

# InfoPortugal Weather Service API

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# 1 Introduction

This document describes the InfoPortugal Weather Service API.

## 2 Weather

Service for Weather and Forecast

### 2.1 Request

- (GET) /weather.json

### 2.2 Parameters

- lon: <decimal> Longitude
- lat: <decimal> Latitude
- locality: <string> Locality
- lang: <string> Language [pt|en]
- callback: <string> JSONP Callback - Only available if the server supports
- api\_key: <string> API key (**required**)

#### ***Important***

The request must provide the lon, lat or locality or none for the complete list.

## 2.3 Response

### 2.3.1 GeoJSON

[GeoJSON](#) is a format for encoding a variety of geographic data structures. A GeoJSON object may represent a geometry, a feature, or a collection of features. GeoJSON supports the following geometry types: Point, LineString, Polygon, MultiPoint, MultiLineString, MultiPolygon, and GeometryCollection. Features in GeoJSON contain a geometry object and additional properties, and a feature collection represents a list of features.

The service will return a [FeatureCollection](#).

```
{
  "type": "FeatureCollection",
  "features": [{
    "geometry": {
      "type": "Point",
      "coordinates": [-8.629255, 41.15804]
    }, "type": "Feature",
    "properties": {
      "distance": null,
      "forecast": [{
        "wind_speed": 13,
        "code": 356,
        "description": "Moderate or heavy rain shower",
        "wind_direction": "WSW",
        "temperature_high": 16,
        "date": "2010-06-10",
        "temperature_low": 12
      }, {
        "wind_speed": 13,
        "code": 353,
        "description": "Light rain shower",
        "wind_direction": "NW",
        "temperature_high": 18,
        "date": "2010-06-11",
        "temperature_low": 14
      }, {
        "wind_speed": 21,
        "code": 116,
        "description": "Partly Cloudy",
        "wind_direction": "NNW",
        "temperature_high": 22,
        "date": "2010-06-12",
        "temperature_low": 15
      }, {
        "wind_speed": 17,
        "code": 113,
        "description": "Clear/Sunny",
        "wind_direction": "N",
        "temperature_high": 26,
        "date": "2010-06-13",
        "temperature_low": 14
      }
    ]
  }],
}
```

## 2.3 Response

```
    "name": "Porto",
    "condition": {
      "wind_speed": 30,
      "code": 356,
      "description": "Moderate or heavy rain shower",
      "observation_time": "13:16:00",
      "cloudcover": 75,
      "humidity": 83,
      "pressure": 1000,
      "visibility": 10,
      "date": "2010-06-09",
      "precipitation": 3.4,
      "wind_direction": "NW",
      "temperature": 18
    }, "slug": "porto"
  }
}
```