ASP.NET Core 8.0 Web API

using Microsoft.OpenApi.Models;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.

builder.Services.AddControllers();

builder.Services.AddEndpointsApiExplorer();

// Advanced Swagger Configuration

builder.Services.AddSwaggerGen(c =>

{

c.SwaggerDoc("v1", new OpenApiInfo

{

Title = "MyFirstAPI - Advanced Demo",

Version = "v1.0",

Description = "Learning Web API with Swagger Documentation",

TermsOfService = new Uri("https://example.com/terms"),

Contact = new OpenApiContact

{

Name = "KIIT Student",

Email = "student@kiit.ac.in",

Url = new Uri("https://kiit.ac.in")

},

License = new OpenApiLicense

{

Name = "MIT License",

Url = new Uri("https://opensource.org/licenses/MIT")

}

});

});

var app = builder.Build();

// Configure the HTTP request pipeline.

if (app.Environment.IsDevelopment())

{

app.UseSwagger();

app.UseSwaggerUI(c =>

{

c.SwaggerEndpoint("/swagger/v1/swagger.json", "MyFirstAPI v1.0");

c.RoutePrefix = "swagger"; // Custom URL prefix

});

}

app.UseHttpsRedirection();

app.UseAuthorization();

app.MapControllers();

app.Run();

@MyFirstAPI\_HostAddress = http://localhost:5180

GET {{MyFirstAPI\_HostAddress}}/weatherforecast/

Accept: application/json

{

  "Logging": {

    "LogLevel": {

      "Default": "Information",

      "Microsoft.AspNetCore": "Warning"

    }

  },

  "AllowedHosts": "\*"

}

<Project Sdk="Microsoft.NET.Sdk.Web">

<PropertyGroup>

<TargetFramework>net9.0</TargetFramework>

<Nullable>enable</Nullable>

<ImplicitUsings>enable</ImplicitUsings>

</PropertyGroup>

<ItemGroup>

<PackageReference Include="Microsoft.AspNetCore.OpenApi" Version="9.0.6" />

<PackageReference Include="Swashbuckle.AspNetCore" Version="9.0.3" />

</ItemGroup>

</Project>

Microsoft Visual Studio Solution File, Format Version 12.00

# Visual Studio Version 17

VisualStudioVersion = 17.5.2.0

MinimumVisualStudioVersion = 10.0.40219.1

Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "MyFirstAPI", "MyFirstAPI.csproj", "{45F75552-7C1B-A03B-D43B-1129F270063E}"

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Release|Any CPU = Release|Any CPU

EndGlobalSection

GlobalSection(ProjectConfigurationPlatforms) = postSolution

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GlobalSection(SolutionProperties) = preSolution

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