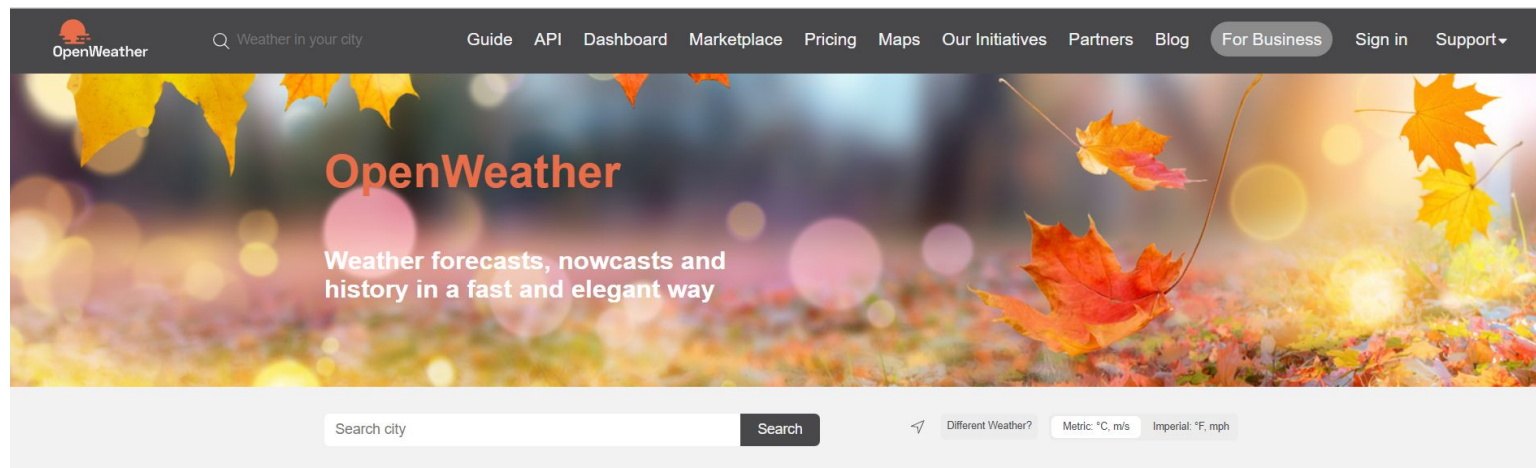




Тема занятия: Weather app

Перейдите на сайт - <https://openweathermap.org/>



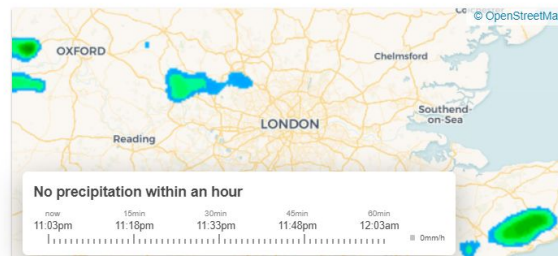
Nov 13, 11:03pm
London, GB

 **12°C**

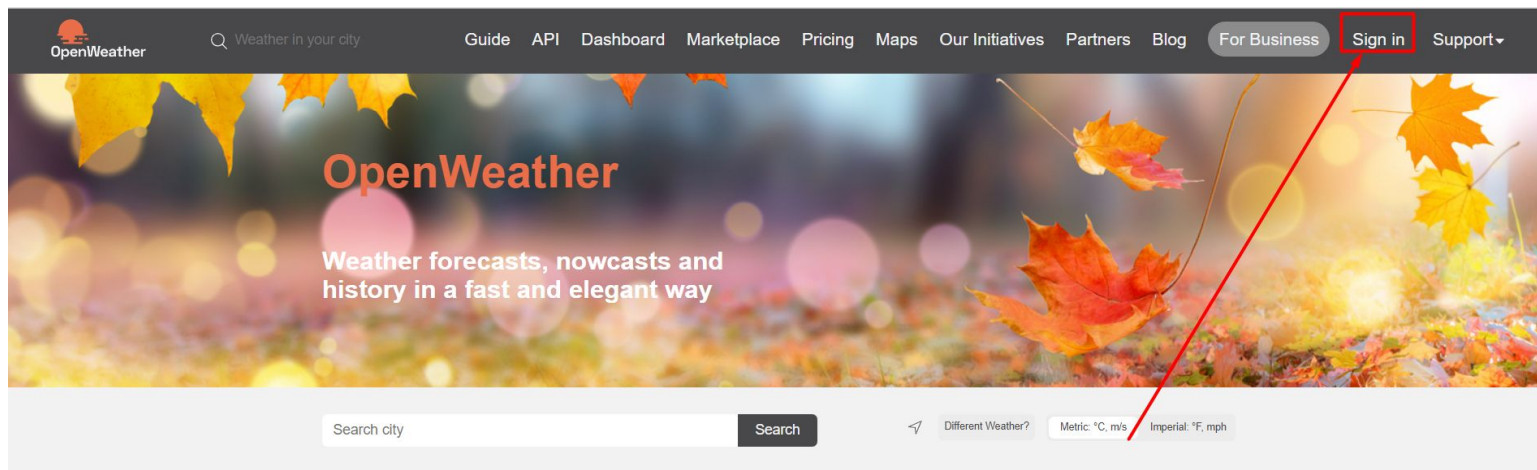
Yellow thunderstorm warning

Feels like 11°C. Broken clouds. Moderate breeze

➤ 6.7m/s WSW ☉ 1001hPa
Humidity: 75% Dew point: 8°C
Visibility: 10.0km



Перейдите во вкладку Sign in



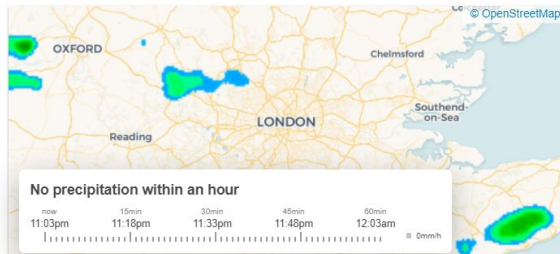
Nov 13, 11:03pm
London, GB

12°C

Yellow thunderstorm warning

Feels like 11°C. Broken clouds. Moderate breeze

➤ 6.7m/s WSW ☉ 1001hPa
Humidity: 75% Dew point: 8°C
Visibility: 10.0km



Нажмите Create an Account.

Sign In To Your Account

 Enter email

 Password

☐ Remember me

Submit

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Заполните необходимые поля и нажмите на кнопку **Create Account**

 Weather in your city

GuideAPIDashboardMarketplacePricingMapsOur InitiativesPartnersBlogFor BusinessSign InSupport


Create New Account

We will use information you provided for management and administration purposes, and for keeping you informed by mail, telephone, email and SMS of other products and services from us and our partners. You can proactively manage your preferences or opt-out of communications with us at any time using [Privacy Centre](#). You have the right to access your data held by us or to request your data to be deleted. For full details please see the [OpenWeather Privacy Policy](#).

☒ I am 16 years old and over
☒ I agree with [Privacy Policy](#), [Terms and conditions of sale](#) and [Websites terms and conditions of use](#)

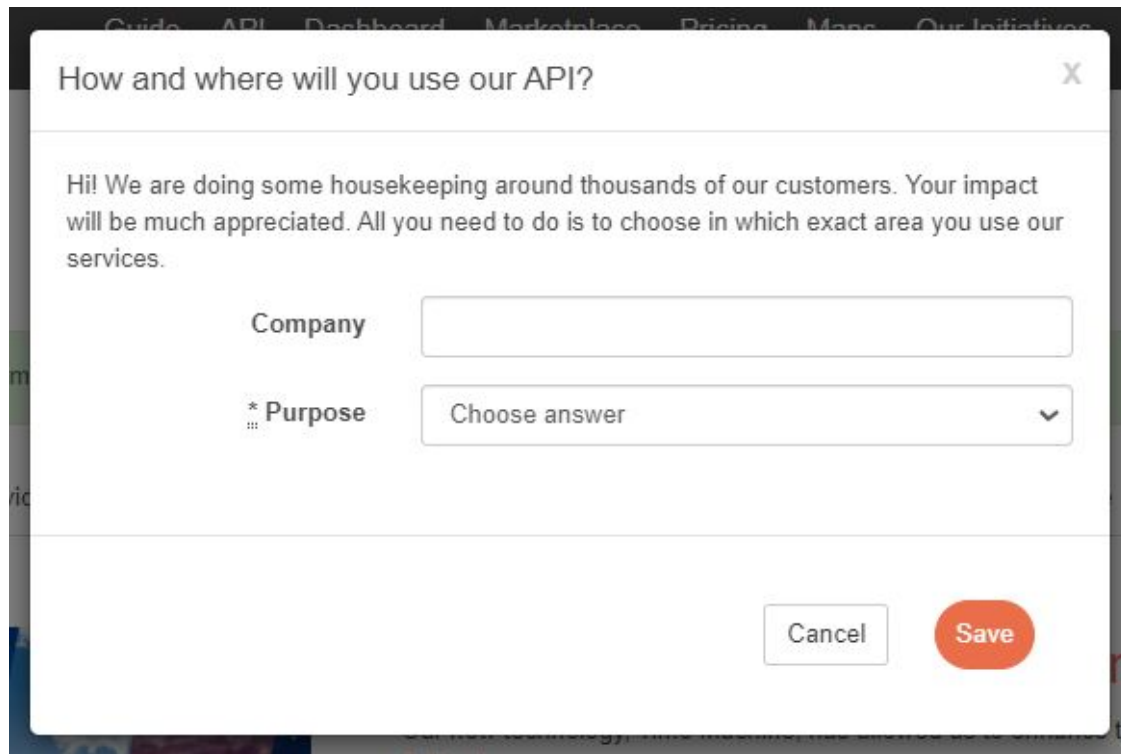
I consent to receive communications from OpenWeather Group of Companies and their partners:

☐ System news (API usage alert, system update, temporary system shutdown, etc)
☐ Product news (change to price, new product features, etc)
☐ Corporate news (our life, the launch of a new service, etc)

☒ I'm not a robot 

Create Account

После регистрации появиться окно, его можно закрыть



How and where will you use our API? X

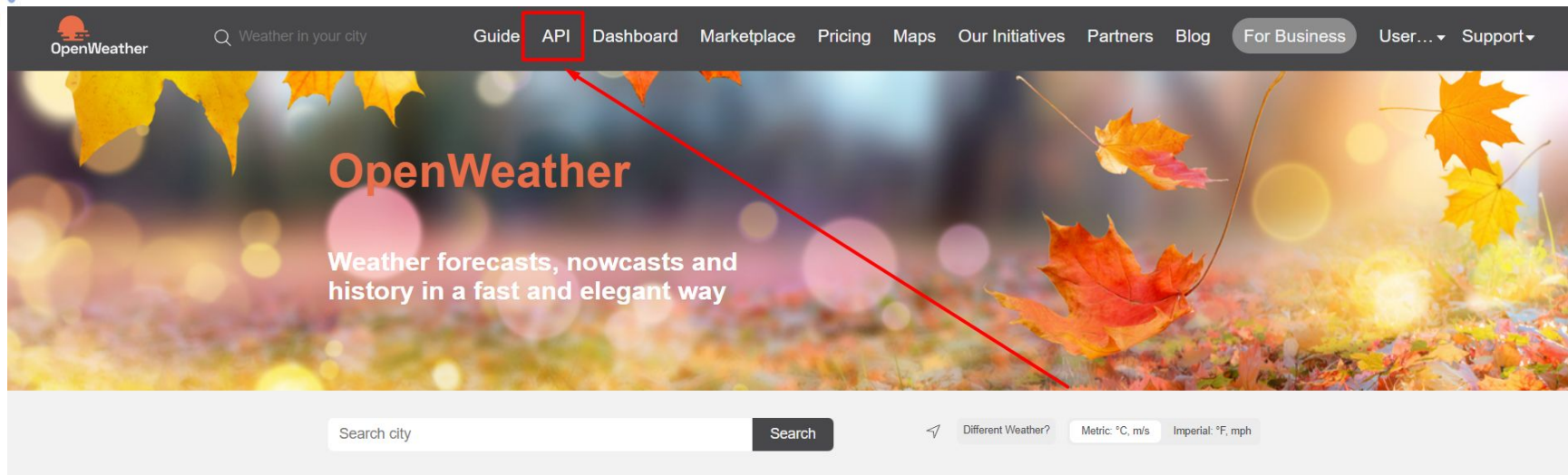
Hi! We are doing some housekeeping around thousands of our customers. Your impact will be much appreciated. All you need to do is to choose in which exact area you use our services.

Company

* Purpose ▼

Cancel Save

Переходим на вкладку API



Nov 13, 11:52pm
London, GB

12°C

Yellow thunderstorm warning

Feels like 11°C Broken clouds Moderate breeze



Листаем вниз до раздела указанного на слайде и нажимаем на кнопку **API doc**

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
- 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

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- 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

Climatic Forecast 30 days

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

- Forecast weather data for 30 days
- JSON format
- Included in the Developer, Professional and Enterprise subscription plans

Bulk Download

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

- Current weather, a variety of weather forecasts and their 7-day archive via regularly updated files
- Weather bulks are grouped by types of weather data and location lists (global city lists or ZIP code lists of EU, UK,

Global Weather Alerts Push notifications

[Doc](#) [Get access](#)

- Get all the **warnings from national weather agencies**
- Weather alerts are pushed to your endpoint as soon as they occur

В открывшемся окне нажимаем на раздел указанный на слайде

Current weather data

[Home](#) / [API](#) / [Current weather](#)

Product concept

Access current weather data for any location on Earth! 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. Data is available in JSON, XML, or HTML format.

Call current weather data

How to make an API call

API call

```
https://api.openweathermap.org/data/2.5/weather?lat={lat}&lon={lon}&appid={API key}
```

Parameters

lat	required	Latitude. If you need the geocoder to automatic convert city names and zip-codes to geo coordinates and the other way around, please
-----	----------	--

- Product concept
- Call current weather data
 - How to make an API call
- API response
 - JSON format API response example
 - JSON format API response fields
 - XML format API response example
 - XML format API response fields
 - List of weather condition codes
 - Min/max temperature in current weather
 - API and forecast API
- Bulk downloading
- 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
 - Call back function for JavaScript code

Для нашего fetch запроса понадобится первый url с переменными {city name} и {API key}

Built-in API request by city name

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.

API call

`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}`

Parameters

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.

appid required Your unique API key (you can always find it on your account page)

Product concept

Call current weather data

How to make an API call

API response

JSON format API response example

JSON format API response fields

XML format API response example

XML format API response fields

List of weather condition codes

Min/max temperature in current weather

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Bulk downloading

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

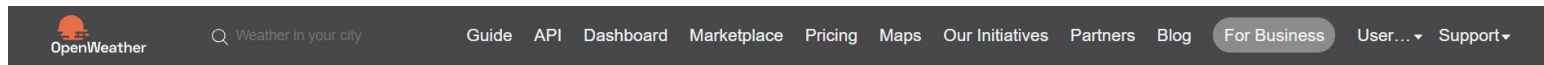
Format

Units of measurement

Multilingual support

Call back function for JavaScript code

Чтобы получить переменную API key для вашего запроса необходимо нажать на неё в url



Built-in API request by city name

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.

API call

```
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}
```

Parameters

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.

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[How to make an API call](#)

[API response](#)

[JSON format API response example](#)

[JSON format API response fields](#)

[XML format API response example](#)

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[List of weather condition codes](#)

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[API and forecast API](#)

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[Call back function for JavaScript code](#)

click


В открывшемся окне вы можете скопировать имеющийся **API key** (обратите внимание на статус - он должен быть активным)


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
5c41ec20e551056f2ba66f4eaf6350ea	Default	Active	 

Create key

API key name 



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Также вы можете сгенерировать новый API key

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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
5c41ec20e551056f2ba66f4eaf6350ea	Default	Active	 

Create key

Generate

введите имя

нажмите

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Новый API key появился в списке

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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	Create key
5c41ec20e551056f2ba66f4eaf6350ea	Default	Active	  	<input type="text" value="API key name"/> <button>Generate</button>
585c198d3f50a59e77ad7179b02fd400	weather_key	Active	  	

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Детали проекта

1. Страница должна содержать:
 - a. заголовок - "Weather app"
 - b. поле для ввода города
 - c. кнопку "Получить погоду"
 - d. область для отображения данных о погоде или ошибки
2. При нажатии на кнопку "Получить погоду", должен отправляться запрос на url, рассмотренный на предыдущих слайдах
3. Во время ожидания ответа нужно отображать индикатор
4. После успешного получения данных, их нужно отобразить на странице
5. При получении ошибки, её данные нужно отобразить на странице
6. При отсутствии названия города, после нажатия на кнопку "Получить погоду" должен появиться alert с просьбой ввести название города