

# Lab1- WebApi\_Handson

## Creating first web api using .NET core

Configure your new project

ASP.NET Core Web API C# Linux macOS Windows API Cloud Service Web Web API

Project name  
First\_WebAPI

Location  
C:\Users\KIIT\OneDrive\Desktop\Cognizant

Solution name ⓘ  
First\_WebAPI

☐ Place solution and project in the same directory

Project will be created in "C:\Users\KIIT\OneDrive\Desktop\Cognizant\First\_WebAPI\First\_WebAPI\"

Additional information

ASP.NET Core Web API C# Linux macOS Windows API Cloud Service Web Web API

Framework ⓘ  
.NET 8.0 (Long Term Support)

Authentication type ⓘ  
None

☒ Configure for HTTPS ⓘ

☐ Enable container support ⓘ

Container OS ⓘ  
Linux

Container build type ⓘ  
Dockerfile

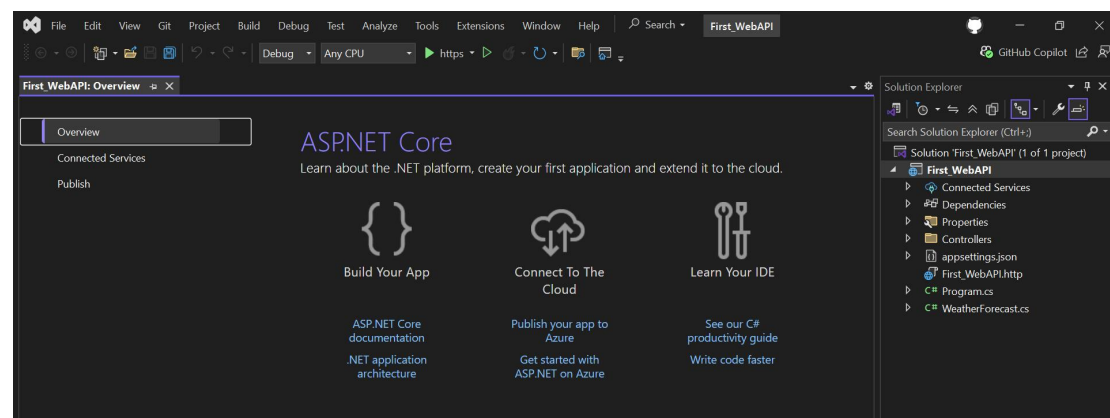
☒ Enable OpenAPI support ⓘ

☐ Do not use top-level statements ⓘ

☒ Use controllers ⓘ

☐ Enlist in .NET Aspire orchestration ⓘ

Aspire version ⓘ  
9.0



## Checking for the Get() method response:

```
C:\Users\KIIT\OneDrive\Desktop\Cognizant\First_WebAPI\First_WebAPI\bin\Debug\net8.0\First_WebAPI.exe
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: https://localhost:7208
info: Microsoft.Hosting.Lifetime[14]
      Now listening on: http://localhost:5182
info: Microsoft.Hosting.Lifetime[0]
      Application started. Press Ctrl+C to shut down.
info: Microsoft.Hosting.Lifetime[0]
      Hosting environment: Development
info: Microsoft.Hosting.Lifetime[0]
      Content root path: C:\Users\KIIT\OneDrive\Desktop\Cognizant\First_WebAPI\First_WebAPI
```

Swagger  
OpenAPI 3.0

Select a definition: First\_WebAPI v1

### First\_WebAPI 1.0 GA1.0

<https://localhost:7208/swagger/v1/swagger.json>

#### WeatherForecast

**GET** /WeatherForecast

Parameters

No parameters

Try it out

Responses

Curl

```
curl -X GET \
  'https://localhost:7208/WeatherForecast' \
  -H 'accept: text/plain'
```

Request URL

```
https://localhost:7208/WeatherForecast
```

Server response

Code

Details

200

Response body

```
{
  "data": "2025-07-10",
  "temperatureC": 25,
  "temperatureF": 77,
  "summary": "Frustrating"
},
{
  "data": "2025-07-12",
  "temperatureC": 25,
  "temperatureF": 77,
  "summary": "Sustaining"
},
{
  "data": "2025-07-13",
  "temperatureC": 25,
  "temperatureF": 77,
  "summary": "Scorching"
},
{
  "data": "2025-07-14",
  "temperatureC": -15,
  "temperatureF": 5,
  "summary": "Warm"
}
```

Download

Response headers

```
content-type: application/json; charset=utf-8
date: Thu, 10 Jul 2025 06:56:31 GMT
server: Kestrel
```

Responses

Code	Description	Links
200	OK	No links

Media type

text/plain

Controls Accept header

Example Value | Schema

```
{
  "data": "2025-07-10",
  "temperatureC": 25,
  "temperatureF": 77,
  "summary": "string"
}
```

#### Schemas

```
WeatherForecast {
  data { ... }
  temperatureC { ... }
  temperatureF { ... }
  summary { ... }
}
```