

## PhantomJS and CasperJS

See [Browser Automation](#).

“

[CasperJS](#) is a navigation scripting & testing utility for PhantomJS and SlimerJS (still experimental). It eases the process of defining a full navigation scenario and provides useful high-level functions, methods & syntactic sugar for doing common tasks such as:

defining & ordering navigation steps filling forms clicking links capturing screenshots of a page (or an area) making assertions on remote DOM logging & events downloading resources, even binary ones catching errors and react accordingly writing functional test suites, exporting results as JUnit XML (xUnit)

“

[PhantomJS](#) is a headless WebKit with JavaScript API. It has fast and native support for various web standards: DOM handling, CSS selector, JSON, Canvas, and SVG.

PhantomJS is an optimal solution for fast headless testing, site scraping, pages capture, SVG renderer, network monitoring and many other use cases.

### How to install CasperJS and PhantomJS for Tiki

Starting in [Tiki18](#), PhantomJS and CasperJS are available via [Packages](#)

#### 1.1.1. Test the installation

The simplest is to use: [PluginCasperJS](#). Otherwise, use the following script to test (in the root of tiki, adjust path if other folder):

Create a file (ex.: scrape.php) with the following content

---

```
<?php // Require composer autoload require_once __DIR__ . '/vendor/autoload.php'; use
Browser\Casper; $casper = new Casper(__DIR__ . '/bin/'); $casper->setOptions(array( 'ignore-ssl-errors'
=> 'yes' )); // screen shoot of homepage $casper ->start('http://tiki.org') ->setViewPort(1024,800)
->waitForText('About Tiki') ->wait(200) ->capture( array( 'top' => 0, 'left' => 0, 'width' => 1024,
'height' => 800 ), 'custom-capture.png' ) ->run(); echo "The image was captured <br> <br> <img
alt="" border='0' src='custom-capture.png'>";
```

Once you visit the newly created file, it will fetch the info at <http://tiki.org> and generate custom-capture.png

#### 1.1.2. Expose them system-wide (optional)

In case you need to run some custom programs on a server which require casperjs and phantomjs, you may expose those programs to the whole server so that they can get accessed system wide from the usual `/usr/bin` folder where all programs are located on symlinked.

Imagine that your root tiki folder is `/var/www/html/`. Then you can create a symbolic link for each of the programs:

---

```
ln -s /var/www/html/bin/casperjs /usr/bin/casperjs ln -s /var/www/html/bin/phantomjs
/usr/bin/phantomjs
```

This way you will be able to call casperjs or phantomjs from anywhere in the server, if you need it for your other custom scripts doing scraping for you sever-side.

### Troubleshooting

If you get the following error, just stop the script and try again later

---

```
> Tiki\Composer\BootstrapCompiler::build > Tiki\Composer\CleanVendors::clean >
PhantomInstaller\Installer::installPhantomJS - Installing phantomjs (1.9.8) Downloading: Connecting...
Could not fetch https://bitbucket.org/ariya/phantomjs/downloads/phantomjs-1.9.8-linux-x86_64.tar.bz2,
please create a bitbucket OAuth token to go over the API rate limit Follow the instructions on
https://confluence.atlassian.com/bitbucket/oauth-on-bitbucket-cloud-238027431.html to create a
consumer. It will be stored in "/root/.composer/auth.json" for future use by Composer. Ensure you enter
a "Callback URL" or it will not be possible to create an Access Token (this callback url will not be used
by composer) Consumer Key (hidden):
```

---

**To test, and check version**

---

```
[root@ ~]# phantomjs -v 1.9.8
```

#### Related links

- [PhantomJS](#)
- [Browser Automation](#)

#### Open Hub

#### alias

- 
- [PhantomJS](#) | [CasperJS](#)