



# Automatizando Documentacion

con MKDocs & MKDocstrings

# Andres Pineda

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- Contribuidor Open Source
- Python Latam / RealPython



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# Agenda



Documentación efectiva

Docstrings

MKDocs & MKDocstring

Demo

Alojando tu documentación



“Al programar, el código se lee mas que lo que se escribe”

— Guido Van Rossum



## Que es Documentar?



Describir el uso y la funcionalidad a los usuarios finales.



Documentar no es lo mismo que Comentar!



“El código te dice el como; los comentarios te dicen el por que.”

— Jeff Atwood

# Tipos de documentación

## Técnica

- 👉 Tutoriales
- 👉 Como o How-tos
- 👉 Referencia
- 👉 Explicación



# Diátaxis

Framework para la creación de documentación técnica





# Docstrings



- Doctring es un “string literal” que sirve para documentar el código python de donde se define.

“Esto es un docstring de una sola linea”

# Docstrings

"""En Python podemos usar Docstring para documentar

👉 Funciones

👉 Clases / Metodos

👉 Modulos

👉 Paquetes

"""""

# Docstrings

En Python podemos usar Docstring para documentar:

- 👉 Funciones
- 👉 Clases / Metodos
- 👉 Modulos
- 👉 Paquetes

PEP-257 Docstrings Multi Linea: Functions

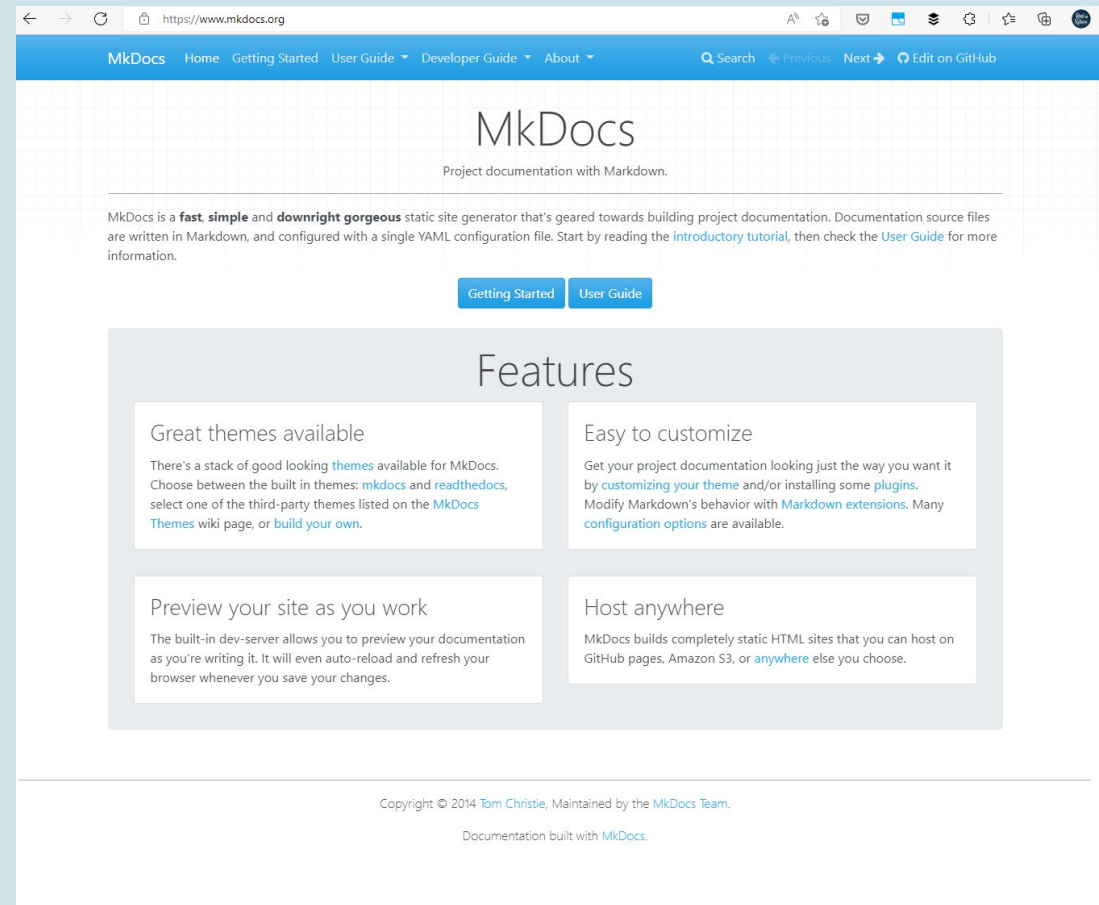
# Docstrings

## Google-Style

```
1  """Titulo
2
3  Descripcion
4
5  Argumentos:
6      param_1: Primer parametro
7      param_2: Segundo parametro
8
9  Retorno:
10     Valor retornado
11
12  Raises:
13     Error retornado if any
14  """
```

# MkDocs & MKDocstrings

<https://www.mkdocs.org/>



The screenshot shows the MkDocs website homepage. The browser address bar displays <https://www.mkdocs.org>. The navigation bar includes links for MkDocs, Home, Getting Started, User Guide, Developer Guide, and About, along with a search icon and buttons for Previous, Next, and Edit on GitHub. The main heading is "MkDocs" with the subtitle "Project documentation with Markdown." Below this, a paragraph describes MkDocs as a fast, simple, and downright gorgeous static site generator. Two buttons, "Getting Started" and "User Guide", are provided. The "Features" section is divided into four boxes: "Great themes available" (mentioning a stack of themes and links to mldocs, readthedocs, and a Themes wiki page), "Easy to customize" (describing how to customize themes, install plugins, and use Markdown extensions), "Preview your site as you work" (describing the built-in dev-server), and "Host anywhere" (listing GitHub pages, Amazon S3, and anywhere else). The footer contains copyright information for 2014 Tom Christie and a note that the documentation was built with MkDocs.

← → ↻ 🏠 <https://www.mkdocs.org> 🔍 🏠 📄 📄 📄 📄 📄 📄 📄

MkDocs Home Getting Started User Guide Developer Guide About 🔍 Search ⬅️ Previous Next ➡️ 📄 Edit on GitHub

## MkDocs

Project documentation with Markdown.

MkDocs is a **fast, simple** and **downright gorgeous** static site generator that's geared towards building project documentation. Documentation source files are written in Markdown, and configured with a single YAML configuration file. Start by reading the [introductory tutorial](#), then check the [User Guide](#) for more information.

[Getting Started](#) [User Guide](#)

### Features

#### Great themes available

There's a stack of good looking [themes](#) available for MkDocs. Choose between the built in themes: [mkdocs](#) and [readthedocs](#), select one of the third-party themes listed on the [MkDocs Themes](#) wiki page, or [build your own](#).

#### Easy to customize

Get your project documentation looking just the way you want it by [customizing your theme](#) and/or installing some [plugins](#). Modify Markdown's behavior with [Markdown extensions](#). Many [configuration options](#) are available.

#### Preview your site as you work

The built-in dev-server allows you to preview your documentation as you're writing it. It will even auto-reload and refresh your browser whenever you save your changes.

#### Host anywhere

MkDocs builds completely static HTML sites that you can host on GitHub pages, Amazon S3, or [anywhere](#) else you choose.

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Documentation built with [MkDocs](#).



DEMO



# Gracias!!!

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