

Open weather map

Provides range of free weather data and forecast in an API suitable for any cartographic services. The data is collected from 40,000 weather stations, and global Metrological broadcast service

Situation

- Offers current, forecasts and historical weather data as an API to the developers of web-services and mobile applications.
- All weather data are processed by mathematical algorithms that result in online weather forecast data flow, weather maps like clouds and precipitations.
- **Developed by:** Extreme Electronics
- **Organisation type:** Start up
- **Contact:**

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UK

OpenWeatherMap - free weather data and forecast API

Every 10 minutes 10,000,000 people connect to our service and use weather data

The OpenWeatherMap service provides free weather data and forecast API suitable for any cartographic services like web and smartphones applications. Ideology is inspired by OpenStreetMap and Wikipedia that make information free and available for everybody. OpenWeatherMap provides wide range of weather data such as map with current weather, week forecast, precipitation, wind, clouds, data from weather Stations and many others. Weather data is received from global Meteorological broadcast services and more than 40 000 weather stations.

London, GB

10.51 °C

light rain

get at 2014-01-15 10:13

Wind: Calm 0.51 m/s
South-southwest (192°)

Cloudiness: overcast clouds

Pressure: 999 hpa

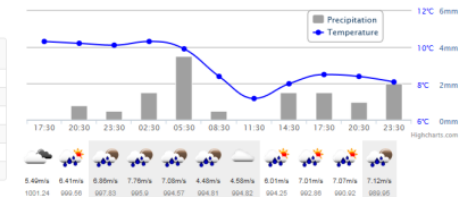
Humidity: 99 %

Rain: 0.25 mm/hour

sunrise: 13:30

sunset: 21:51

Next hours



Weather API

Challenge/Opportunity

- OpenWeatherMap is opening the free and accurate weather data to general public
- Also allows owners of weather stations to get a convenient interface for gathering and monitoring data from their stations

Approach/Solution/Business model

- Free for individual use, and paid for professionals, developers, and enterprise. The company also earns through ad revenues
- **Type:** Company

Open data used

- Global meteorological broadcast services
- Raw data from airports weather stations, raw data from radars, and raw data from official weather stations

Benefits

- The API is improving accessibility to weather data, which is indirectly benefiting the public with numerous weather based applications and smartphone apps