TEKLINKS®

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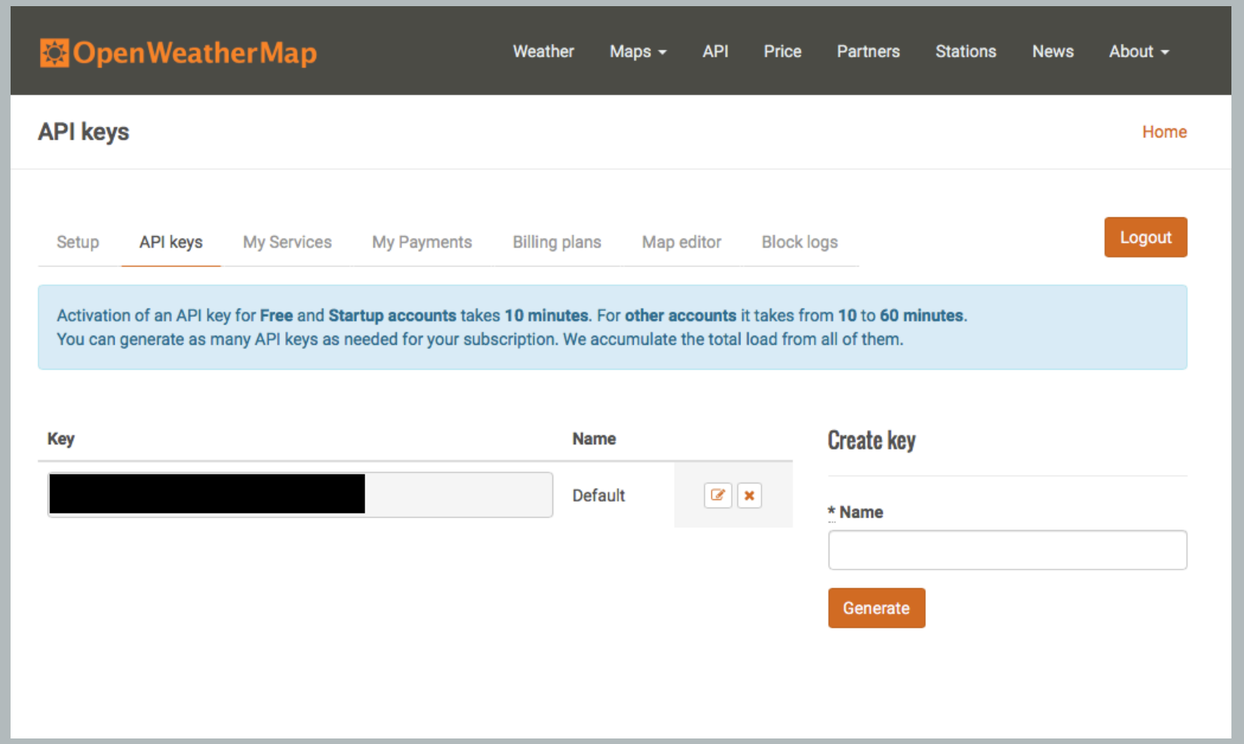
API Intro Lab

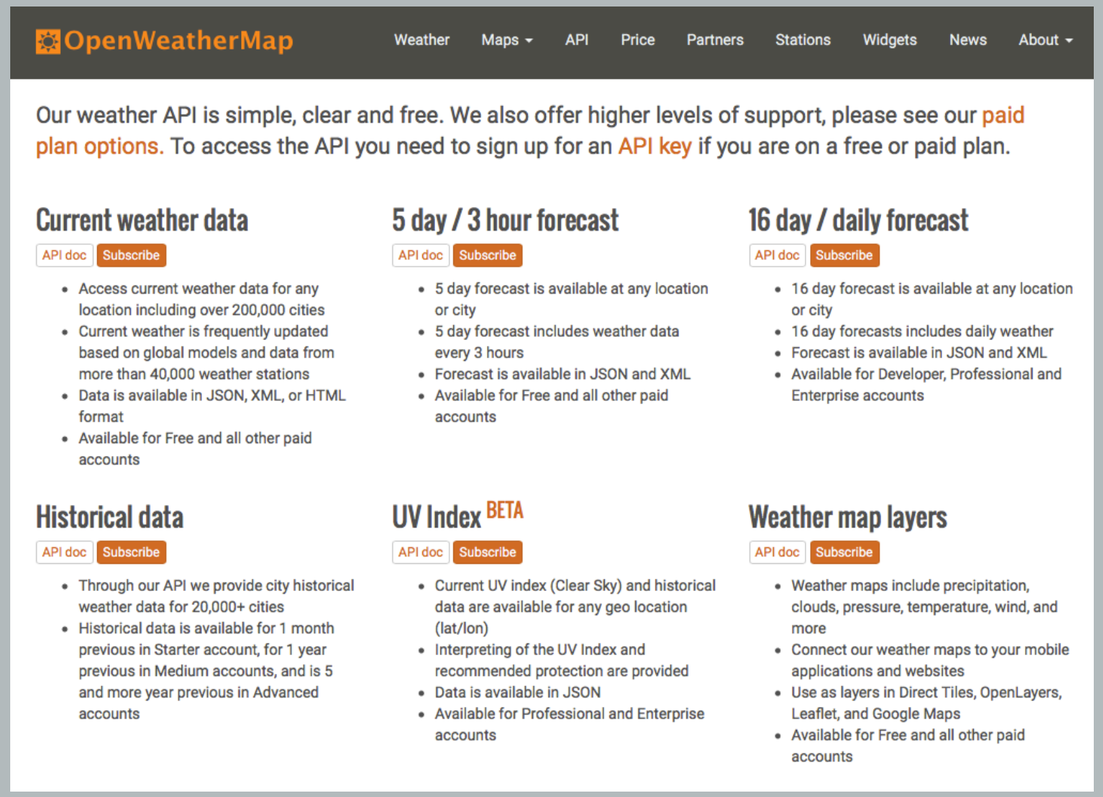
OpenWeatherMaps API Key

- Create an account at openweathermap.org
- Go to the "API Keys" tab and record your API Key



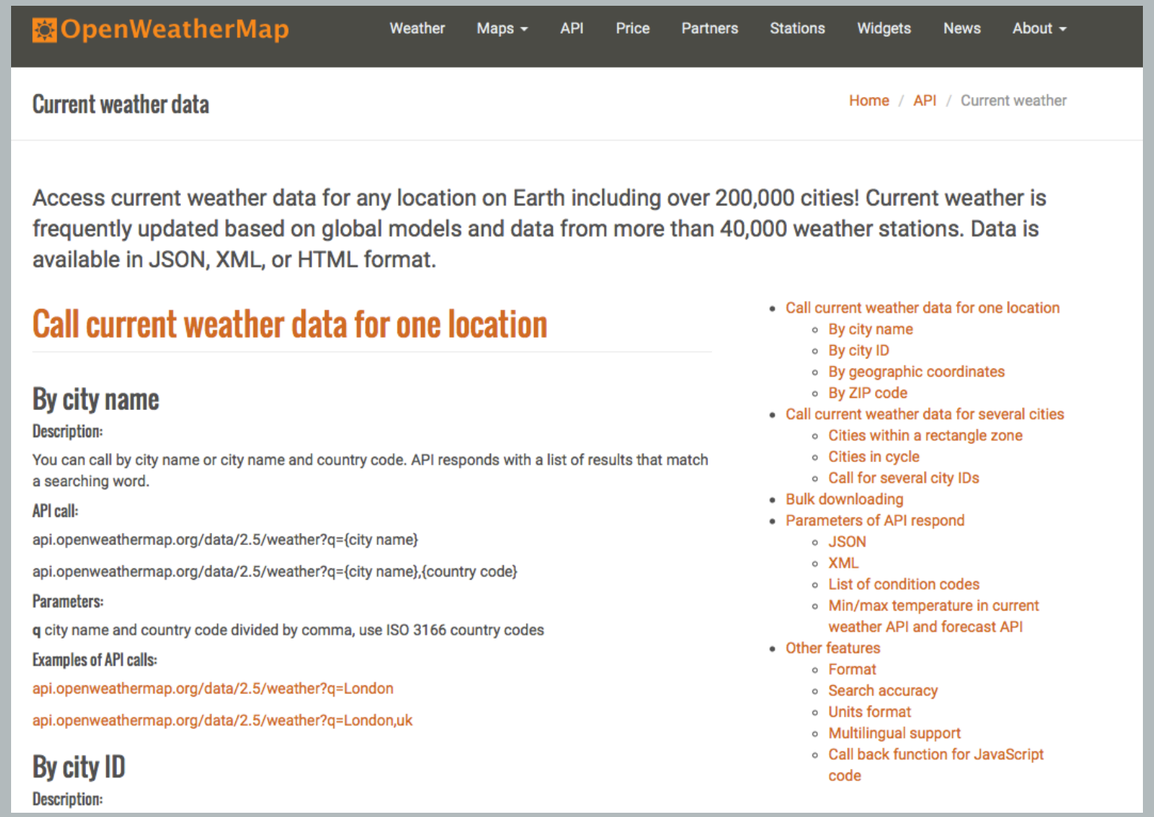
OpenWeatherMaps API Docs

- Go to the openweathermap.org/api page and spend some time looking over their available APIs for free accounts



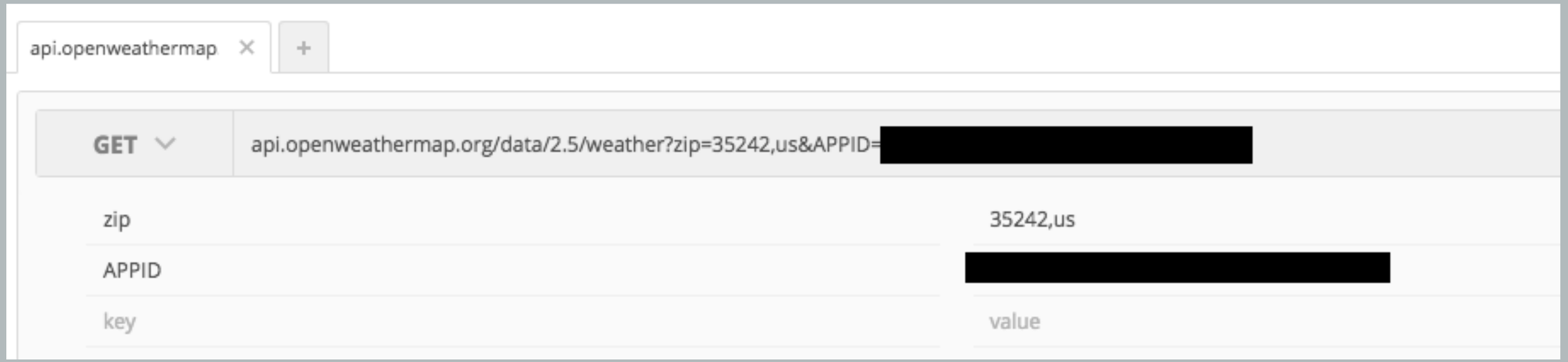
Current Weather Docs

- View the "Current Weather" API call



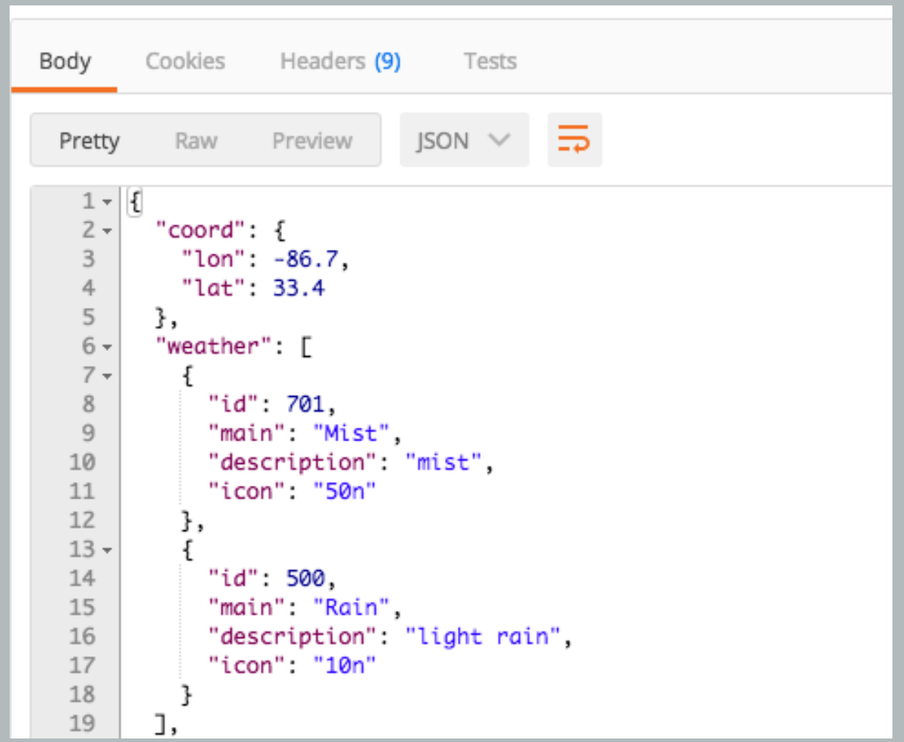
Postman GET Request

- Open Postman and create a new tab if one isn't open
- Enter the request URL into the URL box in Postman
- Add a parameter called APPID and set it to your API Key that you recorded earlier
- Add another parameter called zip and set the value to "<YOUR ZIP CODE>,us"
- Send the request by clicking the "Send" button



Postman GET Response

- Check your results in the results window
- Look at the body tab, make sure you are set to "Pretty" mode w/ JSON selected as the response type



Decoding the Response

- Does the response make sense?
- Are they returning a single object or an array with this request?
- Using the docs, see if you can decode some of the response
- Post your decoded response (in localized human readable form) to the Spark room. (bonus, also post your JSON response as a code block using Markup)

Bonus

- Try some other search parameters with the "Current Weather" API
- Try at least one other API available to the free tier

Part 2, Post a Message to Spark

- Go to developer.ciscospark.com
- Click on documentation
- On the left hand side click the Rooms API Reference
- Click the GET method
- Make sure the Test toggle is turned on
- Click the "Run" button

Posting a Message to Spark, First Collect the desired RoomId

- In the right hand side of the panel you should see 200/ success and a JSON Response
- Is this an object or array response?
- Scroll through your list of Spark Rooms and find the "TekLinks Coding Camp Q1 2017" room
- Record the id. This is the RoomId

Post via the Messages API

- On the left hand side click on the Messages API Reference
- Click on the POST method
- Paste the recorded RoomId into the "roomId" field
- Notice how it builds your JSON request object as you fill in the parameters to the form
- Enter some valid Markdown text in the "markdown" field to enthusiastically let us know you successfully posted a message to Spark
  - Tip - Click the M in the Spark client to get a Markdown cheat sheet for Spark
- Click the Run button
- Did your message post to the Spark room?