

Package ‘ROpenWeatherMap’

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Type Package

Title R Interface to OpenWeatherMap API

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Description OpenWeatherMap (OWM) <<http://openweathermap.org/api>> is a service providing weather related data.
This package can be used to access current weather data for one location or several locations.
It can also be used to forecast weather for 5 days with data for every 3 hours.

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LazyData TRUE

Imports httr,RCurl,jsonlite

RoxygenNote 5.0.1.9000

NeedsCompilation no

Repository CRAN

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get_current_weather *get current weather data for one location*

Description

get current weather data for one location

Usage

```
get_current_weather(api_key, cityID = NA, city = "", country = "",  
  coordinates = NA, zip_code = NA)
```

Arguments

| | |
|-------------|--|
| api_key | Open weather map API key |
| cityID | city ID |
| city | name of city |
| country | name of country |
| coordinates | (lat,lon) coordinates of the location of your interest |
| zip_code | zip code |

Value

data frame giving current weather data for one location

Examples

```
## Not run:  
data=get_current_weather(api_key,city="guwahati")  
  
## End(Not run)
```

get_multiple_cities *get current weather data for multiple cities*

Description

get current weather data for multiple cities

Usage

```
get_multiple_cities(api_key, bbox = NA, coordinates = NA, count = NA,  
  cityIDs = NA, cluster = "yes", units = "metric")
```

Arguments

| | |
|-------------|---|
| api_key | Open weather map API key |
| bbox | bounding box [lat of the top left point, lon of the top left point, lat of the bottom right point, lon of the bottom right point, map zoom] |
| coordinates | (lat,lon) coordinates of the location of your interest |
| count | number of cities around the point that should be returned |
| cityIDs | city IDs |
| cluster | use server clustering of points. Possible values are [yes, no] |
| units | metric units |

Value

data frame giving current weather data for several locations

Examples

```
## Not run:
data=get_multiple_cities(api_key,cityIDs =c(524901,703448,2643743))

## End(Not run)
```

get_weather_forecast *get weather forecast data for one location*

Description

get weather forecast data for one location

Usage

```
get_weather_forecast(api_key, cityID = NA, city = "", country = "",
  coordinates = NA)
```

Arguments

| | |
|-------------|--|
| api_key | Open weather map API key |
| cityID | city ID |
| city | name of city |
| country | name of country |
| coordinates | (lat,lon) coordinates of the location of your interest |

Value

data frame giving weather forecast data for one location

Examples

```
## Not run:  
data=get_weather_forecast(api_key,city="guwahati")  
  
## End(Not run)
```

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