

1. Invoking the browser

Step 1 : Invoking the Browser

Plain Vanilla Invoking

We will use this to invoke the default version of firefox installed, with a blank profile, with no user extension installed and no cookies set.

```
WebDriver driver = new FireFoxDriver();
```

Invoking a version other than default

This invoking approach we'll use when there are multiple versions of firefox installed, and we want to test our application on the firefox version different than that of default version.

For example let's say the default version of browser installed is 11, but we want to test our application on Firefox 10.

So download the firefox 10 binary and install it.

```
FirefoxBinary bin = new FirefoxBinary(new File("Path till firefox 10 binary"));  
WebDriver driver = new FireFoxDriver(bin,null);
```

Doing so, will launch the firefox 10 browser.

Invoking browser with profile

Sometimes while performing automation, we want firefox to be launched with specific profile with the firefox add-ons and extensions installed. To do so we will first refer the steps to create a new firefox profile.

- Close all the previously opened firefox browsers.
- Open command prompt on 32 bit windows - C:\Program Files\Mozilla Firefox\firefox.exe" -p
- On 64 bit windows - C:\Program Files(x86)\Mozilla Firefox\firefox.exe" -p.
- The profile manager window opens up.
- Click on Create Profile.
- Provide a name to profile, and choose the storage location of profile on your computer.

Now, click Finish to launch firefox with this newly created profile. Install the required extensions or add-ons, e.g.

Selenium IDE, firebug. Profile is ready now stored at location (specified in last step above) with all the desired extensions and add-ons installed.

To launch the firefox browser with the above created profile :

```
FirefoxProfile ffp = new FirefoxProfile(new File("Path to automation profile folder created in last step above."));  
WebDriver driver = new FireFoxDriver(ffp);
```

Invoking browser with cookies

After invoking the browser, we can set cookies before navigating to a URL. Cookies can be set using Cookie class in Selenium library :

```
Cookie cookie = new Cookie("key", "value");  
driver.manage().addCookie(cookie);
```