



Handover Document

AI Weather and Local Business API

Integration

Version and revision history

Author	Date	Change Notes
Xolani Gumede	27 Feb 2024	First Draft

Product Details

Problem statement

Using the **rapidapi** (<https://rapidapi.com/>) platform choose any two ap's from their list you find interesting and would be a good match to integrate data that is then mapped and aggregated and then displayed

Overview

I have chosen to integrate the **AI Weather API** and the **Local Business API**. The idea is that let say a User want to enquire information about a specific service (**Pizza**) from a specific nearby area or location before they make a choice to either go to the place or not. This could be based on certain factors like the **current weather**, **number of reviews** etc, the 2 API Integration aggregates to provide the User with enrich information such as the **local businesses** that are supplying that type of a service as well as other information like the **full address** of that business, **website**, and the **operating hours**.

Technical Information

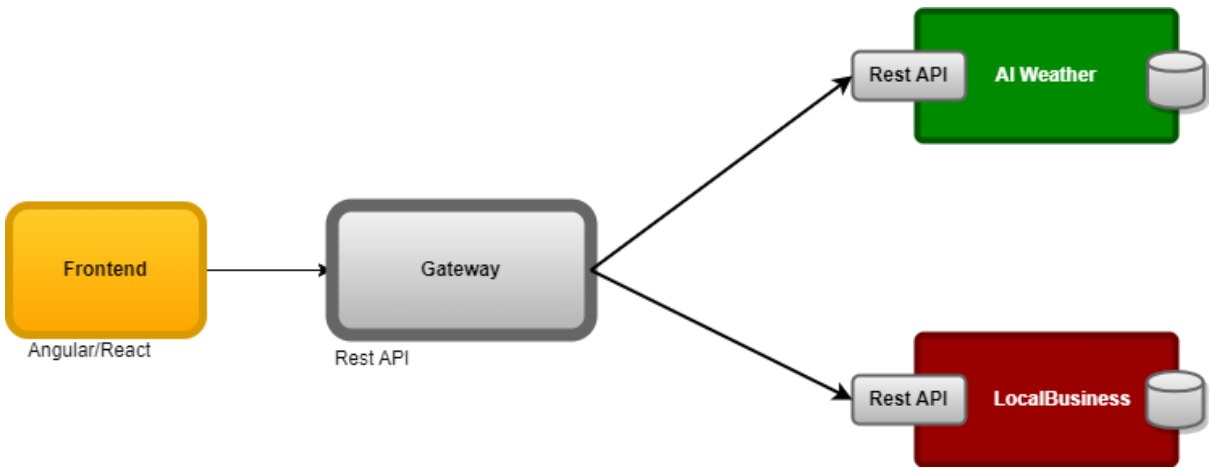
The Integration makes use of a **Microservice** approach of development to service the requirement It consist of 3 API's mentioned below.

Integration Platform Listing		
Gateway API	This API will be the client facing API that will handle all the request coming from the calling Client or Application	✓
	https://localhost:7135/	✓
AI API	This API Is responsible to getting the current weather of the business locations	✓
	https://localhost:4438/	
Local Business API	This API is responsible for getting the business information	✓
	http://localhost:7087/	

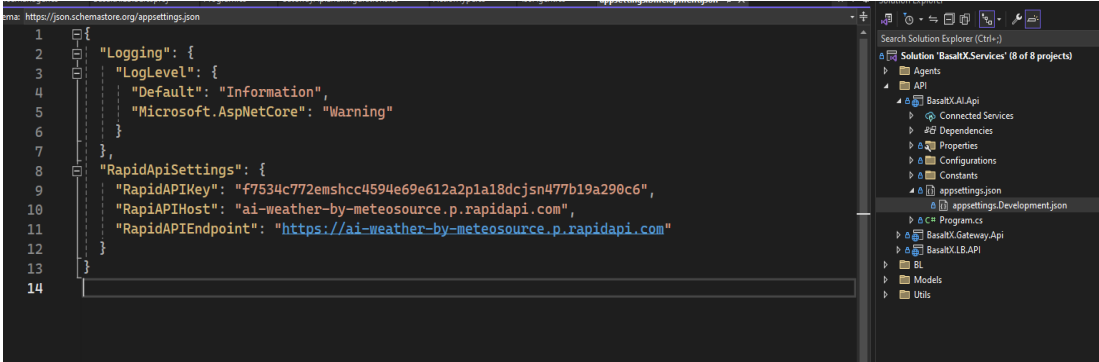
Note: All 3 API should be running to for the data to be returned.

An example of the request payload has been attached as a Postman Collection to test the data returned. Below is the Architectural design on how all 3 API's work together to service the request.

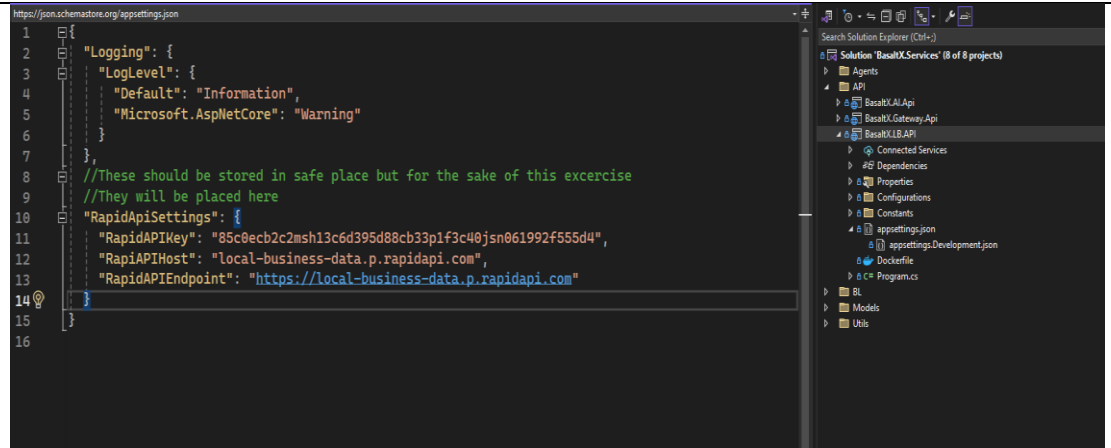
The below figure is also attached on the diagram's pdf



Please find below the External API Token Keys to test the Integration.

Projects Listing		
BasaltX.AI.Api	<div>Please go to the appsettings.Development and place this key on RapidAPIKey</div> <div></div>	✓
	API KEY : f7534c772emshcc4594e69e612a2p1a18dcjsn477b19a290c6	✓
BasaltX.LB.Api	<div>Please go to the appsettings.Development and place this key on RapidAPIKey</div>	✓

```
https://json.schemastore.org/appsettings.json
1 {
2   "Logging": {
3     "LogLevel": {
4       "Default": "Information",
5       "Microsoft.AspNetCore": "Warning"
6     }
7   },
8   //These should be stored in safe place but for the sake of this exercise
9   //They will be placed here
10  "RapidApiSettings": {
11    "RapidAPIKey": "85c0ecb2c2msh13c6d395d88cb33p1f3c40jsn061992f555d4",
12    "RapiAPIHost": "local-business-data.p.rapidapi.com",
13    "RapidAPIEndpoint": "https://local-business-data.p.rapidapi.com"
14  }
15 }
16
```



API KEY : 85c0ecb2c2msh13c6d395d88cb33p1f3c40jsn061992f555d4