

# Package: ROpenWeatherMap (via r-universe)

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**Type** Package

**Title** R Interface to OpenWeatherMap API

**Version** 1.1

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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.

**License** MIT + file LICENSE

**LazyData** TRUE

**Imports** httr,RCurl,jsonlite

**RoxygenNote** 5.0.1.9000

**Suggests** testthat

**Repository** <https://mukul13.r-universe.dev>

**RemoteUrl** <https://github.com/mukul13/ropenweathermap>

**RemoteRef** HEAD

**RemoteSha** 60b2bab2651b9b823d9388e84cbdbf38e3c0b019

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get\_current\_weather    *get current weather data for one location*

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**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*

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**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)
```

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get\_weather\_forecast    *get weather forecast data for one location*

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**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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