



**FREE eBook**

# LEARNING phantomjs

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**#phantomjs**

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# About

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# Chapter 1: Getting started with phantomjs

## Remarks

PhantomJS is a headless Selenium WebDriver with JavaScript support.

It is based on WebKit, making it behave similarly to Google Chrome or Safari.

It is slightly faster than a regular WebDriver like ChromeDriver or FirefoxDriver in both startup time and performance.

PhantomJS has many [options and services](#) that alter the behavior of the test, such as hiding the command prompt or not loading images.

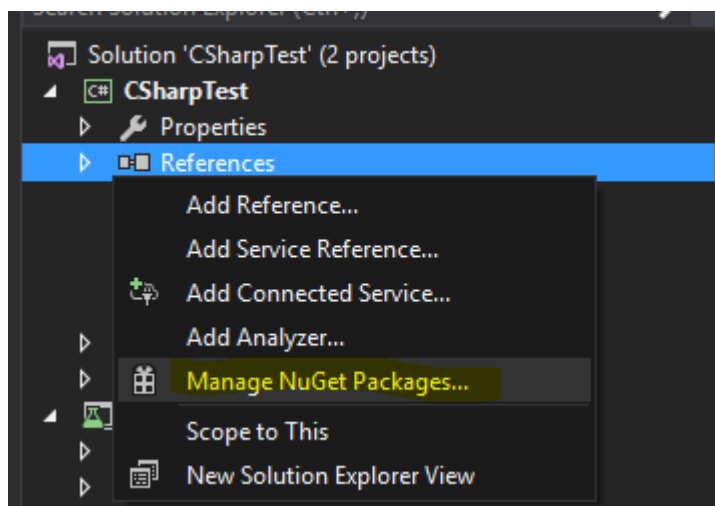
## Examples

### Installation or Setup

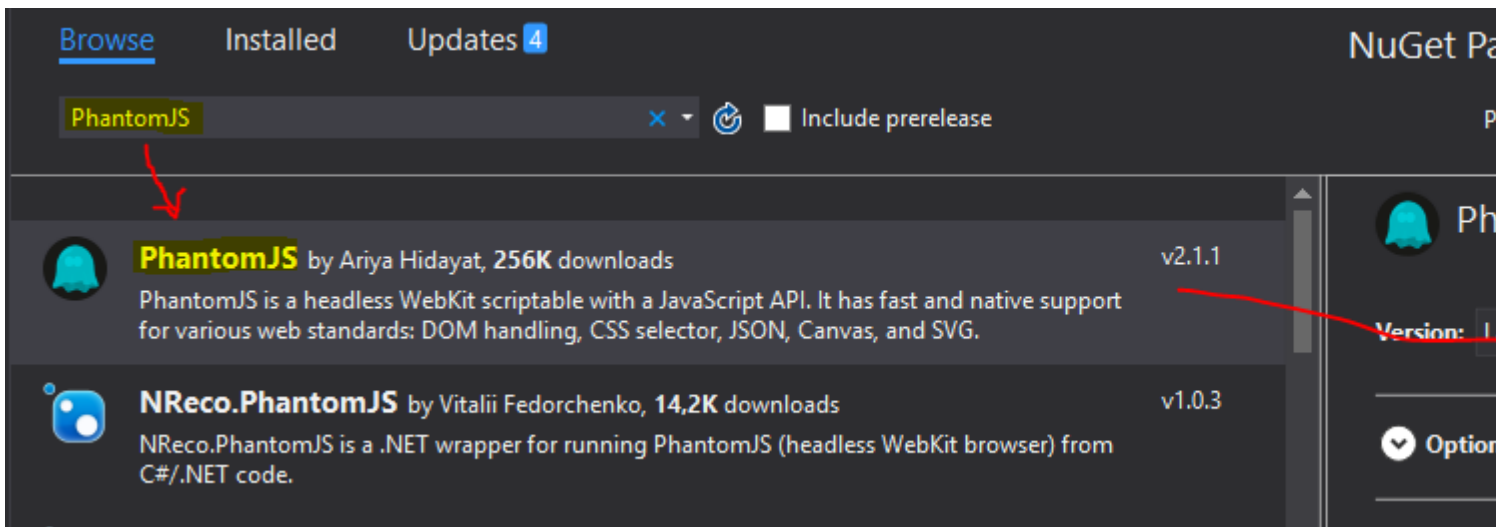
#### For Visual Studio [NuGet]:

The easiest way of installing PhantomJS is by using a NuGet Package Manager.

In your project, right click "References", and click on "Manage NuGet Packages" as shown:



Then, type "PhantomJS" to the search bar, select it and install it as shown below.



Here's a list of other recommended packages:

- Selenium.WebDriver - To use PhantomJS with Selenium
- Selenium.Support - To further extend capabilities of Selenium

Now, add these references at the beginning:

```
using OpenQA.Selenium;  
using OpenQA.Selenium.PhantomJS;
```

Now you can test it with a simple program like this [C#]:

```
using (var driver = new PhantomJSDriver())  
{  
    driver.Navigate().GoToUrl("http://stackoverflow.com/");  
  
    var questions = driver.FindElements(By.ClassName("question-hyperlink"));  
  
    foreach (var question in questions)  
    {  
        // This will display every question header on StackOverflow homepage.  
        Console.WriteLine(question.Text);  
    }  
}
```

## Loading a Webpage

```
var page = require('webpage').create();  
page.open('http://www.google.com', function(status) {  
    console.log("Status: " + status);  
    var title = page.evaluate(function() {  
        return document.title;  
    });  
    console.log("Loaded page: " + title);  
    phantom.exit();  
});
```

Read Getting started with phantomjs online: <https://riptutorial.com/phantomjs/topic/7124/getting->

started-with-phantomjs

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# Chapter 2: Functions of PhantomJS

## Examples

### Options and Services

**Options** are used for adding capabilities such as "User-Agent".

Example in C#:

```
var options = new PhantomJSOptions();
options.AddAdditionalCapability("phantomjs.page.settings.userAgent",
    "Mozilla/5.0 (Windows NT 6.1; Win64; x64; rv:25.0) Gecko/20100101 Firefox/25.0");

using (var driver = new PhantomJSDriver(options))
{
    //code
}
```

---

**Services** are used to modify behavior of your PhantomJS instance, such as hiding the command prompt or for disabling loading images.

[Here's a list of all services.](#)

Example in C#:

```
var service = PhantomJSDriverService.CreateDefaultService();
service.HideCommandPromptWindow = true;
service.LoadImages = false;

using (var driver = new PhantomJSDriver(service))
{
    //code
}
```

Read Functions of PhantomJS online: <https://riptutorial.com/phantomjs/topic/7135/functions-of-phantomjs>

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# Credits

S. No	Chapters	Contributors
1	Getting started with phantomjs	<a href="#">Community</a> , <a href="#">David Starkey</a> , <a href="#">Jakub Lokša</a> , <a href="#">Martin</a>
2	Functions of PhantomJS	<a href="#">Jakub Lokša</a>