

Open Weather API

By Marco Quezada

The Power of the Weather!

- Scary Weather Data!



- W do!?

The Power of the Weather!

- Shifting Weather Data!
- What's a developer to do!?
- The answer?

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History

- Made in 2012
- Denn Ukulov and Olga Ukolova
- Blends Big Data with weather

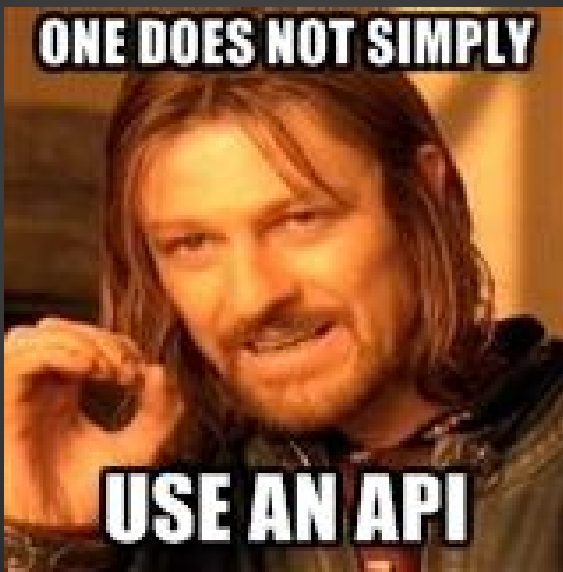
History

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- Blends Big Data with weather

History

- Made in 2012
- Denn Ukulov and Olga Ukolova
- Blends Big Data with over 40000 weather stations

Register, Register, Register



Register, Register, Register

FREE

\$0/month

3,000 API calls per min

Full weather data range

History < 1 month

Availability 95.0%-99.5%

No API customization

Data update < 2 hours

Community support

No SSL

No bulk

Details >

Get API key and Start

Register, Register, Register

DEVELOPER

\$180/month

30,000 API calls per min

Full weather data range

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[Details >](#)

[Subscribe](#)

Register, Register, Register

PROFESSIONAL

\$470/month

60,000 API calls per min

Full weather data range

History 1 year

Availability 99.5%-99.9%

No API customization

Data update 10 min

Direct support 1 day

SSL

Bulk current, forecast

[Details >](#)

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No API customization

Data update 10 min

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SSL

Bulk current, forecast

Details >

Subscribe

ENTERPRISE

\$2,000+ /month

200,000 API calls per min

Full weather data range

History unlimited

Availability 99.9%

API customization

Data update 1 min

Direct support 24x7

SSL

Bulk customization

Details >

Contact us



Calling a Request

- Don't forget your Request library!
- City ID, and Lat/Lon

```
>>> r = requests.get('https://api.github.com/user', auth=('user', 'pass'))
>>> r.status_code
200
>>> r.headers['content-type']
'application/json; charset=utf8'
>>> r.encoding
'utf-8'
>>> r.text
u'{"type":"User"...'
>>> r.json()
{u'private_gists': 419, u'total_private_repos': 77, ...}
```

Calling a Request

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Calling a Request

- Don't forget your Request library
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```
r = requests.get('api.openweathermap.org/data/2.5/forecast/city?id=524901&APPID=1111111111')
```

```
In JSON api.openweathermap.org/data/2.5/weather?q=London,uk
```

```
In XML api.openweathermap.org/data/2.5/weather?q=London&mode=xml
```

Calling a Request

```
{"coord":{"lon":139,"lat":35}  
"sys":{"country":"JP","sunrise":1369769524,"sunset":1369821049}  
"weather":[{"id":804,"main":"clouds","description":"overcast clouds","icon":"04n"}]  
"main":{"temp":289.5,"humidity":89,"pressure":1013,"temp_min":287.04,"temp_max":292.04}  
"wind":{"speed":7.31,"deg":187.002}  
"rain":{"3h":0},  
"clouds":{"all":92},  
"dt":1369824698,  
"id":1851632,  
"name":"Shuzenji",  
"cod":200}
```


Capabilities

- 7 day forecasts
- 15 day forecasts
- **Maps!**
 - Openlayer (Javascript Library)
 - Leaflet Library

Competitors

- Open Meteor Forecast (Shutdown!)
- Yahoo! Weather
- Weather Underground (Better Competitor)

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Demo Time!

