

Swagger UI

Nugget Dependency

Install the Nugget package `Swashbuckle.AspNetCore` :

```
dotnet add Swashbuckle.AspNetCore
```

Enable XML Documentation Generation

In the `.csproj` file of your project, add the following tags as child of the `<project>` tag to enable XML comments generation :

```
<PropertyGroup>
  <GenerateDocumentationFile>true</GenerateDocumentationFile>
  <NoWarn>$(NoWarn);1591</NoWarn>
</PropertyGroup>
```

Configuration

In `Startup.ConfigureServices` :

```
services.AddSwaggerGen(options =>
{
    /// API Metadata
    options.SwaggerDoc("ExampleAppDocumentation", new OpenApiInfo()
    {
        Title = "Example API",
        Description = "Backend for Example App",
        Version = "1",
        Contact = new OpenApiContact()
        {
            Email = "john.shepard@7.al",
            Name = "John Shepard",
```

```

        Url = new Uri("https://arsenelapostolet.fr")
    },
    License = new OpenApiLicense()
    {
        Name = "MIT License",
        Url = new Uri("https://en.wikipedia.org/wiki/MIT_License")
    }
});
// Set the comments path for the Swagger JSON and UI.
var xmlFile = $"{Assembly.GetExecutingAssembly().GetName().Name}.xml";
var xmlPath = Path.Combine(AppContext.BaseDirectory, xmlFile);
options.IncludeXmlComments(xmlPath);

```

□□□□// Add support for JWT Auth in SwaggerUI

```

options.AddSecurityDefinition("Bearer", new OpenApiSecurityScheme
{
    Description = "JWT Bearer Authorization",
    Name = "Authorization",
    In = ParameterLocation.Header,
    Type = SecuritySchemeType.ApiKey,
    Scheme = "Bearer"
});
options.AddSecurityRequirement(new OpenApiSecurityRequirement()
{
    {
        new OpenApiSecurityScheme
        {
            Reference = new OpenApiReference
            {
                Type = ReferenceType.SecurityScheme,
                Id = "Bearer"
            },
            Scheme = "oauth2",
            Name = "Bearer",
            In = ParameterLocation.Header
        },
        new List<string>()
    }
});
});

```

In `Startup.Configure`, just after `app.UseHttpsRedirection();` :

```
app.UseSwagger();
app.UseSwaggerUI(options =>
{
    options.SwaggerEndpoint("/swagger/ExampleAppDocumentation/swagger.json",
"Example API");
    options.RoutePrefix = "";
});
```

That's it !

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