

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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