

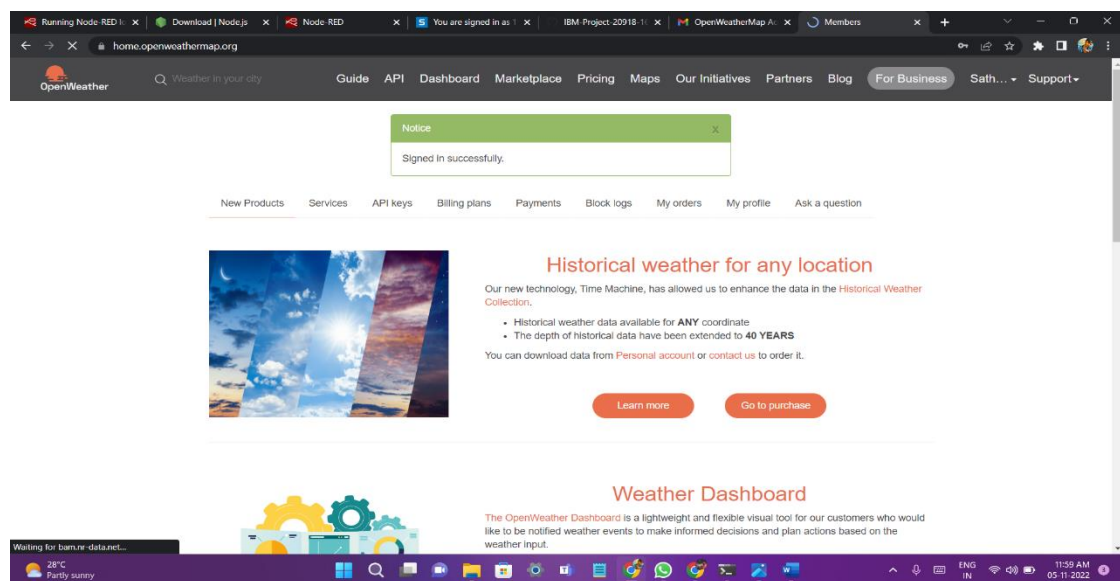
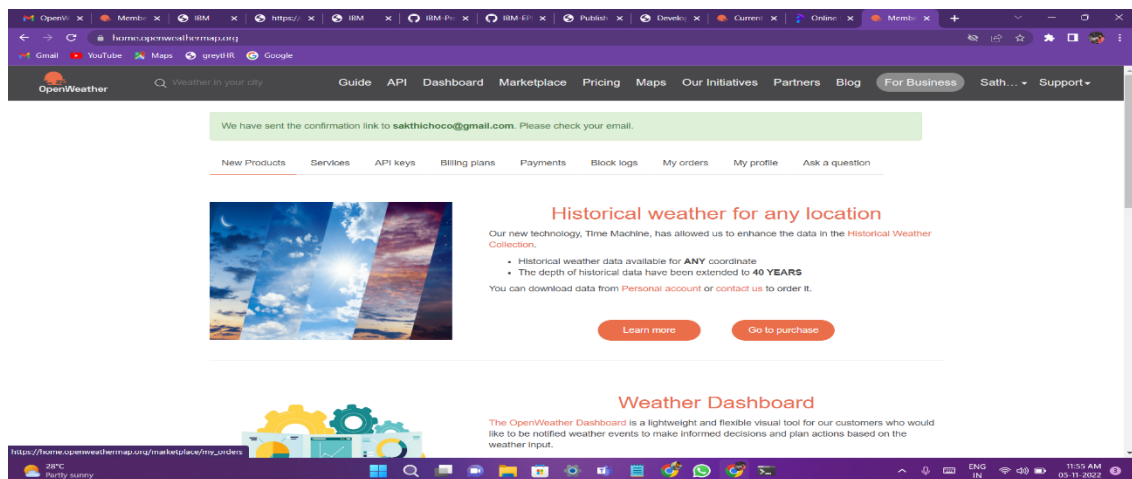
# Industry-specific intelligent fire management system

(Develop a Python Script)

Date	04 November 2022
Team ID	PNT2022TMID42644
Project Name	Industry-specific intelligent fire management system

Create a code snippet using python to

1. Extract weather data from OpenWeatherMap using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler



Running Node-RED | x Download | Node.js | x Node-RED | x You are signed in as | x IBM-Project:20918-1 | x OpenWeatherMap A | x Current weather and | x

openweathermap.org/city/1264527

OpenWeather

Weather in your city

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Nov 5, 12:29pm

# Chennai, IN

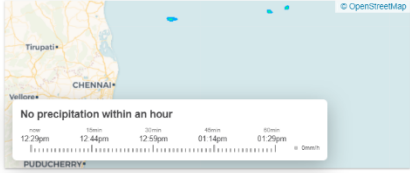
31°C

Feels like 38°C. Mist. Gentle Breeze

5.1m/s ENE 1013hPa

Humidity: 74% UV: 10

Dew point: 26°C Visibility: 5.0km



OpenStreetMap

No precipitation within an hour

Hourly forecast

8-day forecast

Sat, Nov 05 31 / 25°C moderate rain

Sun, Nov 06 29 / 26°C light rain

Mon, Nov 07 29 / 25°C light rain

Tue, Nov 08 29 / 24°C scattered clouds

Wed, Nov 09 28 / 25°C light rain

Thu, Nov 10 28 / 25°C light rain

Fri, Nov 11 23 / 21°C very heavy rain

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28°C Partly sunny

12:29 PM 05-11-2022

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orthy/Downloads/Develop%20a%20python%20script%20(2).pdf

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4 / 4 153%

OUTPUT:

```

import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=6d13d12f9cd34a07871a5795d01e2c47"
r = requests.get(url = a)
data = r.json()
print(r)
print(data)
temp = data["main"]["temp"]
hum = data["main"]["humidity"]
print("Temperature is : ",temp)
print("Humidity is : ",hum)

```

Pythons 3.5.5 Shell

```

<Response [200]>
Temperature is : 298.14
>>>
===== RESTART: E:\IBM\pre\weatherMap.py =====
<Response [200]>
{'coord': {'lon': 80.2785, 'lat': 13.0878}, 'weather': [{'id': 701, 'main': 'Mist', 'description': 'mist', 'icon': '50n'}], 'id': 500, 'main': {'temp': 298.14, 'temp_min': 298.14, 'temp_max': 298.14, 'pressure': 1012, 'humidity': 94}, 'visibility': 2500, 'wind': {'speed': 1.54, 'deg': 350}, 'rain': {'1h': 0.12}, 'clouds': {'all': 75}, 'dt': 1667317416, 'sys': {'type': 1, 'id': 9218, 'country': 'IN', 'sunrise': 1667262751, 'sunset': 1667304738}, 'timezone': 19800, 'id': 1264527, 'name': 'Chennai', 'cod': 200}
Temperature is : 298.14
Humidity is : 94
>>>

```

12:22 PM 05-11-2022