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# wheezy.captcha documentation

*Release latest*

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**Apr 17, 2021**



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# CHAPTER 1

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## Introduction

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*wheezy.captcha* is a [python](#) package written in pure Python code. It is a lightweight captcha library that provides integration with (one of below must be installed):

- [PIL](#) - Python Imaging Library 1.1.7.
- [Pillow](#) - Python Imaging Library (fork).

It is optimized for performance, well tested and documented.

Resources:

- [source code](#), [examples](#) and [issues](#) tracker are available on [github](#)
- [documentation](#)



## 2.1 Getting Started

### 2.1.1 Install

*wheezy.captcha* requires [python](#) version 3.6+. It is operating system independent. You can install it from the [pypi](#) site (you need to specify an extra requirements per the imaging library of your choice):

```
$ pip install wheezy.captcha
$ pip install wheezy.captcha[PIL]
$ pip install wheezy.captcha[Pillow]
```

## 2.2 Examples

Before we proceed let's setup a [virtualenv](#) environment, activate it and install:

```
$ pip install wheezy.captcha
```

## 2.3 User Guide

*wheezy.captcha...*

## 2.4 Modules

### 2.4.1 wheezy.captcha

### 2.4.2 wheezy.captcha.bezier

`wheezy.captcha.bezier.make_bezier(n)`

Bezier curves: [http://en.wikipedia.org/wiki/B%C3%A9zier\\_curve#Generalization](http://en.wikipedia.org/wiki/B%C3%A9zier_curve#Generalization)

`wheezy.captcha.bezier.pascal_row(n)`

Returns n-th row of Pascal's triangle

### 2.4.3 wheezy.captcha.http

### 2.4.4 wheezy.captcha.image

`wheezy.captcha.image.background(color='#EEEECC')`

`wheezy.captcha.image.captcha(drawings, width=200, height=75)`

`wheezy.captcha.image.curve(color='#5C87B2', width=4, number=6)`

`wheezy.captcha.image.noise(number=50, color='#EEEECC', level=2)`

`wheezy.captcha.image.offset(dx_factor=0.1, dy_factor=0.2)`

`wheezy.captcha.image.rotate(angle=25)`

`wheezy.captcha.image.smooth()`

`wheezy.captcha.image.text(fonts, font_sizes=None, drawings=None, color='#5C87B2',  
squeeze_factor=0.8)`

`wheezy.captcha.image.warp(dx_factor=0.27, dy_factor=0.21)`

### 2.4.5 wheezy.captcha.mixin



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