

1.Problem Statement:

Launch Internet Explorer using System.setProperty by configuring all the driver under the project.

2.Source code:

```
package com.ibm.seleniumconcepts;

import org.openqa.selenium.WebDriver;
import org.openqa.selenium.ie.InternetExplorerDriver;
import org.openqa.selenium.chrome.ChromeDriver;
import org.openqa.selenium.firefox.FirefoxDriver;

public class LaunchIeBrowser {

    public static void main(String[] args) {

        // Setting the absolute path to load Chrome Driver
        System.setProperty("webdriver.chrome.driver",
"./drivers/chromedriver.exe");
        // WebDriver driver1=new ChromeDriver();

        // Setting the absolute path to load Chrome Driver
        System.setProperty("webdriver.gecko.driver",
"./drivers/geckodriver.exe");

        // WebDriver driver2=new FirefoxDriver();

        // Setting the absolute path to load IE Driver
        System.setProperty("webdriver.ie.driver",
"./drivers/IEDriverServer.exe");

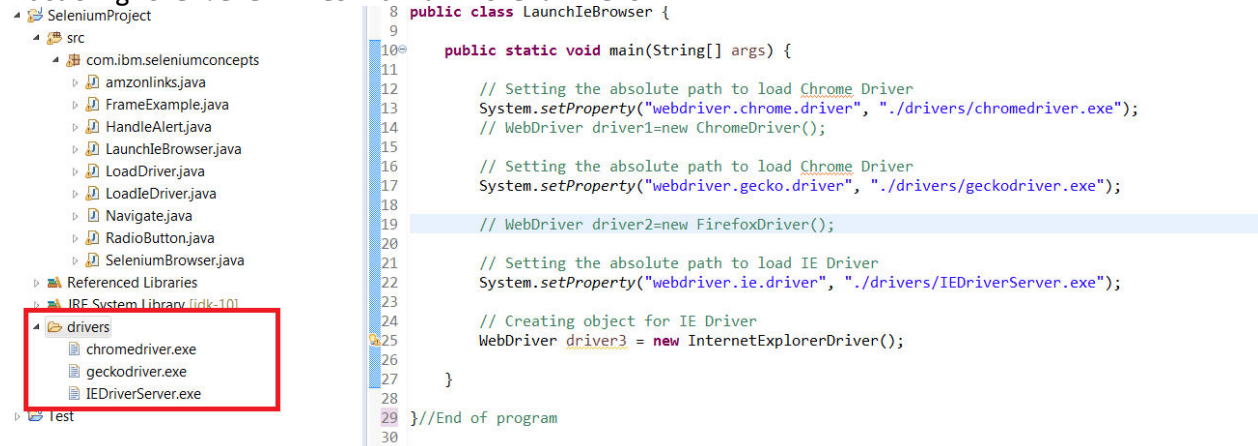
        // Creating object for IE Driver
        WebDriver driver3 = new InternetExplorerDriver();

    }

}

} //End of program
```

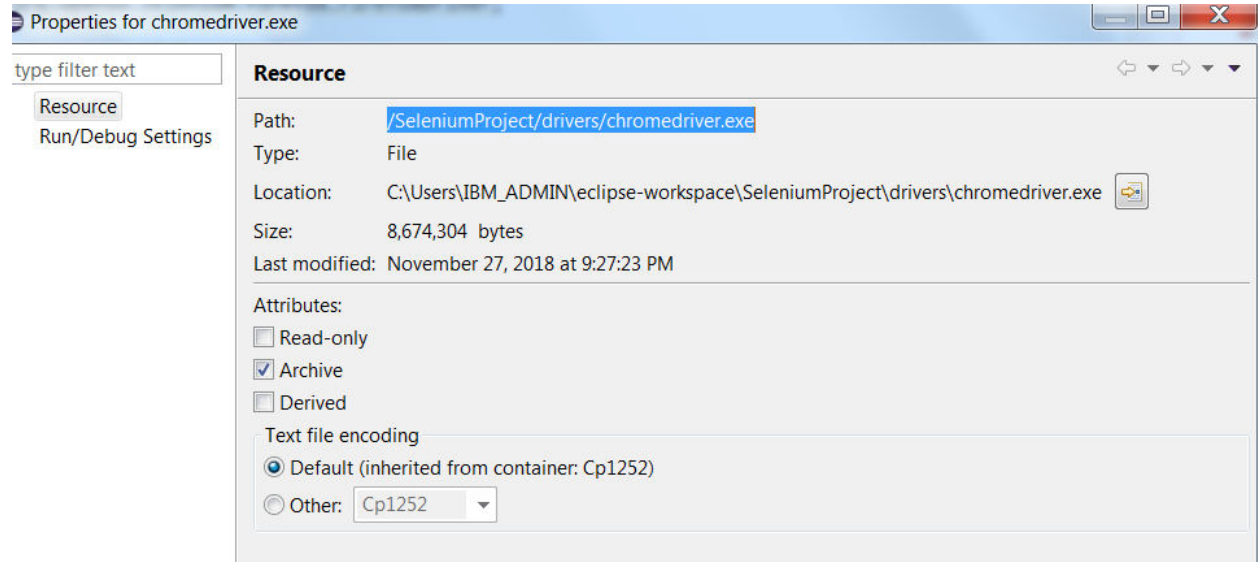
Locating the .exe files for all the drivers



The screenshot shows the Eclipse IDE with a project named 'SeleniumProject'. The left sidebar displays the project structure, including a 'drivers' folder containing 'chromedriver.exe', 'geckodriver.exe', and 'IEDriverServer.exe'. The main editor shows the 'LaunchIeBrowser.java' file with the following code:

```
8 public class LaunchIeBrowser {
9
10     public static void main(String[] args) {
11
12         // Setting the absolute path to load Chrome Driver
13         System.setProperty("webdriver.chrome.driver", "./drivers/chromedriver.exe");
14         // WebDriver driver1=new ChromeDriver();
15
16         // Setting the absolute path to load Chrome Driver
17         System.setProperty("webdriver.gecko.driver", "./drivers/geckodriver.exe");
18
19         // WebDriver driver2=new FirefoxDriver();
20
21         // Setting the absolute path to load IE Driver
22         System.setProperty("webdriver.ie.driver", "./drivers/IEDriverServer.exe");
23
24         // Creating object for IE Driver
25         WebDriver driver3 = new InternetExplorerDriver();
26
27     }
28
29 } //End of program
30
```

Path for Chrome driver:



The screenshot shows the 'Properties for chromedriver.exe' dialog box. The 'Resource' tab is selected, displaying the following information:

- Path: /SeleniumProject/drivers/chromedriver.exe
- Type: File
- Location: C:\Users\IBM_ADMIN\eclipse-workspace\SeleniumProject\drivers\chromedriver.exe
- Size: 8,674,304 bytes
- Last modified: November 27, 2018 at 9:27:23 PM

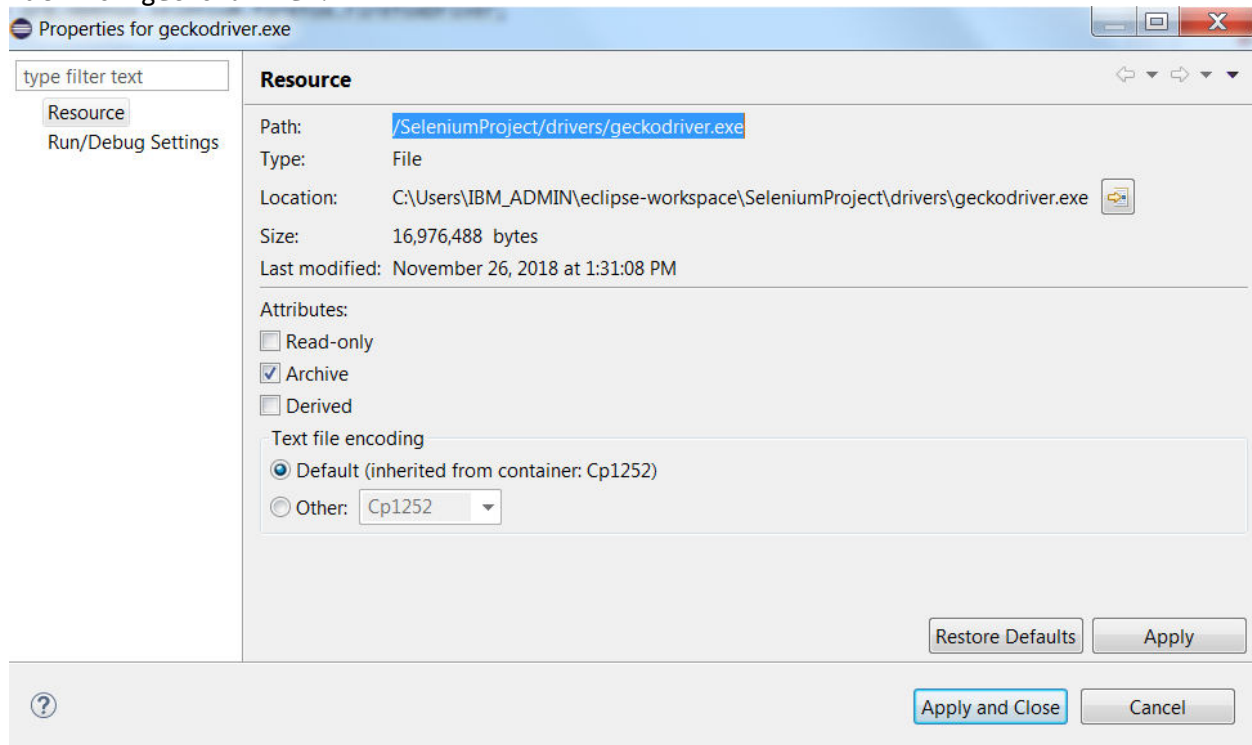
Attributes:

- ☐ Read-only
- ☒ Archive
- ☐ Derived

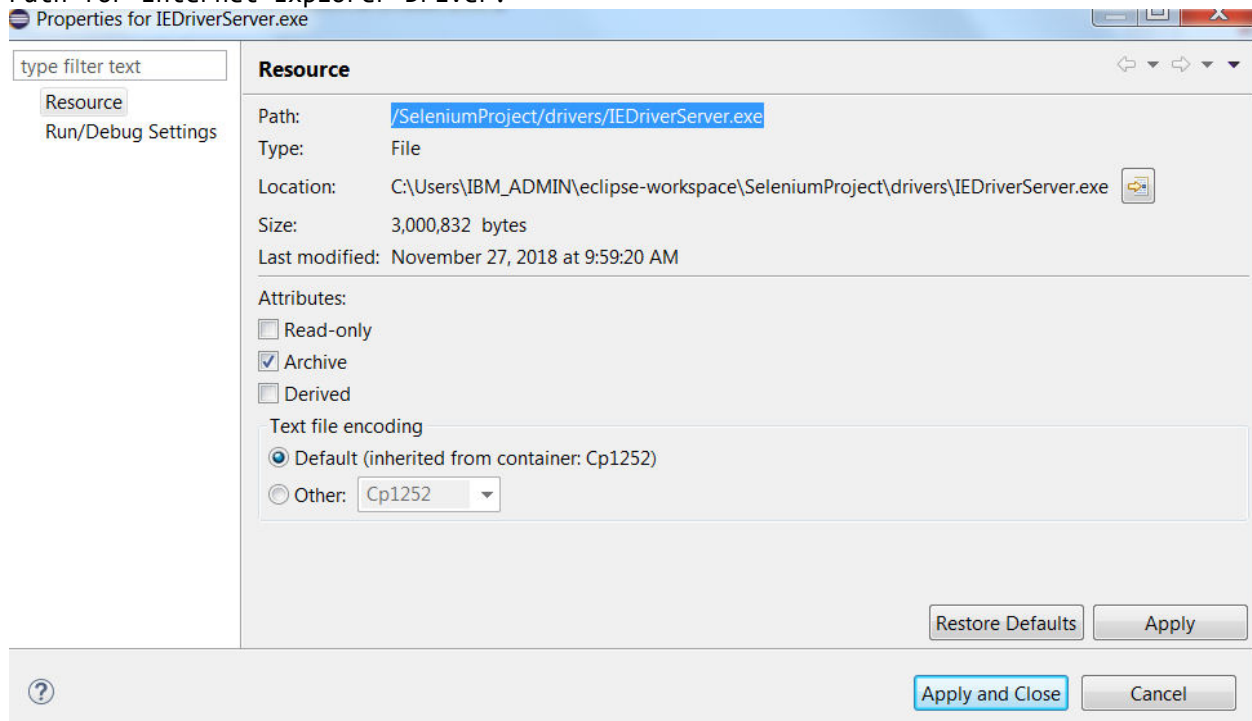
Text file encoding:

- ☒ Default (inherited from container: Cp1252)
- ☐ Other: Cp1252

Path for gecko driver:

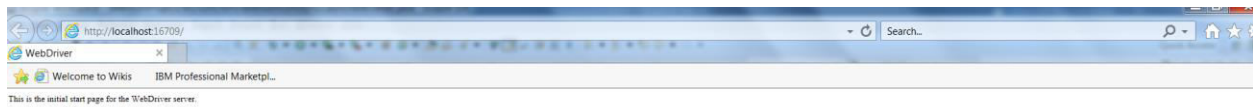


Path for Internet Explorer Driver:



3. Output:

Launch of Internet Explorer driver:



4.Flow Information:

Firstly the .exe file for Chrome,Firefox and Internet explorer drivers are placed in drivers folder of project. The absolute path is set for all 3 drivers using System.setProperty. The WebDriver reference is created by instantiating InternetExploerDriver only. After running the program, the internet explorer is launched as output.