

# Trust over IP - Documentation and Specification Template

This template repository provides a ready-to-use setup for a ToIP branded theme for MkDocs, a static site generator geared towards (technical) project documentation and specification development. The theme is a customized version of Material for MkDocs.

## Setup

1. Generate a new repository from this template repository (see GitHub docs)
2. Clone the new repository (see GitHub docs)
3. Open the repository in an editor (i.e. Visual Studio Code):
  1. If you want to create *general documentation*, you can just delete the `mkdocs.spec.yml` file, which is located at the root of the project.
  2. If you want to create a *specification*, delete the `mkdocs.yml` file, and rename `mkdocs.spec.yml` to `mkdocs.yml`
4. Ensure that you have `python`, `make` and `pandoc` installed, the latter of which is necessary to create a combined Markdown file. If you don't need to do that, you don't need to install `pandoc`.
5. Bootstrap the local environment, which will automatically install and setup `virtualenv`, a tool to create isolated Python environments:

```
make setup
```

After the command finished, your terminal should now show `(venv)` before the prompt, to indicate you're inside a virtual environment. If you want to leave the environment, just close the terminal, or enter:

```
deactivate
```

## Usage

### Preview server

Ensure that you're inside the virtual environment, i.e. repeat step 5 from the setup if you're unsure. Now, in order to preview your documentation project, enter:

```
make serve
```

This will start MkDocs and spin up a development server at `http://localhost:8000`. After making yourself familiar with MkDocs, create a Markdown file in the `docs` folder, and add it to the `nav` section in `mkdocs.yml`. The development server will reload every time you save your document, or make a change in `mkdocs.yml`.

## Combined Markdown file

If you want to create a combined Markdown file, this repository contains some scripts which will preprocess and concatenate all Markdown files in the order specified in `mkdocs.yml`. The scripts will ensure that internal links to pages and anchors are correct. The combined file can be created with:

```
make combine
```

The resulting Markdown file will be located at `dist/index.md`, alongside with the contents of the `assets` folder. The reason for that is that you probably want to include all assets (i.e. images) when distributing your documentation.

## Deployment

This repository contains a GitHub Action workflow that will automatically deploy your project documentation when you commit your changes to:

```
https://<username>.github.io/<repository>
```

When you're forking this repository, you may need to activate GitHub Actions for your fork, as GitHub disables them by default. This is as easy as clicking on **Actions** in the top bar of your repository and clicking the button that is shown. If no button is shown, you're good to go.