## WebAPI application

Create an asp.net core WebAPI application

Set its localhost port to 2010, This is the port you'll use to access the web API controllers when testing in development

Add a folder with the name wwwroot. This is where you will put the angular runtime files

Modify the setup.cs file so the project will serve up default html files from the wwwroot. But, this will not happen on startup.

app.UseDefaultFiles();

app.UseStaticFiles();

## Angular Web Application

Create an Angular application using the Angular CLI

Modify the Environment files:

environment.dev.ts: const remoteDevServer = 'http://localhost:2010';

environment.prod.ts: const remoteProdServer = location.origin;

After debug in development, build the angular app using the production flag

This will build all of the static files and place them the dist folder.

Copy these files from the dist folder to the wwwroot folder of the WebAPI project

## WebAPI application (again)

Run the following command to create a .Net Core Publish folder: dotnet publish. This command will create a folder that will contain all of the files necessary to be deployed to the Azure web app

C:\ProMatrix.2\angular.fire.studio.10.02\studio.app\dotnetcore\bin\Debug\netcoreapp3.1\publish

The publish folder is the one to get zip deployed

## Azure Web App

Create a resource group RC-1 using the **FREE** hosting plan

Create an Azure web application and title it in ngx-studio

## Visual Studio code

Add the PowerShell extension to VSCode.

## Azure PowerShell

Windows Search “PowerShell”

Run as Administrator

PS C:\WINDOWS\system32> Install-Module -Name Az -AllowClobber

## Scripts

Running these script automates the deployment process.

**ngdotnet:**

px:updateVersions

ng:build:prod

px:sync2prod

**dotnetcore:**

dotnet:publish

dotnet:deploy This is the script that does the deployment and took a week to figure out.

deploy.ps1 is for reference only

## References

Shows how to create a resource group on Azure (a little old)  
<https://www.youtube.com/watch?v=EIQ_6vrFQsQ&t=1139s>

Good overview of PowerShell  
<https://www.youtube.com/watch?v=LbGNQVbb_VI&t=983s>

More on PowerShell  
<https://www.youtube.com/channel/UCdmEIMC3LBil4o0tjaTbj0w>

Shows how to create a folder on Azure  
<https://stackoverflow.com/questions/59755519/use-powershell-to-publish-to-a-webapp-virtual-directory>

Shows how to get to the Kudo dashboard. Try searching for Kudo, and you get Advanced Tools  
<https://www.jamessturtevant.com/posts/How-to-add-edit-and-remove-files-in-your-azure-webapp-using-the-kudu-service-dashboard/>