Microsoft Learn Practice Note

# Web Api Security / Authorization

[ASP.NET Core web API documentation with Swagger / OpenAPI | Microsoft Learn](https://learn.microsoft.com/en-us/aspnet/core/tutorials/web-api-help-pages-using-swagger?view=aspnetcore-8.0)

[Generate tokens with dotnet user-jwts | Microsoft Learn](https://learn.microsoft.com/en-us/aspnet/core/security/authentication/jwt-authn?view=aspnetcore-8.0&tabs=windows)

* Create a local test token:

dotnet user-jwts create

* The generated token is in:

C:\Users\JLI\AppData\Roaming\Microsoft\UserSecrets\304b3bc6-d26f-4fa6-b4fa-fda5945a404e

Where “304b3bc6-d26f-4fa6-b4fa-fda5945a404e” is called UserSwcretsId and is generated by [User Secret Tool](https://learn.microsoft.com/en-us/aspnet/core/security/app-secrets?view=aspnetcore-8.0&tabs=windows)

* “dotnet user-jwts create” generates 2 files

A screenshot of a computer

Description automatically generated

* Secrets.json is the local Key/Value storing sensitive data like connection string and password etc. and is generated by “dotnet user-secrets init“
* User-jwts.json is the local jwts generated by “dotnet user-jwts create”
* Pass Jwt bearer token to get the Open Api specification

C:\Program Files\Microsoft Visual Studio\2022\Enterprise>curl -i -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1bmlxdWVfbmFtZSI6IkpMSSIsInN1YiI6IkpMSSIsImp0aSI6ImI4ZTk1NDY1IiwiYXVkIjpbImh0dHA6Ly9sb2NhbGhvc3Q6MTEwMDgiLCJodHRwczovL2xvY2FsaG9zdDo0NDMwMCIsImh0dHA6Ly9sb2NhbGhvc3Q6NTA3MSIsImh0dHBzOi8vbG9jYWxob3N0OjcxOTUiXSwibmJmIjoxNzAyMDcxMDEwLCJleHAiOjE3MDk5MzM0MTAsImlhdCI6MTcwMjA3MTAxMSwiaXNzIjoiZG90bmV0LXVzZXItand0cyJ9.Is9A5Tfmm3SNImOsQgninvEMFj\_4A7vXzTLZjpL64vM" http://localhost:5071/swagger/v1/swagger.json