Selenium 3

Selenium 3 is the latest version of Selenium and is released into the market on Oct 13, 2016.

Change#1 - The big change in this version is that the Selenium RC which is part of Selenium 2 is dropped out in Selenium 3.

Change#2 - Another big change in Selenium 3 is that, we have to use Mozilla's gecko driver for running Selenium Automation scripts on Firefox browser. Till Selenium 2, development and support of selenium driver for Firefox is provided by Selenium guys using FirefoxDriver class in Selenium, but from Selenium 3 the development and support for selenium driver for Firefox will be provided by Mozilla Firefox Browser vendor using the gecko driver. Hence from Selenium 3, we have to use gecko driver in order to execute the Selenium Automation scripts on Firefox browser.

Change#3 - Apple company will be providing the support for Safari Driver for executing the Selenium Automation scripts on Safari browser of macOS Sierra operating system.

Change#4 - Microsoft company will be providing the support for Edge Driver for executing the Selenium Automation scripts on Edge browser.

And many more

Executing Selenium 3 scripts on Firefox Browser

Execute Selenium 3 scripts on Firefox Browser - Demonstrate here

- Create a new Java Project and configure it with latest Selenium 3 Jar files
- Create a drivers folder and paste the latest geckodriver.exe into it
- Check the 'change log' of Gecko Driver to find the compatible firefox browser version and install it
- Create a Java Class, set the property for geckodriver and execute the program.

Executing Selenium 3 scripts on Chrome Browser

Execute Selenium 3 scripts on Chrome Browser - Demonstrate here

- Create a new Java Project and configure it with latest Selenium 3 Jar files
- Create a drivers folder and paste the latest chromedriver.exe into it
- Check the 'change log' of Chrome Driver to find the compatible chrome browser version
- Create a Java Class, set the property for chromedriver and execute the program.

Executing Selenium 3 scripts on IE Browser

Execute Selenium 3 scripts on Internet Explorer Browser - Demonstrate here

- Create a new Java Project and configure it with latest Selenium 3 Jar files
- Create a drivers folder and paste the latest IEDriverServer.exe into it
- Selenium 3 supports all the versions from IE 6 to IE 11
- Create a Java Class, set the property for IEDriverServer and execute the program.

Advantage of using WebDriver interface in Selenium programs

Using WebDriver interface, we can just create a variable for it and assign the objects of different sub-classes i.e. FirefoxDriver, ChromeDriver, InternetExplorerDriver etc to the same variable of WebDriver interface when and there

required - [Demonstrate here](#)

- Create a Java project, package and a Class
- Configure the Project with Selenium Jars
- Create drivers folder and copy all compatible drivers for Firefox, Chrome, Internet Explorer etc.
- Use WebDriver interface variable to store objects of different classes i.e. FirefoxDriver, ChromeDriver, InternetExplorerDriver