Quick start

Developer docs.

# .NET structure changes

## .NET

1. Create QA / PROD env. inside .NET, update Properties/launchSettings.json, important:
   1. Environment name is CASE-SENSITIVE in angular
   2. And case-insensitive in .NET
2. Add Directory.Build.props to the top directory
3. Alter Startup.cs
   1. adjust how SPA run / building will be handled by .NET
   2. move some const to the top
4. Alter the \*.csproj so the SPA build / run process accepts and uses environment settings, we need to swap out: <Target Name="PublishRunWebpack" AfterTargets="ComputeFilesToPublish"> to:

<Target Name="PublishRunWebpack" AfterTargets="ComputeFilesToPublish">

<!-- As part of publishing, ensure the JS resources are freshly built in production mode -->

<Exec WorkingDirectory="$(SpaRoot)" Command="npm install" />

<Exec WorkingDirectory="$(SpaRoot)" Command="npm run build -- **--configuration $(EnvironmentName)**" />

<Exec WorkingDirectory="$(SpaRoot)" Command="npm run build:ssr -- **--configuration $(EnvironmentName)**" Condition=" '$(BuildServerSideRenderer)' == 'true' " />

<!-- Include the newly-built files in the publish output -->

<ItemGroup>

<DistFiles Include="$(SpaRoot)dist\\*\*; $(SpaRoot)dist-server\\*\*" />

<DistFiles Include="$(SpaRoot)node\_modules\\*\*" Condition="'$(BuildServerSideRenderer)' == 'true'" />

**<ResolvedFileToPublish Include="@(DistFiles->'%(FullPath)')" Exclude="@(ResolvedFileToPublish)">**

**<!--**

**The original line below works only if the front-end (SPA) is inside the main project folder (default .NET SPA scaffold).**

**To allow folders outside, we searched and found a solution here: https://www.codeofclimber.ru/2020/publishing-aspnetcore-app-web-application-with-frontend-monorepo-static-assets/**

**<RelativePath>%(DistFiles.Identity)</RelativePath>**

**-->**

**<RelativePath>spa-client/$([MSBuild]::MakeRelative($(MSBuildThisFileDirectory)$(SpaRoot)dist, %(DistFiles.FullPath)))</RelativePath>**

**<CopyToPublishDirectory>PreserveNewest</CopyToPublishDirectory>**

**<ExcludeFromSingleFile>true</ExcludeFromSingleFile>**

**</ResolvedFileToPublish>**

</ItemGroup>

</Target>

## Angular

1. Move the ClientApp to a separate folder (we will run Angular app separately from VSCode – faster dev. process)
2. …continuing…