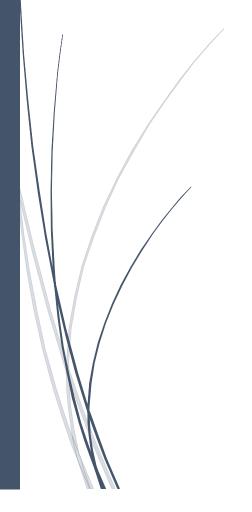
REST ANALYSE

Weatherstack



Niels verschooten 2EACL1

About

Weatherstack is een API dat gemaakt is om de real-time, de historische en het toekomstige weer op te vragen. Deze informatie kan worden opgevraagd over bijna elke locatie wereldwijds. Volgens hen zijn zij een van de meest populaire weer REST API's omdat ze zeer makkelijk te implementeren zijn en dat de data zeer consistent is.

What is weatherstack?

The weatherstack API was built to deliver real-time, historical and future weather information for as many worldwide locations as possible, now covering an extensive scope of weather data for almost the entire planet and offering it at a cost-effective price point to companies big and small, as well as developers, freelancers and individuals around the world. Over the years, weatherstack has become one of the most popular weather data REST API providers on the market due to its ease of implementation and data consistency.

You can test the API for free by signing up for the Free Plan, no credit card required.

Analyse

Zelfstandige naamwoorden

Weatherstack maakt gebruik van zelfstandige naamwoorden in hun API Requests

```
Sign Up to Run API Request
https://api.weatherstack.com/current
    ? access_key = YOUR_ACCESS_KEY
    & query = New York
                                                                                            Sign Up to Run API Request
https://api.weatherstack.com/forecast
    ? access_key = YOUR_ACCESS_KEY
    & query = New York
    & forecast_days = 1
      hourly = 1
                                                                                             Sign Up to Run API Request
https://api.weatherstack.com/historical
    ? access_key = YOUR_ACCESS_KEY
    & query = New York
    & historical_date_start = 2015-01-21
    & historical_date_end = 2015-01-25
```

Consistency

De zelfstandige naamwoorden zijn altijd enkelvoudig

Identifier

Er is geen mogelijkheid om identifiers mee te geven na de zelfstandige naamwoorden. Alles wordt gedaan via querries.

Representation of resources

Weatherstack geeft JSON objecten terug.

```
https://api.weatherstack.com/current
? access_key = YOUR_ACCESS_KEY
& query = New York
```

```
"request": {
    "type": "City",
   "query": "New York, United States of America",
"language": "en",
"unit": "m"
"location": {
   "name": "New York",
   "country": "United States of America",
"region": "New York",
   "lat": "40.714",
   "lon": "-74.006",
   "timezone_id": "America/New_York",
   "localtime": "2019-09-07 08:14",
   "localtime_epoch": 1567844040,
    "utc_offset": "-4.0"
"current": {
    "observation_time": "12:14 PM",
   "temperature": 13,
    "weather_code": 113,
   "weather_icons": [
        "https://assets.weatherstack.com/images/wsymbols01_png_64/wsymbol_0001_sunny.png"
   ],
"weather_descriptions": [
        "Sunny"
    "wind_speed": 0,
    "wind_degree": 349,
    "wind_dir": "N",
    "pressure": 1010,
    "precip": 0,
    "humidity": 90,
    "cloudcover": 0,
    "feelslike": 13,
    "uv_index": 4,
    "visibility": 16
```

Verbs

Weatherstack maakt gebruik van de REST verbs, maar enkel de GET verb is bruikbaar voor consumenten. Dit wil zeggen dat je enkel data kan ophalen. Data editeren, aanmaken en deleten is dus niet mogelijk.

Stateful vs Stateless

De requests moeten alle nodige informatie meekrijgen om de request juist uit te voeren, dus de requests zijn stateless.

Hypermedia

Hypermedia wordt niet toegepast.