

Behat

Quick Setup Guide for Web Testing

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<https://github.com/aramos-cit/behat>

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Installation

1. Create folder `c:\behat`
2. Install the **Java JRE** <https://www.java.com/en/download/>
3. Install **WAMP** <http://www.wampserver.com/en/download/>
 - a. Edit file `C:\wamp\bin\php\phpx.x.xx\php.ini` and comment out the line `extension=php_openssl.dll`
4. Install **GIT** <http://git-scm.com/downloads>
5. Add the path to the executables to the System's Path (Right click on "My Computer" > Properties > Advanced > Environment Variables):
 - a. Add paths to PHP, Git, Java, Behat (`c:\behat\bin`)
6. Download Selenium Server from <http://docs.seleniumhq.org/download/> and place the jar inside the folder `c:\behat`
7. Install **Composer** <https://getcomposer.org/download/>
 - a. Create a `composer.json` file inside `c:\behat` with the contents from the following pages
 - b. From a command prompt, run:

```
cd c:\behat
composer install
```
8. Initialize Behat
 - a. From a command prompt, run:

```
cd c:\behat
behat --init
```
9. Create a `behat.yml` file under `c:\behat\` with the contents from the following pages.
10. Replace the file `c:\behat\features\bootstrap\FeaturesContext.php` with the contents from the following pages.

Getting Started

1. From a command prompt, run

```
cd c:\behat
java -jar selenium-server-standalone-X.XX.X.jar
```

Note: check the correct filename of your jar file.

2. Write your features placing them under `c:\behat\features`

See an example in the following pages.

Behat by default makes a lot of commands available to work with web sites testing. To see those pre-defined commands, execute:

```
behat -di
```

If you need additional commands, you can create them in the file `c:\behat\features\bootstrap\FeaturesContext.php`

Contents for c:\behat\behat.yml

```
# behat.yml
default:
  extensions:
    Behat\MinkExtension\Extension:
      goutte: ~
      selenium2: ~
```

Contents for c:\behat\features\bootstrap\FeaturesContext.php

```
<?php

use Behat\Behat\Context\ClosedContextInterface,
    Behat\Behat\Context\TranslatedContextInterface,
    Behat\Behat\Context\BehatContext,
    Behat\Behat\Exception\PendingException;
use Behat\Gherkin\Node\PyStringNode,
    Behat\Gherkin\Node\TableNode;
use Behat\MinkExtension\Context\MinkContext;

/**
 * Features context.
 */
class FeatureContext extends MinkContext
{
    public function __construct(array $parameters)
    {
        // Initialize your context here
    }
}
```

Contents for c:\behat\composer.json

```
{
  "require": {
    "behat/behat": "2.4.*@stable",
    "behat/mink": "1.4.*@stable",
    "behat/mink-extension": "*",
    "behat/mink-goutte-driver": "*",
    "behat/mink-selenium2-driver": "*"
  },
  "minimum-stability": "dev",
  "config": {
    "bin-dir": "bin/"
  }
}
```

Feature file sample

Note: the features must be saved as <name>.feature under c:\behat\features\

```
Feature: Search on Yahoo
  In order to find a web sote
  As a user
  I want to use the Yahoo search
@javascript
Scenario: Search for CI&T on Yahoo.com
  Given I am on "https://br.search.yahoo.com"
  When I fill in "yschsp" with "CI&T"
  And I press "Buscar"
  Then I should not see "foram encontrados resultados"
```