

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@n7.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 !

Revision #3

Created 23 January 2021 10:26:13 by Arsène Lapostolet

Updated 28 September 2022 20:37:39 by Arsène Lapostolet