Installation Document For

WeatherApplicationProject

This guide will show one process to take the source code of the WeatherApplicationProject and install it into a production environment. This guide assumes you have the source code for the project as delivered via a zip file or project folder.

Visual Studio

This project was written in visual studio. You will need this program to follow this tutorial. Here is a link for that <https://visualstudio.microsoft.com/downloads/>. I used the free community edition. Once downloaded and installed in the Visual Studio install also make sure to install the ASP.NET and Azure workloads. You can do this by clicking the modify button next to the instance of visual studio in the installer.

After this you can import the WeatherApplicationProject into your visual studio instance. You can do this by clicking the import project button in the project selector and then navigating to the WeatherApplicationProject.sln file and clicking import.

Project Configuration

There isn’t much project configuration required but there is one important thing that needs to be added. Its dangerous to let others use my email for SMTP services so you will have to add your own.

Setup Auto Email

For the auto email to work you need to connect the application to an SMTP server. To do this open the appsettings.json file set the "smtpUser" setting to the email you would like to use as an SMPT host and set the "smtpPassword" to that emails password.

Any SMTP enabled service will do but there is an easy option in that gmail accounts automatically come with SMTP support. To use this set the "smtpUser" to your gmail account (eg “[xxxx@gmail.com](mailto:xxxx@gmail.com)”) and set "smtpPassword"to your gmail accounts password. Note that this might not work with modern gmail accounts due to the two factor authentication. There is a work around that will allow this to work anyway. You will need to generate an app password and use that instead of your google account password. I will detail this work around below:

1) In your google account go to the “Account” App. It should be at the top of the list of google apps listed in the 9 dot square near your user icon at the top of the google account page. You have to be logged in to your account see this.

2)Then in the left menu click security. It should be the fourth option down in the left menu.

3) In the centre list of options enable the 2-step verification if it isn’t already enabled. Its the top option in the “How you sign in to Google” section.

4)in the search bar search for “App Password”. That option should appear in the search. Click on it. This will send you to the “App Password” application.

5) in the box in the middle of the screen click on the “select app” drop down and select an app and select an app type. I selected “other” and then entered a name manually. Then click generate.

6) A new window will appear with a new password highlighted in orange. Select and copy that password, copy it and set the “smtpPassword” as that value. The email feature should now work.

Upload to Github

This tutorial assumes you already have a github account. If not please create one. We are going to upload the code to github so we have access to it via our content integration pipeline.

Please note aswell if for some reason you do not have the source code for this project I also uploaded it to a public repository at <https://github.com/lordogoo/WeatherApplicationProject>

1) In visual studio click the Add to Source Control option at the bottom right and then select git. A dialog will pop up.

2) Sign into your github account if you haven’t already.

3) Give the repository a name and a description.

4) Lastly click the “create pull request” button to upload the project.

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