**how to run a selenium program in eclipse ide**

**1. Selenium Server**

Type Selenium Org and select Selenium

Click on Downloads

Select Selenium Server (Grid ) 🡪 click on Latest Stable version 4.18.1

Server Jar file will be downloaded

**2. Selenium Client**

Select and click Selenium Java Stable 4.18.1

Selenium Java Zip file downloaded

[**https://www.youtube.com/watch?v=sPGn11JAeyY**](https://www.youtube.com/watch?v=sPGn11JAeyY)

**3. Configuration**

Create a folder Selenium Webdriver in C Drive

Copy Server jar file and Client Selenium Java files.

**4. Install Browser Driver**

Type chrome Driver in Google

Select Chrome Driver - Webdriver for Chrome

To check the version select … dotted symbol 🡪 help🡪 about Google Chrome

You can see the latest version of Chrome as

Chrome is up to date

Version 122.0.6261.129 (Official Build) (64-bit)

**Selenium web driver for java (Stable release 103.0.5060.134)**

The same version Chrome Driver should be installed

Select and click Chrome for testing availability dashboard on **Latest Cromedriver Binaries**

On the Stable Channel select the correct version Chromedriver Stable

Here

|  |  |  |  |
| --- | --- | --- | --- |
| **chromedriver** | **win64** | https://storage.googleapis.com/chrome-for-testing-public/122.0.6261.128/win64/chromedriver-win64.zip | 200 |

Copy and download the file.

Copy the extracted fil.

Create a folder “ChromeDriver” under C:\Webdriver”

Paste the extracted file.

//////

Open Eclipse

New project🡪

Project name🡪SeleniumDemo1

Execution environment -🡪 latest Java version 🡪 JavaSE-17

Finish

Then create a Package

Select SeleniumDemo1🡪New 🡪 Package 🡪 Type the package name (Edu)

Then create a class

Select src 🡪 New🡪 Class 🡪 Type Selenium Script

Make sure Public and public static void main is selected for class

Before execution

Attach the necessary jar files

Select src 🡪 Build Path🡪 Configure Build path 🡪 Libraries 🡪 Add external Jars 🡪 Apply and Close

Locate jar file from C:\webdriver🡪Selenium-server-4.18.1

Start to write code

**package** Edu;

**import** org.openqa.selenium.WebDriver;

**public** **class** SeleniumScript {

**public** **static** **void** main(String[] args) {

System.*setProperty*("webdriver.Chrome.Driver", "C:\\Webdriver\\chromedriver\\chromedriver-win32");

//Webdriver driver = **new** ChromeDriver();

ChromeDriver driver = **new** ChromeDriver();

driver.get(<http://google.com>);

}

}

# How to Setup Selenium WebDriver in Eclipse IDE

<https://www.youtube.com/watch?v=FVwSjBXb20o> - Recommended

<https://www.youtube.com/watch?v=sPGn11JAeyY> - Recommended

<https://www.youtube.com/watch?v=0_dsqtXFZic>

**Needed Software for Software Testing**

**1. JAVASE - JDK**

**2. Eclipse**

**3. Selenium Server (it is a jar file)**

[**https://www.selenium.dev/downloads/**](https://www.selenium.dev/downloads/)

**Selenium Server (Grid )** 🡪 click and download Latest Stable version 4.18.1

**4. Selenium Client (it is a folder - selenium-java-4.18.1)**

[**https://www.selenium.dev/downloads/**](https://www.selenium.dev/downloads/)

Selenium Clients and WebDriver Language Bindings 🡪 Click on Java Stable

**5. Select Chrome Driver - Webdriver for Chrome**

<https://chromedriver.chromium.org/downloads>

Check Chrome Version and download the Chrome driver

**Note:** For 2, 3 and 4, Create a folder in C drive and keep all downloaded files and folder in that folder.

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