
maps

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Dec 20, 2021

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A simple command line tool to access services of various map services providers.

PREREQUISITES

Before you install the `maps-cli` package make sure you meet the following prerequisites:

- A Python installation, 3.6+ recommended, with the `pip` command available to install dependencies.
- Authentication:

Maps CLI provides access to the below maps services provider in order to use their services you will need an API key/ access token for authentication.

- HERE

- * A HERE developer account, freely available under [HERE Developer Portal](#).
- * An [HERE API key](#) from the [HERE Developer Portal](#), in an environment variable named `HERE_APIKEY`.

- MapBox

- * A MapBox developer account, freely available under [MapBox Developer Account](#).
- * An [access token](#) from the [MapBox Developer Account](#) in an environment variable named `MAPBOX_APIKEY`.

- TomTom

- * A TomTom developer account, freely available under [TomTom Developer Portal](#).
- * An [TomTom API key](#) from the [TomTom Developer Portal](#), in an environment variable named `TOMTOM_APIKEY`.

- OSM

- * No API key is required.

INSTALLATION

- Install Maps CLI from PyPI:

```
pip install maps-cli
```

- Install Maps CLI from GitHub:

```
pip install -e git+https://github.com/sackh/maps-cli#egg=maps-cli
```


MAPS PACKAGE

Module for all top level imports.

3.1 Submodules

3.1.1 `maps._version` module

Module for getting version of the project.

3.1.2 `maps.commands` module

Main commands module. This module acts as entry point for all the commands.

3.1.3 `maps.exceptions` module

This module defines exceptions.

exception `maps.exceptions.ApiKeyNotFoundError`(*message*, *ctx=None*)

Bases: `click.exceptions.UsageError`

Exception raised when API KEY for provider is not provided as option and it is not present in respected environment variable.

exception `maps.exceptions.ApiError`

Bases: `Exception`

Exception raised for API HTTP response status codes not in [200...300).

The exception value will be the response object returned by `requests` which provides access to all its attributes, eg. `status_code`, `reason` and `text`, etc.

__str__()

Return a string from the HTTP response causing the exception.

The string simply lists the response's status code, reason and text content, separated with commas.

3.1.4 maps.here module

This module defines all the HERE commands.

3.1.5 maps.mapbox module

This module defines all the MapBox commands.

3.1.6 maps.osm module

This module defines all the OSM commands.

3.1.7 maps.tomtom module

This module defines all the Tom Tom commands.

3.1.8 maps.utils module

Common utilities across project.

`maps.utils.yield_subcommands(obj)`

Show list of all available sub commands.

Parameters `obj` – Click command object.

`maps.utils.get_feature_from_lat_lon(lat: float, lon: float)`

Returns GeoJSON Point Feature for a given latitude and longitude.

Parameters

- **lat** – latitude of Point.
- **lon** – longitude of Point.

Returns An object of `goejson.Feature`

CHANGELOG

4.1 maps-cli 0.0.3 (2021-02-28)

- Add a `--display` option to display results in a browser.
- Add the `discover` command for here provider.
- Fix special characters issue.

4.2 maps-cli 0.0.2 (2021-02-07)

- Added OSM overpass command.
- Added Mapbox isochrone command.
- Added MapBox matrix command.

4.3 maps-cli 0.0.1 (2021-01-08)

- Initial release

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