

# Selenium WebDriver Chrome Options

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# Agenda

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# Chrome Options

- ChromeOptions is separate in Selenium which will help to manage options specific to ChromeDriver.
- ChromeOptions is class extends MutableCapabilities.
- It added after Selenium 3.6.0

## Why it is required?

- If you want to make/change any settings of browser then you can use this class.
- By default Selenium starts fresh profile of browser which don't have any settings, cookies, history and so on.

# Chrome Options: Use Cases

```
Chrome Options options = new ChromeOptions()
```

- To add new extension

- `options.addExtensions(new File("/path/to/extension.crx"));`

- To add binary path

- `options.setBinary(new File("/path/to/chrome"));`

- To accept untrusted certificate

- `options.setAcceptInsecureCerts(true);`

- To Disable infobar

- `options.setExperimentalOption("excludeSwitches", Collections.singletonList("enable-automation"));`

- `options.setExperimentalOption("useAutomationExtension", false);`

- For Headless Mode

- `options.addArguments("--headless");`

- `options.addArguments("--disable-gpu");`

# Chrome Options: Code Example


To download extension.crx file, you can visit [Chrome Web Store](#) and download any extension using [CRX Extractor](#)

```
1  class ChromeOptionsExample {
2      public static void main(String[] args) {
3          ChromeOptions options = new ChromeOptions();
4          options.addExtensions(new File("/Users/mahmud/Downloads/extension.crx"));
5
6          // Add chrome switch to start browser in maximized mode
7          options.addArguments("--start-maximized");
8
9          // Add chrome switch to set browser language (here setting as Bangla)
10         options.addArguments("--lang=en");
11
12         // Add chrome switch to disable infobar and tooltips
13         options.setExperimentalOption("excludeSwitches", Arrays.asList("enable-automation", "disable-popup-blocking"));
14         options.setExperimentalOption("useAutomationExtension", false);
15
16         WebDriver driver = new ChromeDriver(options);
17     }
18 }
```

# Selenium WebDriver File Upload: Code Example

```
1  class FileUploadExample {
2      public static void main(String[] args) {
3          WebDriver driver = new ChromeDriver();
4          driver.get("https://www.lambdatest.com/selenium-playground/upload-file-demo");
5
6          WebElement chooseFile = driver.findElement(By.id("file"));
7          chooseFile.sendKeys("/Users/mahmud/Downloads/github-1-1-1.png");
8
9          String message = driver.findElement(By.id("error")).getText();
10
11         System.out.println(message);
12     }
13 }
```

Thank you 

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