

JMeter - Selenium WebDriver integration

Client side performance analysis using WebDriver sampler

Step 1 : Open JMeter

Step 2 : Add plugin

JMeter > Plugin Manager > Selenium/WebDriver Support

<https://github.com/undera/jmeter-plugins-webdriver>

<https://github.com/undera/jmeter-plugins-webdriver/blob/master/WebDriverTutorial.wiki>

Step 3 : Create a test plan > add thread group

Step 4 : Add

Config Element -> jp@gc - Chrome Driver Config

Sampler -> jp@gc - Web Driver Sampler

Listener -> View Results Tree

Step 5 : Download chromedriver.exe and provide the location in

Chrome Driver Config

e.g. - D:\Desktop\drivers\chromedriver\chromedriver.exe

Step 6 : Add scripts in *Web Driver Sampler*

e.g:

```
WDS.sampleResult.sampleStart()
```

```
WDS.browser.get('https://google.com')
```

```
WDS.sampleResult.sampleEnd()
```

```
WDS.sampleResult.sampleStart()
```

```
WDS.browser.get("https://www.google.com/");
```

```
var searchBox =
```

```
WDS.browser.findElement(org.openqa.selenium.By.name("q"));
```

```
searchBox.click();
```

```
searchBox.sendKeys('Test');
```

```
searchBox.sendKeys(org.openqa.selenium.Keys.ENTER);
```

```
WDS.sampleResult.sampleEnd()
```

Step 7 : Run & Validate

Notes:

1. WebDriver Sampler automates the execution and collection of Performance metrics on the Browser (client-side)
2. While using WebDriver sampler each thread will have a single browser instance and each browser consumes significant amount of resources