

The Weather Page

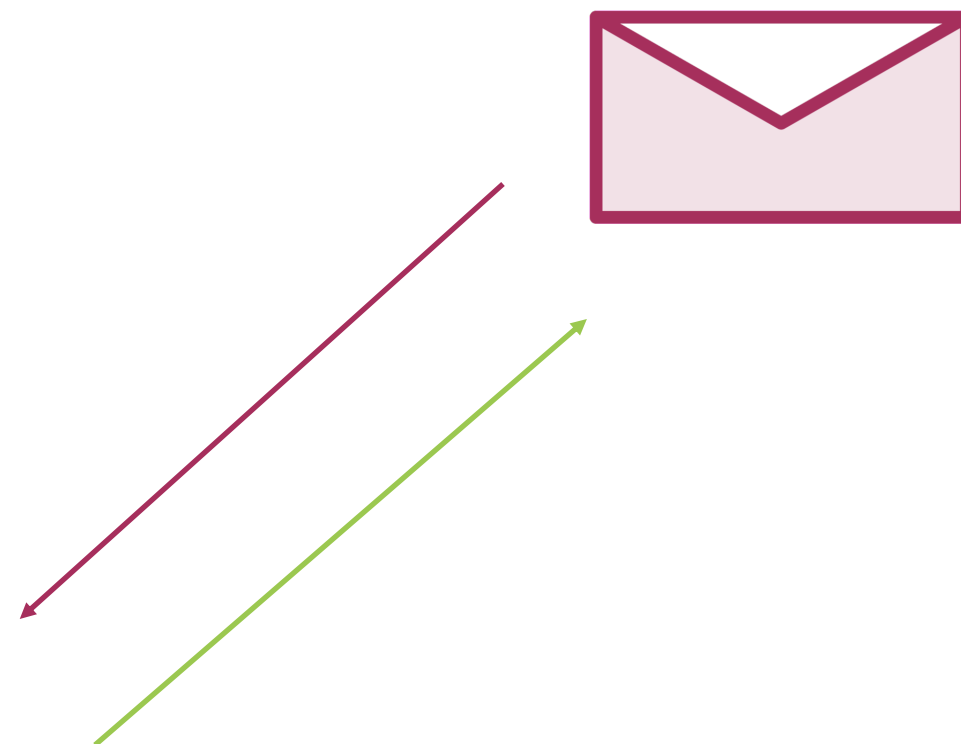
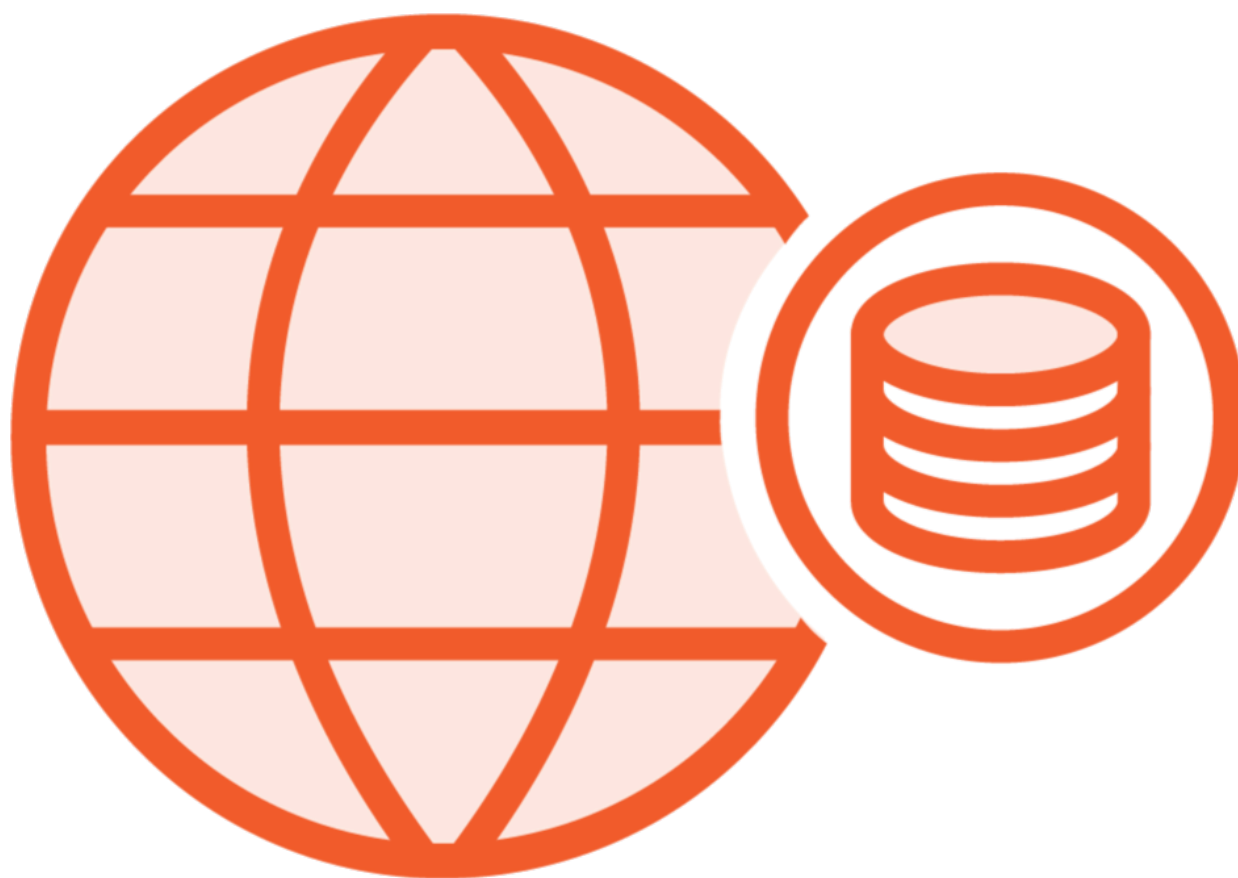


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Overview



Adding and Using the http Package

Connecting to a Web API

Using Asynchronous Programming

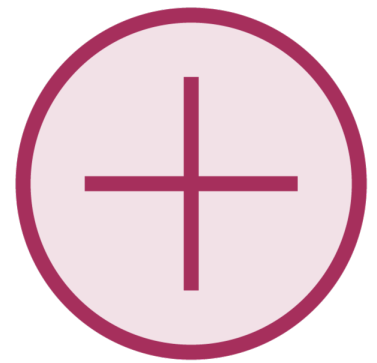
Parsing JSON



Packages



Find Package



Add Package to pubspec.yaml



Import Package



API

Application Programming Interface



URI

https://api.openweathermap.org/data/2.5/weather?q=London&appid=you

r_id

**protoc
ol**

authority

path

parameters



```
int a = 21;
```

```
int b = a * 2;
```

```
print(b);
```

◀ Prints 42 in the Debug Console

Asynchronous Pattern

Main Execution



Asynchronous Pattern

Background Execution



Main Execution



JSON

JavaScript Object Notation



C: > Users > sales > OneDrive > Desktop > {} weather.json > {} main

```
1  {
2    "coord": {
3      "lon": -0.1257,
4      "lat": 51.5085
5    },
6    "weather": [
7      {
8        "id": 802,
9        "main": "Clouds",
10       "description": "scattered clouds",
11       "icon": "03d"
12     }
13   ],
14   "base": "stations",
15   "main": {
16     "temp": 285.75,
17     "feels_like": 285.55,
18     "temp_min": 283.74,
19     "temp_max": 288.01,
20     "pressure": 1016,
21     "humidity": 95
22   },
23   "visibility": 10000,
24   "wind": {
```

C: > Users > sales > OneDrive > Desktop > {} weather.json >

```
23   "visibility": 10000,
24   "wind": {
25     "speed": 1.54,
26     "deg": 230
27   },
28   "clouds": {
29     "all": 42
30   },
31   "dt": 1625981147,
32   "sys": {
33     "type": 2,
34     "id": 2006068,
35     "country": "GB",
36     "sunrise": 1625975782,
37     "sunset": 1626034514
38   },
39   "timezone": 3600,
40   "id": 2643743,
41   "name": "London",
42   "cod": 200
43 }
```



Map

map.dart

```
Map map = {  
    'name': 'London',  
    // optionally other keys - values here  
}  
  
print(map['name']); // prints London
```

Summary



pub.dev

Packages

- pubspec.yaml
- http
- get()
- Uri

async/await

JSON

Map

Model Classes

