Data Protection Api

using System;

using System.Collections.Generic;

using System.IO;

using System.Linq;

using System.Threading.Tasks;

using Microsoft.AspNetCore.Hosting;

using Microsoft.AspNetCore.DataProtection;

using Microsoft.Extensions.DependencyInjection;

using System.Diagnostics;

namespace FBAuthDemo

{

public class Program

{

public static void Main(string[] args)

{

// add data protection services

var serviceCollection = new ServiceCollection();

serviceCollection.AddDataProtection();

var services = serviceCollection.BuildServiceProvider();

// create an instance of MyClass using the service provider

var instance = ActivatorUtilities.CreateInstance<MyClass>(services);

System.Diagnostics.Debug.WriteLine("Hello");

instance.RunSample();

var host = new WebHostBuilder()

.UseKestrel()

.UseContentRoot(Directory.GetCurrentDirectory())

.UseIISIntegration()

.UseStartup<Startup>()

.Build();

host.Run();

}

public class MyClass

{

IDataProtector \_protector;

// the 'provider' parameter is provided by DI

public MyClass(IDataProtectionProvider provider)

{

\_protector = provider.CreateProtector("Contoso.MyClass.v1");

}

public void RunSample()

{

Debug.Write("Enter input: ");

string input = "My Name is Srini Iyer";

// protect the payload

string protectedPayload = \_protector.Protect(input);

Debug.WriteLine($"Protect returned: {protectedPayload}");

// unprotect the payload

string unprotectedPayload = \_protector.Unprotect(protectedPayload);

Debug.WriteLine($"Unprotect returned: {unprotectedPayload}");

}

}

}

}