

# Setup:Installation Guide/System Preparation/Windows /PhantomJS

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PhantomJS is a so-called headless browser that can render screenshots of web pages. This is required for the web page preview in Advanced Search and the Recent Changes Overview in your BlueSpice installation. These are functionalities of BlueSpice pro. For this purpose, the steps listed here are reqired for BlueSpice pro.

## DownloadS

In Internet Explorer, open the official website of the project (1). Click "Install" (2).

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PhantomJS - Scriptable Headless Browser	
Important: PhantomJS development is suspended until further notice (more details).	
PhantomJS is a headless web browser scriptable with JavaScript. It runs on Windows, macOS, Linux, and FreeBSD.	
Using QtWebKit as the back-end, it offers fast and native support for various web standards: DOM handling, CSS selector, JSON, Canvas, and SVG.	
The following simple script for PhantomJS loads Google homepage, waits a bit, and then captures it to an image.	
<pre>vsr page = regic=("widge(").crwst(): set(").crws(pagic.org").crwst(): set(").crws(pagic.org").crws(): perform(").crws():</pre>	
PhantomJS is an optimal solution for:	
Tage automation Access webpages and extract information using the standard DOM APL or with usual libraries like jQuey. Screen capture Programmatically capture web contents, including SVG and Carnas. Create web site screenshots with thumbnail preview. Headess webpite testing Run functional tests with frameworks such as Jamnine, CUNII, MocAu, WebDirker, etc. Networks, nonlocing Monitor page loading and export as standard HAR files. Automate performance analysis using YSlow and Jenkins.	
Ready to play with PhantomJS [Instal] + 2 llow the Quick Start guide.	
Want to learn more? Read the FAQ, explore more examples, and study the complete API documentation.	
For the source code, issue tracker, and other development information, visit github.com/ariya/phantomjs.	
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Download the appropriate ZIP archive for Windows.

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Download PhantomJS	^
New to PhantomJS? Read and study the <u>Quick Start</u> guide.	
Windows	
Download phantomjs-2.1.1-windowszip ( <sup>7</sup> /4 MB) and extract (unzip) the content.	
The executable phantomys.exe is ready to use.	
Note: For this static build, the binary is self-contained with no external dependency. It will run on a fresh install of Windows Vista or later versions. There is no requirement to install QL WebKit, or any oth	ner libraries.
Mac OS X	
Download phantomis-2.1.1-macosczóp (16.4 MB) and extract (unzip) the content.	
Note: For this static build, the binary is self-contained with no external dependency. It will run on a fresh install of OS X 10.7 (Lion) or later versions. There is no requirement to install Qt or any other libra	ries.
Linux 64-bit	
Download phantomis-2.1.1-linux-x86_64.tar.bz2 (22.3 MB) and extract the content.	
Note: For this static build, the binary is self-contained. There is no requirement to install QL, WebKit, or any other libraries. It however still relies on Fontconfig the package [netconfig] or libfontconfig distribution]. The system must have GUBCX0.3.49 and GUBC_2.7.	lepending on the
Linux 32-bit	
Download phantomjs-2.1.1-linux-i686.tar.bz2 (23.0 MB) and extract the content.	
Note: For this static build, the binary is self-contained. There is no requirement to install Qt, WebKit, or any other libraries. It however still relies on <u>Fontconfig</u> (the package <u>Fontconfig</u> ) or <u>TBiFontconfig</u> ) the distribution). The system must have GUBCOX_3.4.9 and GUBC_2.7.	, depending on
FreeBSD	
Binary packages are available via pkg:	
\$ sudo pkg install phantomjs	
Source Code	
To get the source code, check the official git repository: github.com/ariya/phantomjs.	
To compiled Phantom/S from source (not recommended, unless it is absolutely necessary), follow the build instructions.	



Please note that the download on your Windows Server with Internet Explorer will only work if you have configured the Internet Explorer Advanced Security Settings in the Server Manager. Please refer to the technical documentation from Microsoft.





In this guide, we use PhantomJS version 2.1.1 as an example. You can download the latest version at the time of installation.

# Installing PhantomJS

PhantomJS does not need to go through a setup process. Unpack the downloaded ZIP archive. In the folder phantomjs-3.1.1-windows\bin you will find the executable file phantomjs.exe.

```
Simply move tit to C:\bluespice\bin .
```

{{Template:Hint|text=This guide is based on the folder structure recommended by us [[Setup: Installation Guide/Advanced/Windows Folder Structure|recommended by us]. For this reason, the default path to the folder C:\bluespice\bin is set here. If you have other requirements, you must adapt these paths accordingly.}}

### **Configuring BlueSpice**

BlueSpice must have knowledge of the location of phantomjs.exe. After the BlueSpice installation, proceed as follows:

- 1. Open the folder of your BlueSpice installation
- 2. Switch to the subfolder settings.d
- 3. In this subfolder, create a new file named 090-PhantomJS.php
- 4. Fill this file with the following content:

#### <?php

\$bsgArticlePreviewCapturePhantomJSExecutable = "C:\\bluespice\\bin\\phantomjs.exe";

#### Finishing the system preparation

If you have completed all steps successfully, you can now continue with installing BlueSpice.