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# Therapist Documentation

*Release 1.5.0*

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Therapist is a tool to help create robust, easily-configurable [pre-commit hooks](#) for [Git](#). This allows you to find and fix common issues before you actually commit code to your repo.

## 1.1 Requirements

- [Python 2.7](#) or newer
- [Git](#)

## 1.2 Installing Therapist

Installing Therapist is easily done using [pip](#). Assuming it is installed just run the following from the command line:

```
$ pip install therapist
```

This command will download the latest version of Therapist from the [Python Package Index](#) and install it to your system. More information about [pip](#) and [pypi](#) can be found [here](#):

- [install pip](#)
- [pypi](#)

Alternatively you can install from the distribution using the *setup.py* script:

```
$ python setup.py install
```

You could also install the [development version](#) by running the following:

```
$ pip install therapist==dev
```

Or simply install from a clone of the [git repo](#):

```
$ git clone https://github.com/rehandalal/therapist.git
$ mkvirtualenv therapist
$ pip install -r requirements.txt
$ pip install --editable .
```

### 1.3 Quickstart

The first thing you should do is to install the git pre-commit hook. You can do this by running:

```
$ therapist install
```

Now all you need to do is create a configuration as outlined in the [Configuration](#) section.

### 1.4 Uninstallation

If you decide you no longer want to use the Therapist pre-commit hook, simply run:

```
$ therapist uninstall
```

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**Note:** This will remove any pre-commit hook that is installed. It does not check to verify that it is the Therapist pre-commit hook.

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### 2.1 The configuration file

Once you have the Therapist pre-commit hook installed you will need to configure the actions that will be run before each commit. This is done with a `.therapist.yml` configuration file.

Add a file called `.therapist.yml` to the root directory of your project. The configuration file describes a set of actions like so:

```
actions:
  flake8:
    run: flake8 {files}
    include: "*.py"
    exclude:
      - "docs/*.py"
      - "migrations/*.py"
  eslint:
    description: ESLint
    run: yarn eslint {files}
    fix: yarn eslint --fix {files}
    include:
      - "*.js"
      - "*.jsx"
shortcuts:
  lint-all:
    flags:
      - use-tracked-files
      - include-untracked
  flake8-all:
    extends: lint-all
    options:
      action: flake8
```

## 2.2 Action definitions

There are several optional parameters that you can specify for an action. They are:

- run** This is the actual command to be run. You may use the named placeholder `{files}` which be replaced with a space-separated list of files that were modified and added to the commit.
- fix** This is the command to be run when the `--fix` option is used. You may use the named placeholder `{files}` which be replaced with a space-separated list of files that were modified and added to the commit.
- description** A short description of the command that is used to identify the command in the output. If it is longer than 68 characters, it will be truncated. If no description is provided it will default to the name of the command.
- include** This can be a single string or list strings of UNIX filename patterns. Files that match *any* of the patterns will be passed through to the command through `{files}` unless they match a pattern in the `exclude` parameter.
- exclude** This can be a single string or a list of strings of UNIX filename patterns. Files that match *any* of the patterns will never be passed through to the command through `{files}`.

## 2.3 Shortcut definitions

There are several optional parameters that you can specify for a shortcut. They are:

- extends** This is the name of another shortcut to extend.
- options** An associative array of options and their values to be passed to the `run` command.
- flags** A string or list of flags to be passed to the `run` command.

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### Command-Line Interface

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Therapist comes with a basic command line tool `therapist` which can be used to install or uninstall the hook as well as run actions as a batch or individually.

#### 3.1 Commands

For a list of commands simply run:

```
$ therapist --help
```

To get more information on a specific command run:

```
$ therapist <command-name> --help
```



## CHAPTER 4

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### Indices and tables

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- `genindex`
- `modindex`
- `search`