Package ‘ROpenWeatherMap’

March 16, 2016

Type Package
Title R Interface to OpenWeatherMap API
Version 1.1
Date 2016-03-15
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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
Date/Publication 2016-03-16 10:01:42

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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")
get_weather_forecast

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
- **cityID**: 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

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

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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
get_weather_forecast

Examples

```r
## Not run:
data <- get_weather_forecast(api_key, city = "guwahati")

## End(Not run)
```
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