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# **Weather Documentation**

***Release 1.0***

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Weather is a command line wrapper for the weather underground API that returns the information formatted for the terminal. The forecast are formatted in a table.



# CHAPTER 1

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## Features

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Features include:

- Units in metric and imperial
- Forecast output in a table.





### 2.1 Installation

It is recommended that you install Weather in a virtual environment to prevent conflicts with other python packages. First create the virtual environment, activate it, and follow the install directions below.

To install Weather begin by cloning the repo and changing to the directory.

```
git clone https://github.com/paris3200/weather.git
cd wunderapi
```

Install the requirements using Pip.

```
pip install -r requirements.txt
```

Finally install WunderAPI.

```
python setup.py install
```

### 2.2 Configuration

The configuration file should be created in ‘~/config/weather/config’. The file will be automatically generated on the first run of the program if it doesn’t exist. It should take the following format.

```
[default]
api_key = api_key
date_format = shortday
units = english
location = 27043
```

If you don’t want to set the api\_key in the configuration file you can set it as the environment variable ‘WEATHER\_API\_KEY’. This is useful if you keep your configs in a public git repository.

The `api_key` can be obtained from <https://www.wunderground.com/weather/api>.

## 2.3 Basic Usage

Weather can be ran using the *weather* command. The help function shows which options are available.

```
weather --help
```

```
Usage: weather [OPTIONS]
```

```
    Command line interface for the weather underground API.
```

```
Options:
```

```
-c, --conditions    Returns the current conditions.
-f, --forecast      Returns the forecast.
-e, --extended      Returns the 10 day extended forecast.
-t, --temp          Returns the temperature.
-l, --location TEXT  Zipcode of location
-u, --units TEXT     Format for units. {english, metric}
--date TEXT         Format for date. {date, day, shortday}
--config_file TEXT  Path to config file.
--help              Show this message and exit.
```

```
weather --forecast
```

Date	Condition	Rain Chance	Temp Hi/Lo	Wind	Humidity
Thu	Clear	10%	50°F / 30°F	2 MPH	73%
Fri	Clear	10%	55°F / 42°F	6 MPH	53%
Sat	Rain	90%	53°F / 49°F	2 MPH	83%
Sun	Rain	90%	64°F / 50°F	9 MPH	92%

## 2.4 Developer Documentation

Weather tests are located under ‘tests/’. After installing nose, test can be run using the nosetest runner from the project directory.

```
nosetests
```

- `genindex`
- `modindex`