

PREREQUISITES
CREATE AN ACCOUNT
OPEN
WEATHERMAP WEBSITE

Team ID :PNT2022TMID06432

**Project Name Project - SIGNS WITH SMART
CONNECTIVITY FOR BETTER ROAD SAFETY**

The screenshot displays the OpenWeather website's API documentation page. The browser's address bar shows the URL `openweathermap.org/current`. The page features a dark navigation bar with links such as "Guide", "API", "Dashboard", "Marketplace", "Pricing", "Maps", "Our Initiatives", "Partners", "Blog", "For Business", and "Support".

The main content area is titled "Built-in API request by city name" and includes the following text: "You can call by city name or city name, state code and country code. Please note that searching by states available only for the USA locations." Below this, there is a section for "API call" with three example URLs:

- `https://api.openweathermap.org/data/2.5/weather?q={city name}&appid={API key}`
- `https://api.openweathermap.org/data/2.5/weather?q={city name},{country code}&appid={API key}`
- `https://api.openweathermap.org/data/2.5/weather?q={city name},{state code},{country code}&appid={API key}`

Below the URLs, there is a "Parameters" section with a table:

q	required	City name, state code and country code divided by comma. Please, refer to ISO 3166 for the state codes or country codes. You can specify the parameter not only in English. In this case, the API response should be returned in the same language as the language of requested location name if the location is in our predefined list of more than 200,000 locations.

On the right side of the page, there is a sidebar with a list of links: "Call current weather data", "How to make an API call", "Bulk downloading", "Weather fields in API response", "JSON", "XML", "List of condition codes", "Min/max temperature in current weather", "API and forecast API", "Other features", "Geocoding API", "Built-in geocoding", "Built-in API request by city name", "Built-in API request by city ID", "Built-in API request by ZIP code", "Format", "Units of measurement", "Multilingual support", and "Call back function for JavaScript code".

The Windows taskbar at the bottom shows the system clock as 09:40 on 30-10-2022, with a weather forecast of 28°C Mostly cloudy.

Professional collections

For professionals and specialists with middle sized project, we recommend our Professional collections, which included [Current & Forecasts collection](#), [Historical weather data collection](#), [Weather Maps collection](#) and other APIs.

For Enterprise level projects we provide Enterprise license, which is included all forecast products and current state, along with alerts, maps, and other products. [Learn more](#)

You can read the [How to Start](#) guide and enjoy using our powerful weather APIs right now.

Current & Forecast weather data collection

Current Weather Data

[API doc](#) [Subscribe](#)

- Access current weather data for any location including over 200,000 cities
- We collect and process weather data from different sources such as global and local weather models, satellites, radars and a vast network of weather stations
- JSON, XML, and HTML formats
- Included in both free and paid subscriptions

Hourly Forecast 4 days

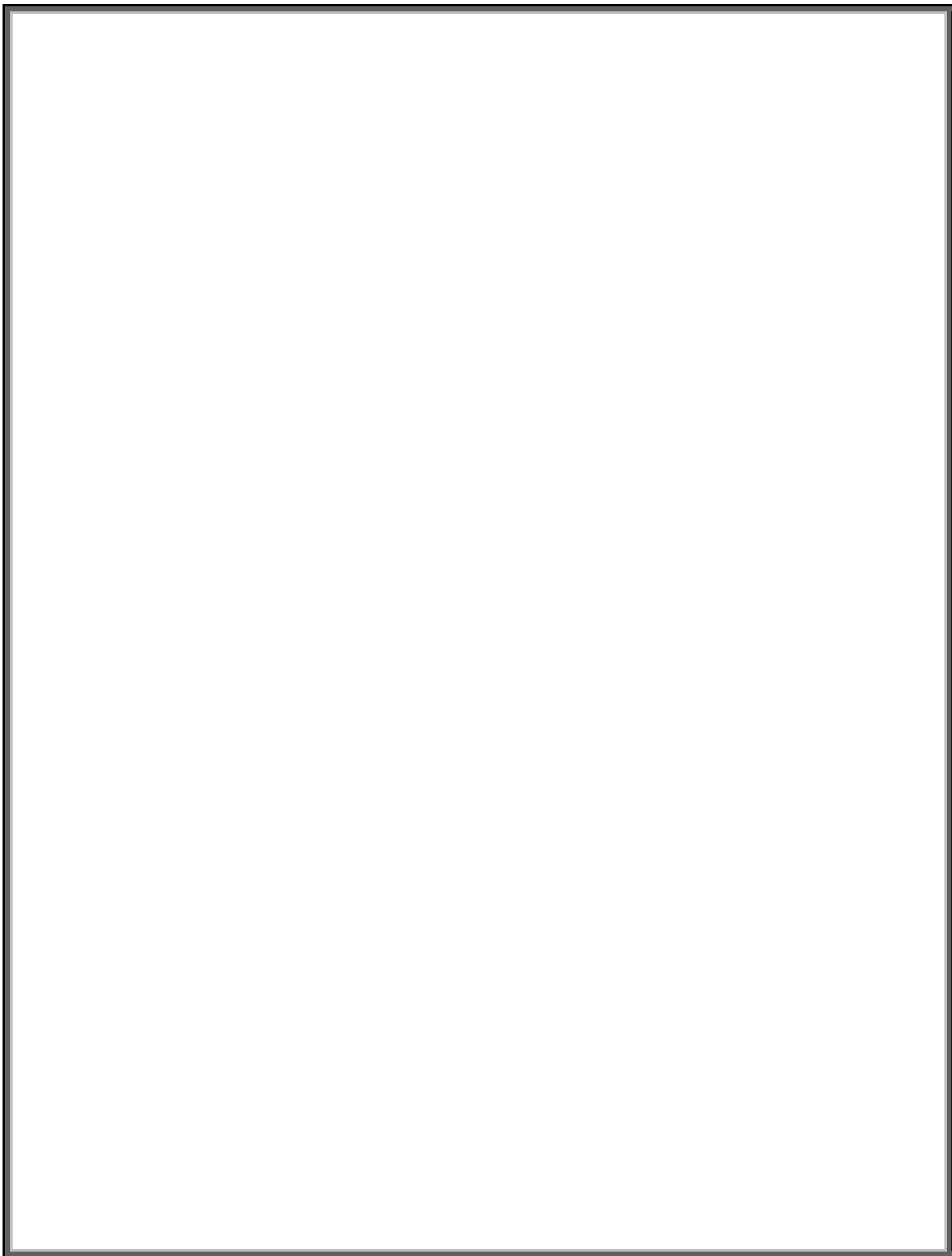
[API doc](#) [Subscribe](#)

- Hourly forecast is available for 4 days
- Forecast weather data for 96 timestamps
- JSON and XML formats
- Included in the Developer, Professional and Enterprise subscription plans

Daily Forecast 16 days










[API doc](#) [Subscribe](#)

- 16 days forecast is available for any location on the globe
- 1-day step for 16 days
- JSON and XML formats
- Included in all paid subscription plans



New Products Services **API keys** Billing plans Payments Block logs My orders My profile Ask a question

You can generate as many API keys as needed for your subscription. We accumulate the total load from all of them.

Key	Name	Status	Actions
c206723844926cbbcdcc6d6fadd5ee56	kamaraj	Active	  
f67f74461bc019cbd0bef659480a5aed	kamaraj	Active	  
91fce37b3b01ceed92504c950a2291de	SALEM.IN	Active	  

Create key

API key name

Generate

Product Collections

Current and Forecast APIs
Historical Weather Data
Weather Maps
Weather Dashboard

Subscription

How to start
Pricing
Subscribe for free
FAQ

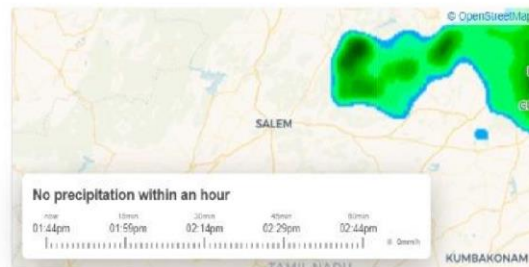
Company

OpenWeather is a team of IT experts and data scientists that has been practising deep weather data science since 2014. For each point on the globe, OpenWeather provides historical, current and forecasted weather data via light-speed APIs. Headquarters in London, UK.

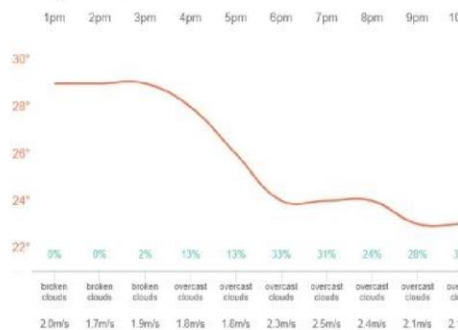
Oct 31, 01:44pm
Salem, IN

29°C
Heavy Rain

Feels like 30°C. Broken clouds. Light breeze
2.0m/s NE 1009hPa
Humidity: 48% UV: 7
Dew point: 17°C Visibility: 10.0km



Hourly forecast



8-day forecast

Mon, Oct 31	29 / 21°C	overcast clouds
Tue, Nov 01	29 / 22°C	moderate rain
Wed, Nov 02	27 / 22°C	moderate rain
Thu, Nov 03	27 / 21°C	light rain
Fri, Nov 04	28 / 21°C	light rain
Sat, Nov 05	29 / 21°C	light rain
Sun, Nov 06	29 / 21°C	moderate rain
Mon, Nov 07	27 / 21°C	light rain