

IIS Deployment Guide for Angular Application

1. Prerequisites

Before deploying, ensure you have:

- Windows Server with IIS Installed
- Node.js 22.14 (Latest Stable) via NVM
- Angular 19 (Latest Stable)
- IIS URL Rewrite Module installed

2. Configure API Base Path in environment.ts

Angular needs to know the backend API URL before building. Update environment.ts:

```
export const environment = {  
  BASE_PATH: '<Your-IIS-API-Server-Base-Path-Here>',  
};
```

3. Install Dependencies and Build the Angular App

- Open a terminal inside the Angular project directory.
- Run `npm install` to install dependencies.
- Build the project: `ng build --configuration=production`.

4. Deploy the Angular App to IIS

- Copy `dist/your-app-name/` to `C:\inetpub\wwwroot\your-angular-app`.
- Configure IIS to serve the site.

5. Enable URL Rewrite for Angular Routing

Create a `web.config` file in `C:\inetpub\wwwroot\your-angular-app`:

```
<?xml version="1.0" encoding="utf-8"?>  
<configuration>  
  <system.webServer>  
    <rewrite>  
      <rules>  
        <rule name="Angular Routes" stopProcessing="true">  
          <match url=".*" />  
          <conditions>
```

```
<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>
```

6. Best Practices for IIS Hosting

- Enable Compression in IIS
- Use HTTPS with a valid SSL certificate
- Set up a Reverse Proxy if serving frontend & backend together
- Monitor IIS Logs (C:\inetpub\logs\LogFiles)

Your Angular app is now successfully deployed to IIS!