Prerequisites
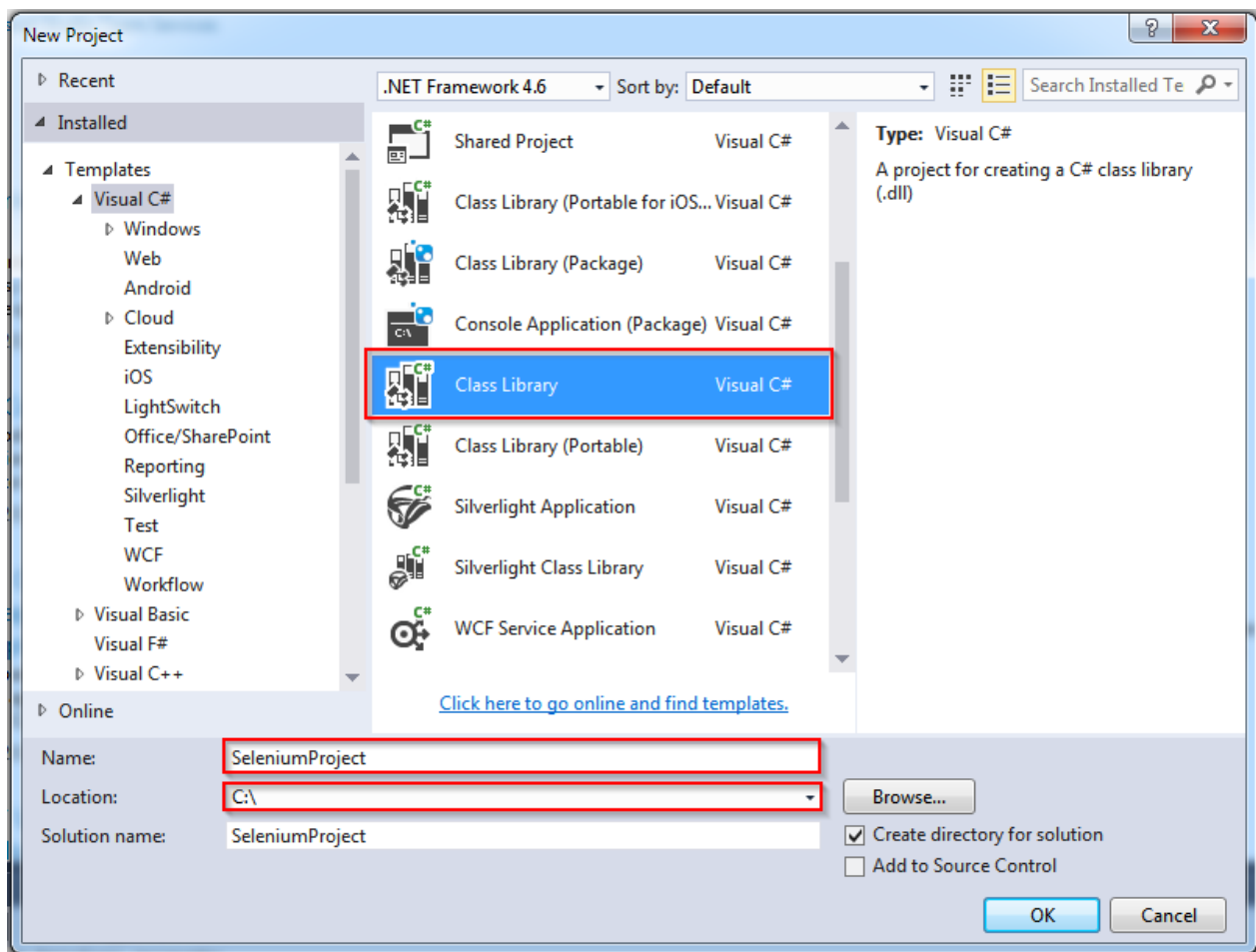
VS 2015

NUnit 3 Test Adapter (Tools -> Extensions and Updates)

Chromium portable version (https://commondatastorage.googleapis.com/...)
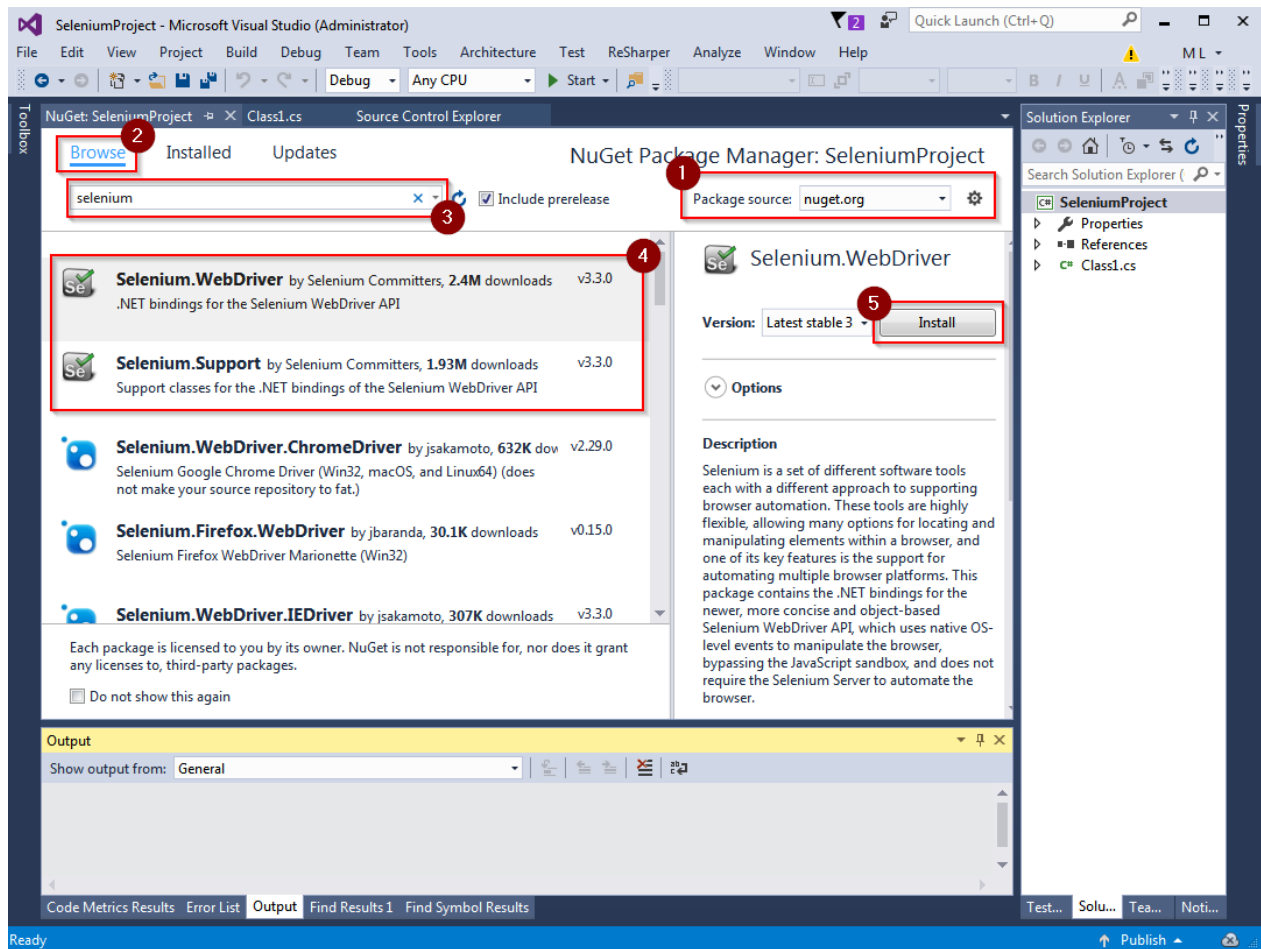
Create project

1. Open Visual studio 2015 (as administrator)
2. File -> New -> Project -> Class Library (Visual C#)

3. Click OK

Add NuGet packages

1. Project -> Manage NuGet packages
2. Select package source (nuget.org)
3. Switch to Browse section
4. Search for "selenium"
5. Select **Selenium.Support** package
6. Install (**Selenium.WebDriver** package is installed automatically with **Selenium.Support**)

7. Search for "chrome driver"
8. Select **Selenium.Webdriver.ChromeDriver** package
9. Install
10. Search for "nunit"
11. Select **NUnit** package
12. Install

Check successful installation in packages.config

```xml
<?xml version="1.0" encoding="utf-8"?>
<packages>
  <package id="NUnit" version="3.6.1" targetFramework="net46" />
  <package id="Selenium.Support" version="3.3.0" targetFramework="net46" />
  <package id="Selenium.WebDriver" version="3.3.0" targetFramework="net46" />
  <package id="Selenium.WebDriver.ChromeDriver" version="2.29.0" targetFramework="net46" />
</packages>
```

Create sample tests

Create test class

1. Project -> Add class with name **SeleniumTest**

Init a WebDriver

2. Create a method InitWebDriver that returns a new instance of ChromeDriver class.

```csharp
using System;
using OpenQA.Selenium;
using OpenQA.Selenium.Chrome;

namespace SeleniumProject
{
    public class SeleniumTest
    {
        private string CHROME_BINARY_PATH = @"C:\UITestsWorkshop\Chromium\chrome.exe";

        public IWebDriver InitWebDriver()
        {
            var chromeService = ChromeDriverService.CreateDefaultService();
            var options = new ChromeOptions()
            {
                BinaryLocation = CHROME_BINARY_PATH
            };

            return new ChromeDriver(chromeService, options, TimeSpan.FromMinutes(5));
        }
    }
}
```

Create a test

3. Add using **NUnit.Framework**
4. Create method SampleTest() with attribute Test
5. Init a web driver and navigate to a web page.

```csharp
[Test]
public void SampleTest()
{
    var driver = InitWebDriver();

    driver.Navigate().GoToUrl("http://localhost");

    System.Threading.Thread.Sleep(5000);

    driver.Quit();
    driver.Dispose();
}
```

Run the test

1. Build the project
2. Test -> Window -> Test Explorer
3. Run the SampleTest