



Weather Union
A ZOMATO GIVEBACK

Weather Union API documentation

Integrate live weather seamlessly

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Version	Date	Description
1.0	08-May-2024	Weather Union APIs

Introduction

With weather APIs, you can easily integrate live weather data into your system and use it for your business applications.

Key highlights

- We're spread across 30 cities, having 600+ weather devices. There are two type of devices,
 - Automated Weather Stations (AWS) - Capturing 5+ weather parameters
 - Rain Gauge Systems - Capturing rain intensity and rain accumulation
- We have two APIs to cater to your live weather needs
 - API for current weather data at a given latitude and longitude
 - API for current weather data in a locality/ city

Please find the list of cities and localities where we're serviceable.

[Weather Union - A Zomato Giveback - City, Locality List](#)

API Reference

Our APIs are REST based and use standard HTTP response codes and verbs.

Base URL
https://www.weatherunion.com/gw/weather/external/v0

Authentication

Your API Key is used to authenticate your requests. You can find your API Key in your profile section on the [Weather Union website](#).

1. [Login](#) to the Weather Union website using your email address
2. Go to your profile section inside the top-right hamburger menu
3. Onboard yourself if you have not already done so.
4. You can find your API Key in the "Your API access key" section as shown below



Sameera Sharma
sameera.sharma@zomato.com

Your API access key

ABCD EFGH IJKL MNOP QRST UVWX



Copy

← Copy your API Key from here

Today's API usage

0 / 1000

Download the API documentation to get started

Download

API for current weather data at a lat, long

This API is for fetching weather data at a given latitude and longitude within 2 km radius of our weather device. Please find the list of serviceable localities and their coordinates [here](#).

Request

Method	Path
GET	/get_weather_data

Header:

Get [your API key](#) from your profile page in the Weather Union website

content-type	application/json
x-zomato-api-key	{"your api key"}

Parameters:

- **latitude** : float (ex: 28.555596)
- **longitude** : float (ex: 77.345713)

Response

Returns a JSON object with the following properties:

- **status** : Status code
- **message** : Status code description
- **device_type** : Type of weather device
 - 1 - AWS (all **locality_weather_data** parameters available)
 - 2 - Rain gauge system (**rain_intensity** and **rain_accumulation** available)
- **locality_weather_data** (If parameter value is not available, null will be returned)
 - **temperature** : Current temperature in °C
 - **humidity** : Current humidity in %

- **wind_speed** : Current wind speed in m/s
- **wind_direction** : Current wind direction in degree
- **rain_intensity** : Current rain intensity in mm/min
- **rain_accumulation** : Total rain accumulation (mm) today from 12 AM IST

Status codes summary

Please find below the status codes and messages which are used in this API

status	message	description
200		Successful response fetched
200	temporarily unavailable	Unable to fetch data at this point in time for this lat lon
200	latitude longitude not supported. refer to the api doc for supported areas	Entered latitude/longitude is not supported
400	coordinates are invalid	Empty or invalid latitude/longitude given in params. Latitude range -90° to 90° Longitude range -180° to 180°
429	daily quota for api key exhausted	Daily api quota for user is already exhausted
500	something-went-wrong	In case of error in fetching data
403	could not authenticate	Given api key is invalid

Example

Request:

```
GET
weatherunion.com/gw/weather/external/v0/get_weather_data?latitude=28.555596
&longitude=77.345713
```

Response:

```
{  
  "status": "200",  
  "message": "",  
  "device_type": 1,  
  "locality_weather_data": {  
    "temperature": 25.68,  
    "humidity": 25.81,  
    "wind_speed": 1.15,  
    "wind_direction": 331.2,  
    "rain_intensity": 0,  
    "rain_accumulation": 0.4  
  }  
}
```

API for current weather data in a locality

This API is for fetching current weather data for a given locality id. Please find the list of localities supported [here](#).

Request

Method	Path
GET	/get_locality_weather_data

Header:

Get [your API key](#) from your profile page in the Weather Union website

content-type	application/json
x-zomato-api-key	{"your api key"}

Parameters:

- **locality_id** : string (ex: ZWL007666)

Response

Returns a JSON object with the following properties:

- **status** : Status code
- **message** : Status code description
- **device_type** : Type of weather device
 - 1 - AWS (all **locality_weather_data** parameters available)
 - 2 - Rain gauge system (**rain_intensity** and **rain_accumulation** available)
- **locality_weather_data** (If parameter value is not available, null will be returned)
 - **temperature** : Current temperature in °C
 - **humidity** : Current humidity in %
 - **wind_speed** : Current wind speed in m/s
 - **wind_direction** : Current wind direction in degree
 - **rain_intensity** : Current rain intensity in mm/min
 - **rain_accumulation** : Total rain accumulation (mm) today from 12 AM IST

Status codes summary

Please find below the status codes and messages which are used in this API

status	message	description
200		Successful response fetched
200	temporarily unavailable	Unable to fetch data at this point in time for this locality
400	check the locality id from the api doc	Invalid locality id entered in params
429	daily quota for api key exhausted	Daily api quota for user is already exhausted
500	something-went-wrong	In case of error in fetching data
403	could not authenticate	Given api key is invalid

Example

Request:

```
GET
weatherunion.com/gw/weather/external/v0/get_locality_weather_data?locality_id=ZWL007666
```

Response:

```
{
  "status": "200",
  "message": "",
  "device_type": 1,
  "locality_weather_data": {
    "temperature": 25.68,
    "humidity": 25.81,
    "wind_speed": 1.15,
    "wind_direction": 331.2,
    "rain_intensity": 0,
    "rain_accumulation": 0.4
  }
}
```

```
}  
}
```