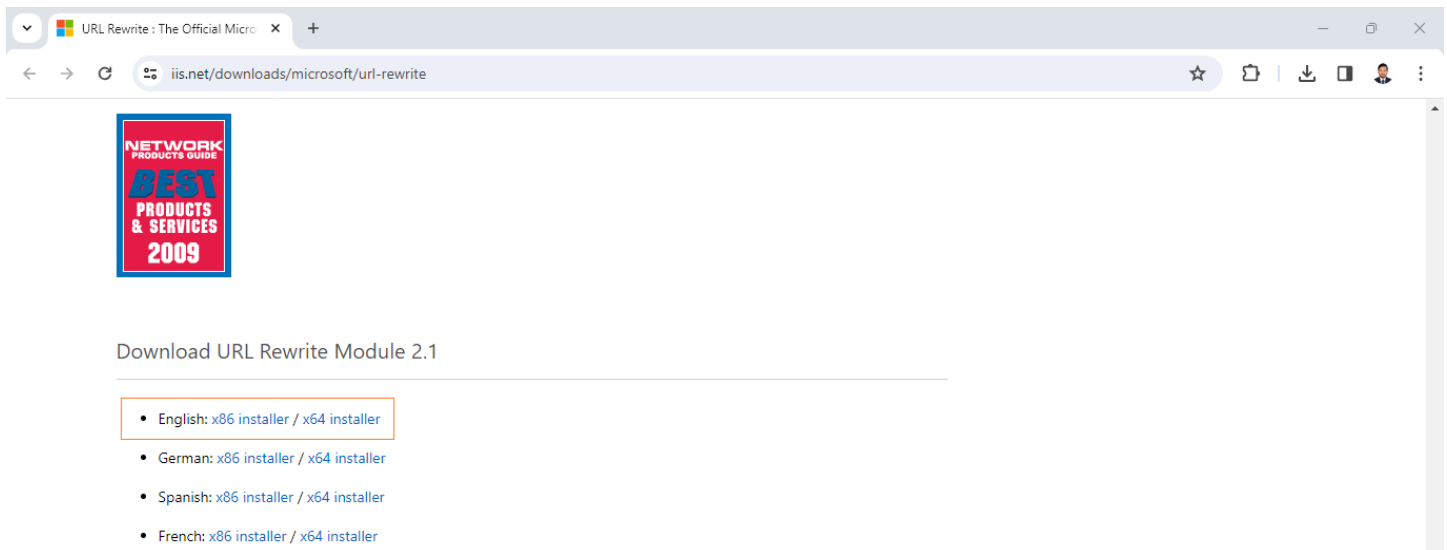# Publish Angular & ASP .NET Core API

Requirements

- Install **Internet Information Services (IIS) Manager**
  with the **Turn Windows Features on or off** - check the Internet Information Services and Internet Information Services Hostable Web Core

- https://www.iis.net/downloads/microsoft/url-rewrite go to link and download the **rewrite_amd64_en-US** and install

- https://dotnet.microsoft.com/en-us/download/dotnet go to link and download your .Net Version Hosting bundle and install

- Open **Internet Information Services (IIS) Manager** with the search bar
- Right Click on **Sites** and click the Add Website
- Set a **Site name**
- Select a **Physical path**
- Set a **Port**
- If you do not want to start website immediately, uncheck the **start website immediately**
- Click **OK**

- Build your project with **ng build** command in your command prompt.
- Right click on the **dist** folder and click the **Reveal in File Explorer.**
- Open the **dist** folder.
- **Copy all** files & folders.
- Open the **Physical path** and **Paste** files folders.
- **Copy** the **web.config** file and **Paste** in the Physical path.

- Go to **IIS**
- Click **Application Pools > Site name**
- Right click the **Site name**
- Go to the **Advanced Settings > Identity > LocalSystem**
- Click the website name
- Click the **start** in the right sidebar
- Click the **Browse website** or Paste the link in the search bar in any browser.
- Remember that the Application is stopped in your visual studio code or any IDE

web.config

```xml
<?xml version="1.0" encoding="utf-8"?>
<configuration>

<system.webServer>
  <rewrite>
    <rules>
      <rule name="Angular Routes" stopProcessing="true">
        <match url=".*" />
        <conditions logicalGrouping="MatchAll">
          <add input="{REQUEST_FILENAME}" matchType="IsFile" negate="true" />
          <add input="{REQUEST_FILENAME}" matchType="IsDirectory" negate="true" />
        </conditions>
        <action type="Rewrite" url="index.html" />
      </rule>
    </rules>
  </rewrite>
</system.webServer>

</configuration>
```

- Build your solution
- Right click your **root** project and click **Pulish**
- Click **Add a publish profile > Folder > Next**
- Browse your **Folder Location > Finish**
- Click **Show all settings**
- Set Target Runtime **win-X64**
- Click **Entity Framework Migrations** and set their connection strings
- Click **SAVE**
- Click **Publish**
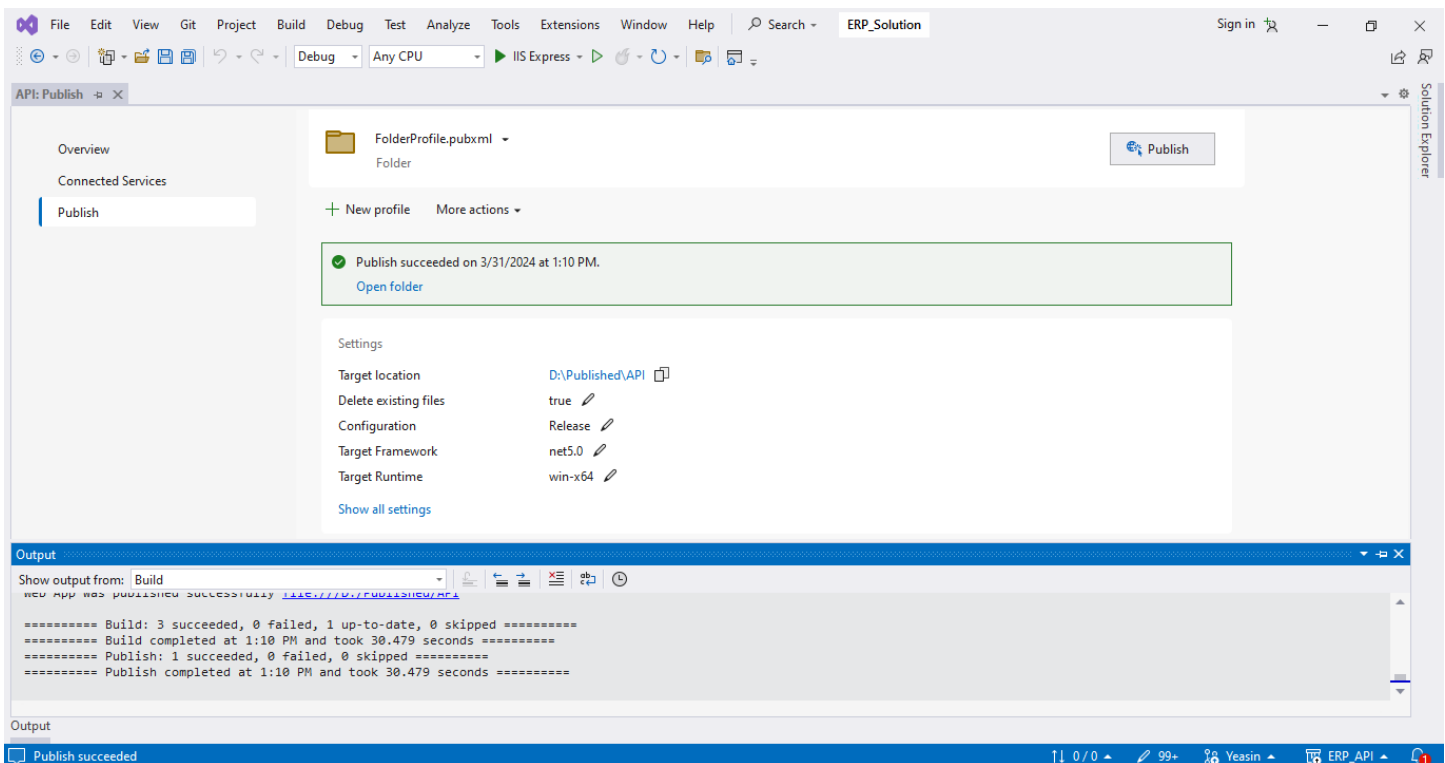
- Open **Internet Information Services (IIS) Manager** with the search bar
- Right Click on **Sites** and click the Add Website
- Set a **Site name**
- Select a **Physical path**
- Set a **Port**
- If you do not want to start website immediately, uncheck the **start website immediately**
- Click **OK**
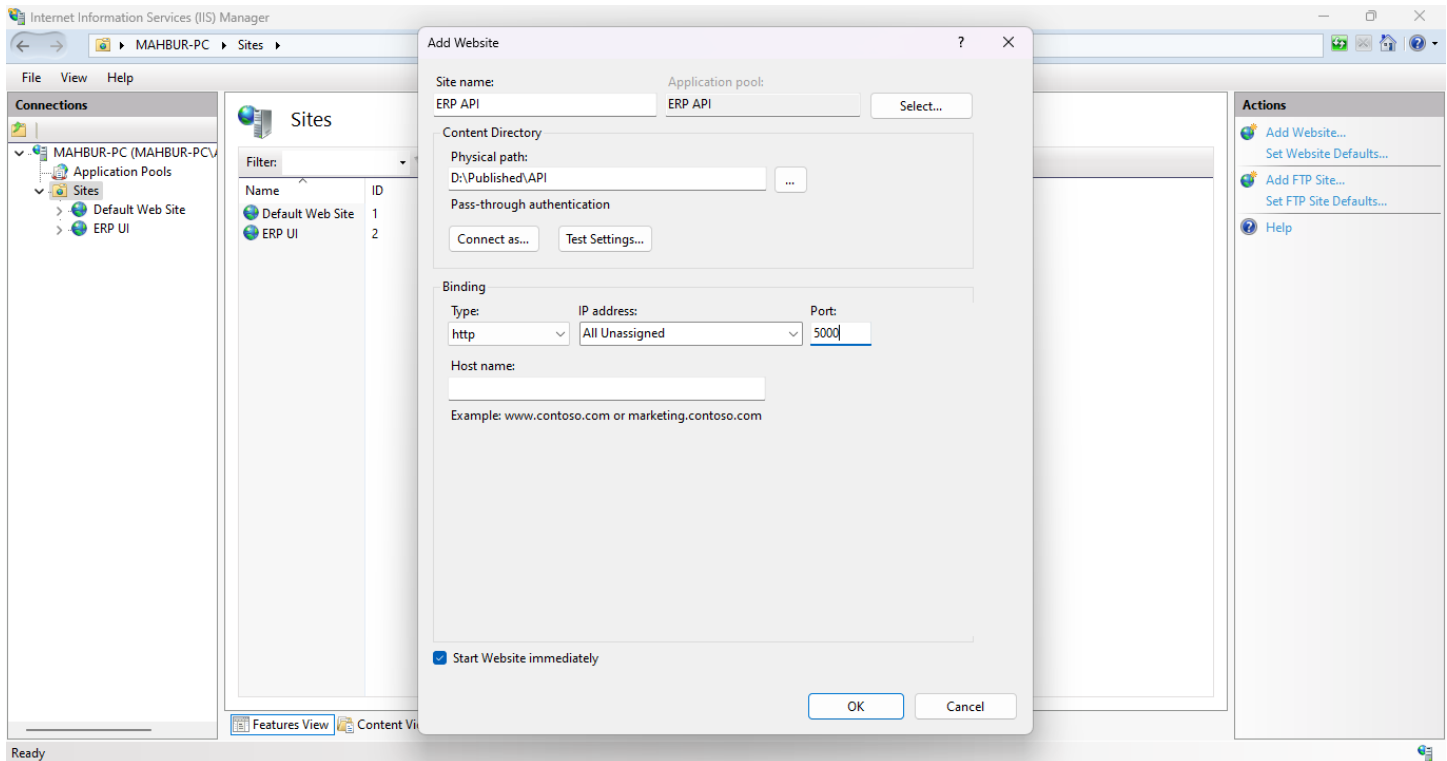
- Open the **web.config** file in the publish folder
- **Update** the web.config file with those code

web.config

```xml
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <location path="." inheritInChildApplications="false">
    <system.webServer>
      <handlers>
        <add name="aspNetCore" path="*" verb="*" modules="AspNetCoreModuleV2"
resourceType="Unspecified" />
      </handlers>
      <aspNetCore processPath=".\API.exe" stdoutLogEnabled="false" stdoutLogFile=".\logs\stdout"
hostingModel="inprocess">
                <environmentVariables>
                    <environmentVariable name="ASPNETCORE_ENVIRONMENT" value="Development" />
                </environmentVariables>
            </aspNetCore>
    </system.webServer>
  </location>
</configuration>
```

- Click the Site name
- Open the **Configuration Editor**
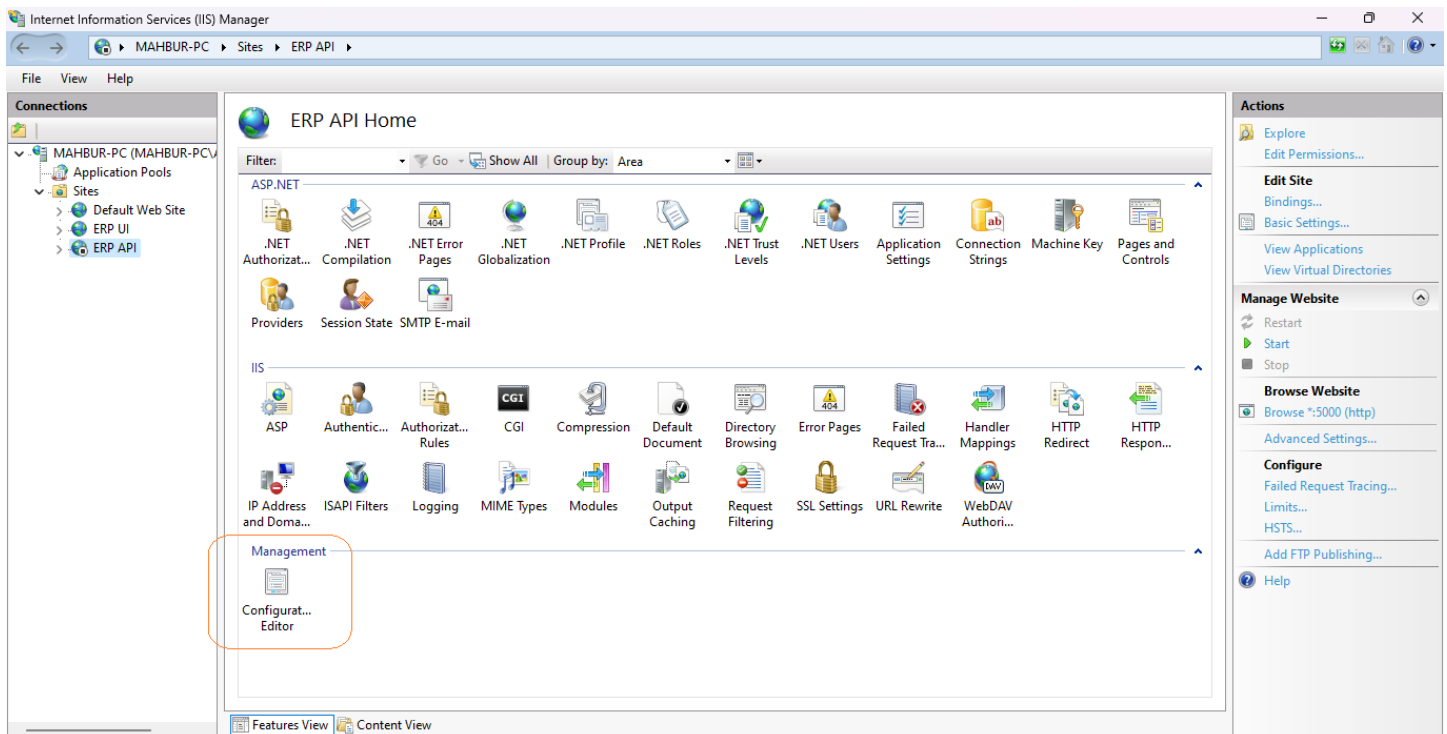
- Click the **three dots** of the **Deepest Path**
- Click **Add** in the Collection
- Add **key** and **value** with follow the **web.config** file
  the name="ASPNETCORE_ENVIRONMENT" is the key and the value="Development" is the value

- Click **Apply**

- Click **Application Pools > Site name**
- Right click the **Site name**
- Go to the **Advanced Settings > Identity > LocalSystem**
- Click the website name
- Click the **start** in the right sidebar
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