

# DOCUMENTATION TOOLS

There are different documentation tools

1. Bit.ai- This is a software documentation tool that allows teams to collaborate, share, track, and manage all company knowledge in one place. Bit documents are very interactive meaning that developers can easily add code blocks to a document. Bit supports Markdown which allows developers to quickly create and format text without any distractions.
2. ProProfs Knowledgebase- This tool helps organizations create an online employee handbook to familiarize new hires with the firm's work dynamics, policies, vision, mission, and, most importantly, the role that remote employees are going to play in the organization. Tasks are divided evenly and the new employee can understand how everything works in the organization.
3. Github-Is a software documentation tool for developers. The Github pages feature converts Github repositories into a visually appealing website to showcase a portfolio. GitHub pages provide the user with one free webpage, GitHub hosting, and the ability to route a custom domain. Use Jekyll (a tool that converts plain text files into websites) and easily create an elegant web page.
4. Markdown- This is a software documentation tool that helps in writing articles and READMEs. With instant HTML previews, users can quickly see what their documents look like in HTML as they create them.
5. Read the Docs-Read the Docs is a free platform for software documentation, used by millions of developers worldwide. Read the Docs simplifies software documentation by automating the building, versioning, and hosting of your docs for you. Read the Docs hosts your software documentation for free and currently supports over **90,000 projects**.

Apart from hosting your software documentation, you can even convert and view your documentation as PDFs, a single page HTML, and eReaders.

without the hassle of any additional configuration. Developers can even host multiple versions of their docs easily on the platform.

## **MKDOCS**

MkDocs is a static site generator designed for building documentation websites. It can also be defined as a documentation generator that focuses on speed and simplicity. MkDocs is an open-source project with a lot of community support. A variety of themes are available. In terms of Markdown support, MkDocs does an excellent job supporting the basic syntax elements.

It has many great features including:

- Preview your documentation as you write it
- Easy customization with themes and extensions
- Writing documentation with Markdown

The application uses the Python-Markdown Markdown processor. You can enable additional extensions.

## **How to install MkDocs**

MkDocs requires a recent version of Python and a Python package manager to be installed in your system.

If you don't have Python installed on your laptop, you need to install it as MkDocs will not work without it. If you have it installed you don't need to follow the Python installation process.

### **Installing Python**

1. If the Python package manager (pip) is installed you can just upgrade it to the latest version.

```
pip install --upgrade pip
```

2. Install Python package manager:

```
python get-pip.py
```

3. Once installed, you need to install the mkdocs package using pip:

```
pip install mkdocs
```

4. You now have MkDocs installed. Run `mkdocs --version` to confirm if everything is working well and effectively.

#### NOTE:

If you are using windows, some commands might not work. Instead of using

```
pip install mkdocs
```

 use:

```
python -m pip install mkdocs
```

```
python -m mkdocs
```

## How to install MkDocs material theme

MkDocs material is a theme for MkDocs, a static site generator geared towards technical documentation.

MkDocs can be installed in different ways:

### 1. With pip

```
pip install mkdocs-material
```

## 2. With Docker

```
docker pull squidfunk/mkdocs-material
```

## 3. With git

```
git clone https://github.com/squidfunk/mkdocs-material.git
```

## How to create a MkDocs project.

1. To install MkDocs, you need to run the following command on your command line:

```
pip install mkdocs
```

2. Once it is installed, you can now create your new project.

```
mkdocs new my-first-project
```

3. Once you have created your project, you can navigate to the project you have created.

```
cd my-first-project
```

4. Once in the project, you can view the file inside your project by writing `ls`. You will be able to view a folder named `docs` and a file named `mkdocs.yml`.
5. Run `mkdocs serve`. Open up <http://127.0.0.1:8000/> in your browser, and you will see the default home page is displayed.
6. You will be able to view your project in any text editor of your choice.
7. You have successfully installed MkDocs and created your first project.

