
Beanspeak Documentation

Release 1.0.0-beta1

Phalcon Framework Team and contributors

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Beanspeak is the best way to interact with [beanstalkd workqueue](#) in PHP. Beanspeak is designed as a C-extension for PHP and aims to be the most complete, stable and fastest solution for PHP world. It's simple, lightweight, and completely specialized for job queueing.

The [beanstalkd](#) up to the latest version 1.10 is supported. All commands and responses specified in the [protocol documentation](#) for [beanstalkd 1.10](#) are implemented.

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1.1 Installation

PHP extensions require a slightly different installation method to a traditional PHP-based library or framework. You can either download a binary package for the system of your choice or build it from the sources.

1.1.1 Linux/Solaris

On a Linux/Solaris system you can easily compile and install the extension from the source code:

Requirements

Prerequisite packages are:

- PHP \geq 5.4 development resources
- GCC compiler (Linux/Solaris)
- Git (if not already installed in your system - unless you download the package from GitHub and upload it on your server via FTP/SFTP)
- *Zephir* \geq 0.9.4a-dev

Specific packages for common platforms:

```
# Ubuntu
sudo apt-get install php5-dev gcc make autoconf

# Suse
sudo yast -i php5-devel gcc make autoconf

# CentOS/RedHat/Fedora
sudo yum install php-devel gcc make autoconf

# Solaris
pkg install php-56 gcc-48 make autoconf
```

Of course, you need to install PHP development headers and tools appropriate for your current PHP version.

Compilation

Creating the extension:

```
git clone --depth=1 https://github.com/phalcongelist/beanspeak.git
cd beanspeak
zephir build
# Or, for PHP 7 use
zephir build --backend=ZendEngine3
```

Important: After that, the compiled extension will be placed in the appropriate directory. If the automatic installer failed to do this try moving extension manually.

```
# Use right path to the PHP extensions dir here
sudo cp ext/modules/beanspeak.so $(php-config --extension-dir)
```

Add extension to your PHP configuration:

```
# Suse: Add a file called beanspeak.ini in /etc/php5/conf.d/ with this content:
extension=beanspeak.so

# CentOS/RedHat/Fedora: Add a file called beanspeak.ini in /etc/php.d/ with this content:
extension=beanspeak.so

# Ubuntu/Debian with apache2: Add a file called 50-beanspeak.ini in /etc/php5/apache2/conf.d/ with this content:
extension=beanspeak.so

# Ubuntu/Debian with php5-fpm: Add a file called 50-beanspeak.ini in /etc/php5/fpm/conf.d/ with this content:
extension=beanspeak.so

# Ubuntu/Debian with php5-cli: Add a file called 50-beanspeak.ini in /etc/php5/cli/conf.d/ with this content:
extension=beanspeak.so
```

Restart the webserver.

1.2 Contributing to Beanspeak

Beanspeak is an open source project and a volunteer effort. Beanspeak welcomes contribution from everyone.

1.2.1 Contributions

Contributions to Beanspeak should be made in the form of GitHub pull requests. Each pull request will be reviewed by a core contributor (someone with permission to land patches) and either landed in the main tree or given feedback for changes that would be required before it can be merged. All contributions should follow this format, even those from core contributors.

1.2.2 Bug Report Checklist

- Make sure you are using the latest released version of Beanspeak before submitting a bug report. Bugs in versions older than the latest released one will not be addressed by the core team.
- If you have found a bug it is important to add relevant reproducibility information to your issue to allow us to reproduce the bug and fix it quicker. Add a script, small program or repository providing the necessary code to make everyone reproduce the issue reported easily. If a bug cannot be reproduced by the development it would be difficult provide corrections and solutions.

- Be sure that information such as OS, Beanspeak version and PHP version are part of the bug report. You can get Beanspeak version by using `php --ri beanspeak` command.
- If you're submitting a Segmentation Fault error, we would require a backtrace, please see [Generating a Backtrace](#).

1.2.3 Pull Request Checklist

- Don't submit your pull requests to the *master* branch. Branch from the required branch and, if needed, rebase to the proper branch before submitting your pull request. If it doesn't merge cleanly with master you may be asked to rebase your changes.
- Don't put submodule updates in your pull request unless they are to landed commits.
- Add tests relevant to the fixed bug or new feature.
- Beanspeak is written in [Zephir](#), please do not submit commits that modify C generated files directly or those whose functionality/fixes are implemented in the C programming language.
- Remove any change to `ext/kernel`, `*.zep.c`, `*.zep.h` files before submitting the pull request.

1.2.4 Getting Support

Feel free to ask any question at [Beanspeak issues](#) page.

1.2.5 Related Guides

Generating a backtrace

Sometimes due to segmentation faults, Beanspeak could crash some of your web server processes. Please help us to find out the problem by adding a crash backtrace to your bug report.

Please follow this guide to understand how to generate the backtrace.

- <https://bugs.php.net/bugs-generating-backtrace.php>
- <http://bugs.php.net/bugs-generating-backtrace-win32.php>

Thanks