenium
3. Simple
4. Page Objects

# Installation

[Webdriver.io installation guide](http://v4.webdriver.io/guide/getstarted/install.html)

## Requirements

(includes cucumber installation as well)

* [Java](https://www.java.com/download/ie_manual.jsp) Version 8 Update 321
  + Check version using java -version
* [Git Bash](https://gitforwindows.org/)
* [Node.js installation](https://nodejs.org/en/) - Version 16.14.2 LTS
* NPM installation - Version 8.5.0
* Visual Studio code
* Cucumber - 6.0.5
* Webdriverio - 7.19.1
* Wdio-selenium-standalone-service - 0.0.12
* Wdio cli - 5.8.1

## Steps

1 : Install Node.js

2 :

# Resources

1. [WebDriver.IO](https://webdriver.io/)
2. [Tutorial using Selenium](https://www.browserstack.com/guide/webdriverio-tutorial-for-selenium-automation)
3. [UI Automation](https://testautomationu.applitools.com/webdriverio-tutorial/)
4. [Webdriver.io tutorial with example](https://www.lambdatest.com/blog/webdriverio-tutorial-with-examples-for-selenium-testing/)
5. [Youtube tutorial Installation](https://www.youtube.com/watch?time_continue=953&v=FV_FhBh4v8k&feature=emb_logo)
6. [Youtube WebdriverIO](https://www.youtube.com/playlist?list=PL6AdzyjjD5HBbt9amjf3wIVMaobb28ZYN)
7. [TAU - UI Automation](https://testautomationu.applitools.com/webdriverio-tutorial/)

Project Sample

1. [GetXray](https://docs.getxray.app/display/XRAY500/Testing+using+WebDriverIO+and+Cucumber+in+JavaScript)
2. [Dzone](https://dzone.com/articles/webdriverio-integration-with-cucumber)