Daedalus Documentation

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Contents

Daedalus is a PHP Build Tool that aims to be easy to setup and configure builds for your projects.

CHAPTER 1

Installation

Daedalus can easily be installed using Composer.

With Composer

```
php composer.phar require "daedalus/daedalus ~1.0@dev"
```

Global Install with Composer

```
php composer.phar global require "daedalus/daedalus ~1.0@dev"
```

Note: You need to make sure that the global composer bin directory is in your PATH

Without Composer

It's not recommended that you work with Daedalus without the use of Composer since the project takes advantage of Composer autoloading functionality. If however you want to install Daedalus into a project without Composer you will need to make sure you have the required dependencies which you can find in the `composer.json` file and you will need to make sure you have an autoloader setup. All of which is beyond the scope of this project.

CHAPTER 2

Buildfile Format

Daedalus uses the concept of a Task and a Task runs multiple commands. See the Commands section for an overview of the commands that you can use.

Basic Example

```
# build.yml
daedalus:
    tasks:
        <taskname>:
            description: <description>
            commands:
                <command name>:
                    command: <command name>
                    arguments:
                        <argument>: <argument value>
                    options:
                        <option>: <option value>
```

Note: Arguments are based on the command that you choose to run. For a list of arguments for the command, please refer to the Commands section.

The `<taskname>` can be replaced with any unique name that you choose. This will also be the task that you run from the command line ie `bin/daedalus <taskname>`.

The `<description>` is optional, but if you add one, it will be displayed when the tasks are listed.

You can have as many commands as you want and they will be ran in the order in which they are added.

Complete Basic Example

```yaml
# build.yml
daedalus:
    tasks:
        chmod:
            description: Run chmod on a file
            commands:
                chmod:
                    command: chmod
                    arguments:
                        mode: 0755
                        file: /path/to/file
```

Advanced Example

You can configure various settings of Daedalus to make the behaviour different. Please refer to the Configuration section for a complete listing of these settings.

Complete Advanced Example

CHAPTER 3

Properties File Format

You use properties files in case you want to have a different build based on where you are running the tool at. For example, you want want to have a few different parameters when running a build on Travis CI than you would your local development machine.

Default Properties

Property	Value
user.home	$HOME

Usage

In your build file, put the property between a percentage sign. For example `%user.home%`.

Comments

Any line that starts with # is considered a comment.

Environment Variables

TODO

Example Properties File

```
# All properties files must have the extension .properties or they
# will not load.
# Empty lines and lines starting with "#" are not processed

property_name=property

# You can also use other properties
build_dir=%user.home%/build
```

CHAPTER 4

Usage

Once installed and your build file setup, you can simply run daedalus to get a list of tasks you can run.

```
vendor/bin/daedalus
```

Getting Help

If you ever need help for any of the commands, you can run the help command which will return the help document on how to use that command. For example

```
vendor/bin/daedalus help chmod
```

You can also get an idea of the properties you have access to and some other information by running the `dump-container` task.

```
$ vendor/bin/daedalus dump-container
+----------------+---------------------------------------------------+
| Parameter Name | Parameter Value                                   |
+----------------+---------------------------------------------------+
| env.editor     | vim                                               |
| env.home       | /Users/joshuaestes                                |
| env.lang       | en_US.UTF-8                                       |
| env.pwd        | /Users/joshuaestes/Projects/joshuaestes/Daedalus  |
| env.shell      | /bin/bash                                         |
| env.tmpdir     | /var/folders/w_/vb3pk8dj5tq47b37n6nmzxbh0000gn/T/ |
| env.user       | joshuaestes                                       |
| php.version    | 5.4.33                                            |
+----------------+---------------------------------------------------+


+-------------------+--------------------------------------------------------+
| Service ID        | Class                                                  |
+-------------------+--------------------------------------------------------+
| application       | Daedalus\Application                                   |
| command.chgrp     | Daedalus\Command\ChgrpCommand                          |
| command.chmod     | Daedalus\Command\ChmodCommand                          |
| command.chown     | Daedalus\Command\ChownCommand                          |
| command.copy      | Daedalus\Command\CopyCommand                           |
| command.dump_file | Daedalus\Command\DumpFileCommand                       |
| command.exec      | Daedalus\Command\ExecCommand                           |
| command.help      | Daedalus\Command\HelpCommand                           |
| command.mirror    | Daedalus\Command\MirrorCommand                         |
| command.mkdir     | Daedalus\Command\MkdirCommand                          |
| command.phar      | Daedalus\Command\PharCommand                           |
| command.phplint   | Daedalus\Command\PhpLintCommand                        |
| command.remove    | Daedalus\Command\RemoveCommand                         |
| command.rename    | Daedalus\Command\RenameCommand                         |
| command.symlink   | Daedalus\Command\SymlinkCommand                        |
| command.touch     | Daedalus\Command\TouchCommand                          |
| event_dispatcher  | Symfony\Component\EventDispatcher\EventDispatcher      |
| filesystem        | Symfony\Component\Filesystem\Filesystem                |
| finder            | Symfony\Component\Finder\Finder                        |
| kernel            | Daedalus\Kernel                                        |
| process_builder   | Symfony\Component\Process\ProcessBuilder               |
| service_container | Symfony\Component\DependencyInjection\ContainerBuilder |
| task.build        | Symfony\Component\Console\Command\Command              |
| task.checkstyle   | Symfony\Component\Console\Command\Command              |
| task.lint         | Symfony\Component\Console\Command\Command              |
| task.phpunit      | Symfony\Component\Console\Command\Command              |
+-------------------+--------------------------------------------------------+
```

As you can see there is a section of properties and a section of services. The services are helpful if you ever want to develop or hack Daedalus.

CHAPTER 5

Tasks

Tasks are just a simple list of various commands that are ran.

Defining Tasks

```
<taskname>:
    description: <description>
    commands:
        <command name>:
            command: <command name>
            arguments:
                <argument name>: <argument value>
```

CHAPTER 6

Commands

Commands are ran inside of a task.

chgrp

chmod

Allows you to chmod a file or directory.

Arguments

file

This is either the full path to a file or a directory.

mode

Mode which you want to set.

> **Warning:** This MUST be in octal format, 755 and 0755 will yeild different results.

Example Usage

```
daedalus:
    tasks:
        chmod:
            commands:
                chmod_da_file:
                    command: chmod
                    arguments:
                        file: %user.home%/.daedalus/
                        mode: 0744
```

chown

copy

Copy file from one location to another

Arguments

src

Source location of file

dest

Destination of where to put file

Options

overwrite

If the file already exists, replace it.

Examples

```
daedalus:
    task:
        copy_file:
            commands:
                first_command:
                    command: copy
                    arguments:
                        src: /path/to/file.ext
                        dest: /path/to/copied/file.ext
                    options:
                        overwrite: true
```

exec

mirror

mkdir

phar

phpcs

phplint

Runs lint checking on PHP Files.

Arguments

source

This can be a list of files or directories.

Examples

Basic example that shows how to use the basic functionality.

```
daedalus:
    tasks:
        lint_ya_files:
            commands:
                linting_example:
                    command: phplint
                    arguments:
                        source: 'src/'
```

In this example it shows that you can use an array of sources.

```
daedalus:
    tasks:
        lint_ya_files:
            commands:
                linting_example:
                    command: phplint
                    arguments:
                        source: ['src/', 'lib/']
```

phpunit

remove

rename

symlink

touch

HOWTO Create a New Command

CHAPTER 7

Configuration

Various configuration settings that are used by the tool itself.

CHAPTER 8

Style Guide

This guide SHOULD provide a guide on how to display output for commands that run for a build and what type of return codes SHOULD be returned for success or failure.

Output

Colors

Return Codes

Return Code	Status
`0`	Successful
`-1`	Failure

CHAPTER 9

Changelog

1.0.0

- First stable release

CHAPTER 10

License

CHAPTER 11

Helpful Linkage

- Homepage
- Issues
- Travis CI
- Sensio Labs Insight