**how to implement JWT Authentication in APS.NET Core Web API**

#1 Install Required Nuget Package

dotnet add package Microsoft.AspNetCore.Authentication.JwtBearer

**#2 Add JWT Settings**

"JwtSettings": {

"SecretKey": "ThisIsASecretKeyForJwtAuth",

"Issuer": "MyApiIssuer",

"Audience": "MyApiAudience",

"ExpiryMinutes": 60

}

public class JwtSettings

{

public string SecretKey { get; set; }

public string Issuer { get; set; }

public string Audience { get; set; }

public int ExpiryMinutes { get; set; }

}

using Microsoft.AspNetCore.Authentication.JwtBearer;

using Microsoft.IdentityModel.Tokens;

using System.Text;

var builder = WebApplication.CreateBuilder(args);

// Read settings

var jwtSettings = builder.Configuration.GetSection("JwtSettings").Get<JwtSettings>();

builder.Services.Configure<JwtSettings>(builder.Configuration.GetSection("JwtSettings"));

// Configure authentication

builder.Services.AddAuthentication(options =>

{

options.DefaultAuthenticateScheme = JwtBearerDefaults.AuthenticationScheme;

options.DefaultChallengeScheme = JwtBearerDefaults.AuthenticationScheme;

})

.AddJwtBearer(options =>

{

options.TokenValidationParameters = new TokenValidationParameters

{

ValidateIssuer = true,

ValidateAudience = true,

ValidateLifetime = true,

ValidateIssuerSigningKey = true,

ValidIssuer = jwtSettings.Issuer,

ValidAudience = jwtSettings.Audience,

IssuerSigningKey = new SymmetricSecurityKey(Encoding.UTF8.GetBytes(jwtSettings.SecretKey))

};

});

builder.Services.AddAuthorization();

builder.Services.AddControllers();

var app = builder.Build();

app.UseAuthentication(); // Add authentication middleware

app.UseAuthorization();

app.MapControllers();

app.Run();

using Microsoft.AspNetCore.Authorization;

using Microsoft.AspNetCore.Mvc;

[ApiController]

[Route("api/[controller]")]

public class SecureController : ControllerBase

{

[HttpGet]

[Authorize]

public IActionResult GetSecret()

{

return Ok(" This is a protected resource!");

}

}

{

"username": "admin",

"password": "1234"

}