Home / Azure / Guided Lab / Working with Azure Web App Logging Features

Working with Azure Web App Logging Features

Level: **Intermediate**

Azure Web Apps

English

0h 57m 58s left

15 MIN

End Lab

Open Console

Validation

Lab Credentials

User Name

labuser_80425_12187745@instructorwhizlabs.onmicrosoft.com

Password

!%e052tK#Ph*qXx

WHIZLABS

Lab Resources

No Lab Resources Found

Support Documents

No Support Documents Found

Need help?

How to use Hands on Lab

Troubleshooting Lab

FAQs

Submit Feedback | Share

Lab Overview | Lab Steps | Lab Validation

Azure Administrator Associate, DevOps Engineer Expert

Compute

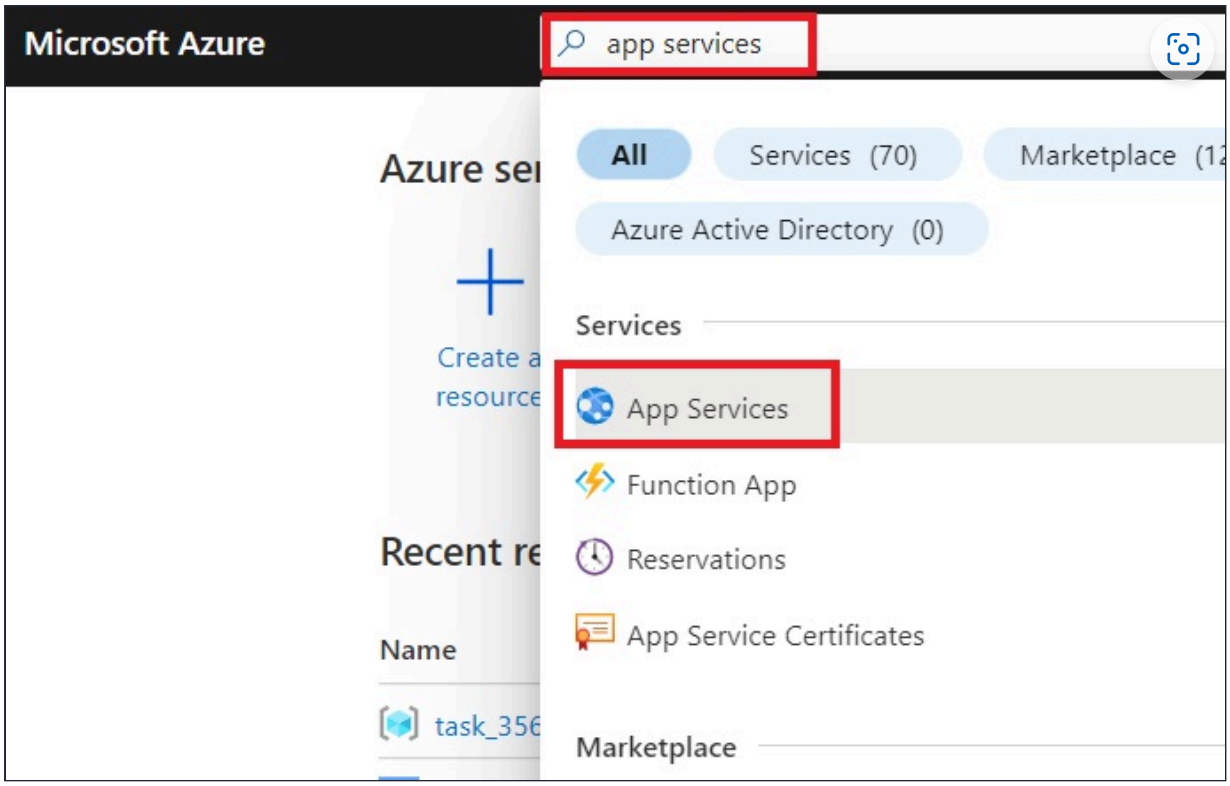
Lab Steps

Task 1: Sign in to Azure Portal

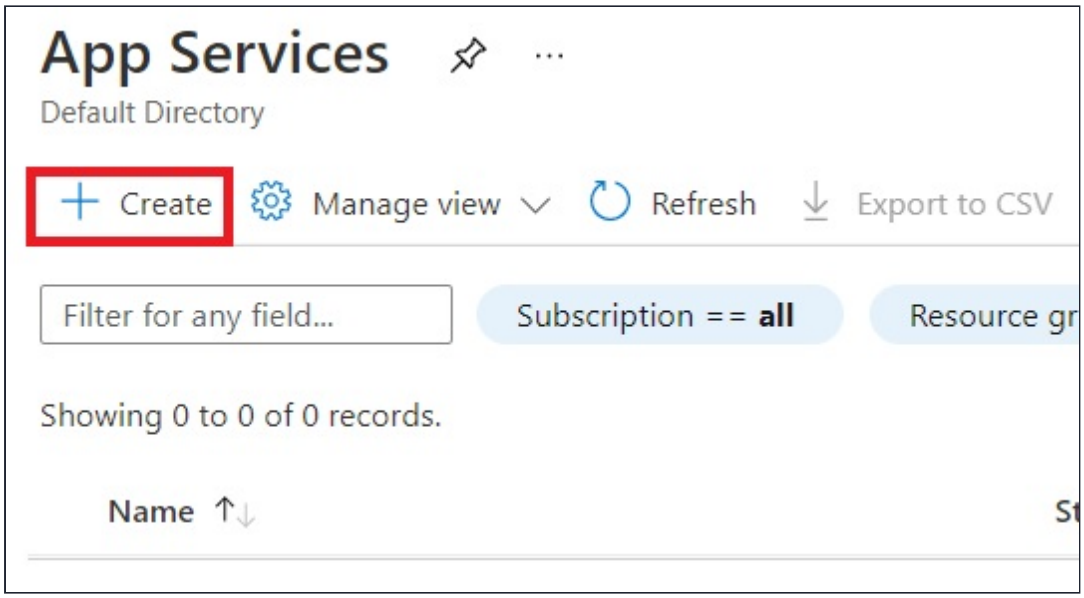
1. Go to the Azure portal by clicking on the **Open console** button or by using URL https://portal.azure.com.
    - **Note**: It is recommended to use incognito mode to avoid Azure portal cache related issues.
2. If it automatically logs into any other azure account, please logout of it and clear cache.
3. Sign in with your given ***username*** and ***password*** on Azure portal.
4. If login is not working. Click on the **End lab** and start the lab again.

Task 2: Create a Web App

1. In the search box at the top of the Azure portal, enter **App services**. Select **App services** from the search results.



2. Click on **+ Create** button.

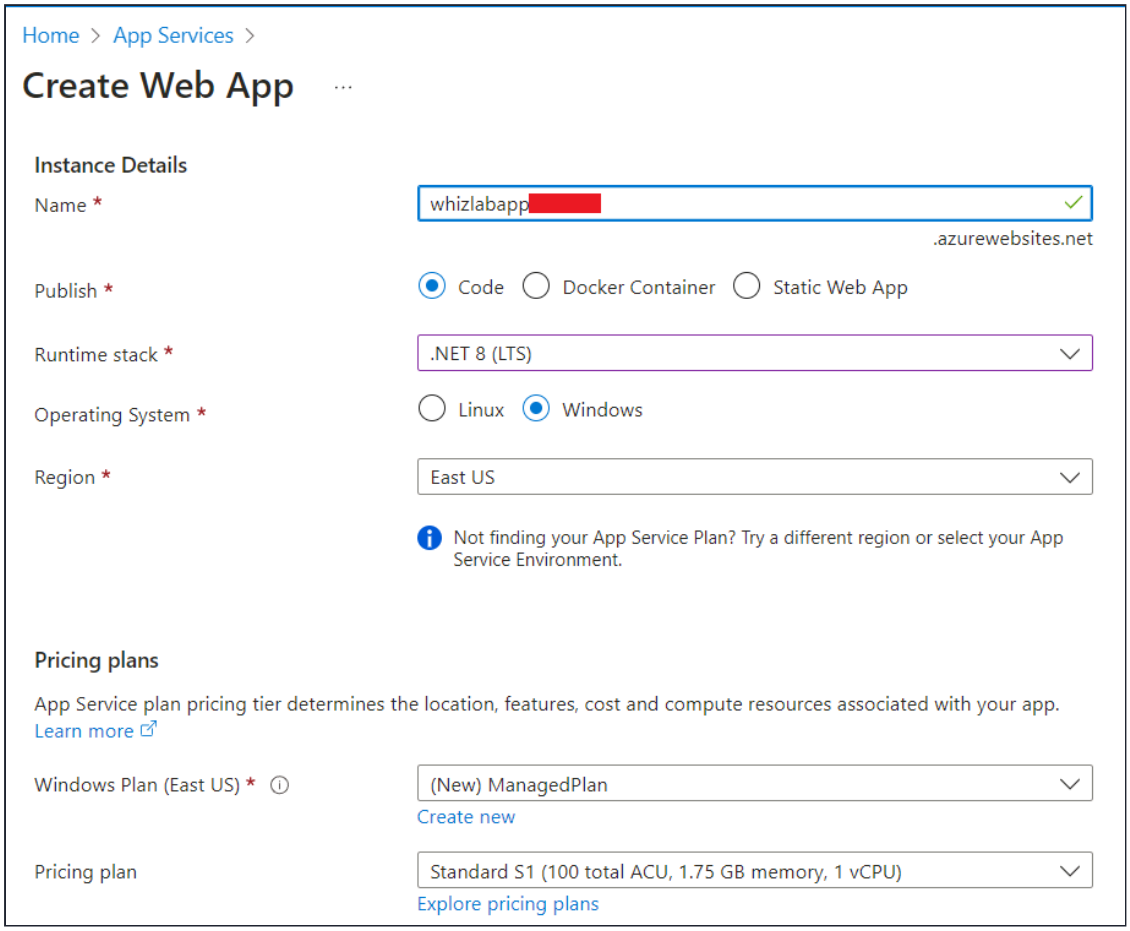


3. In the **Create Web App** section, enter the following values in the Basics tab.

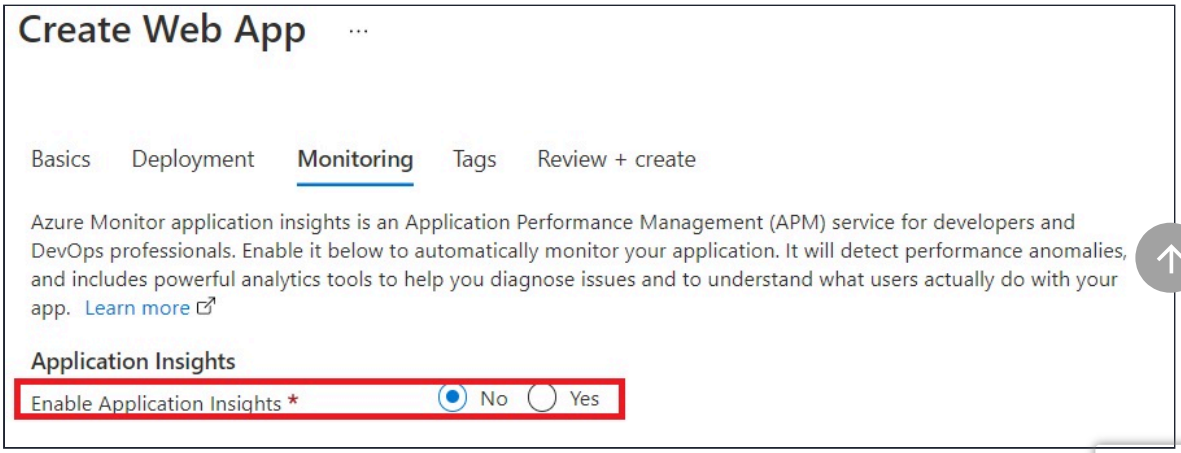
- Resource group : Select **rg_eastus_XXXXX**
- Instance details :
  - Name : Enter ***whizlabapp[your name]***
  - Publish : Select **Code**
  - Runtime stack : Select **.NET 8 (LTS)**
  - Operating system : Select **Windows**

- Region : Select **East US**

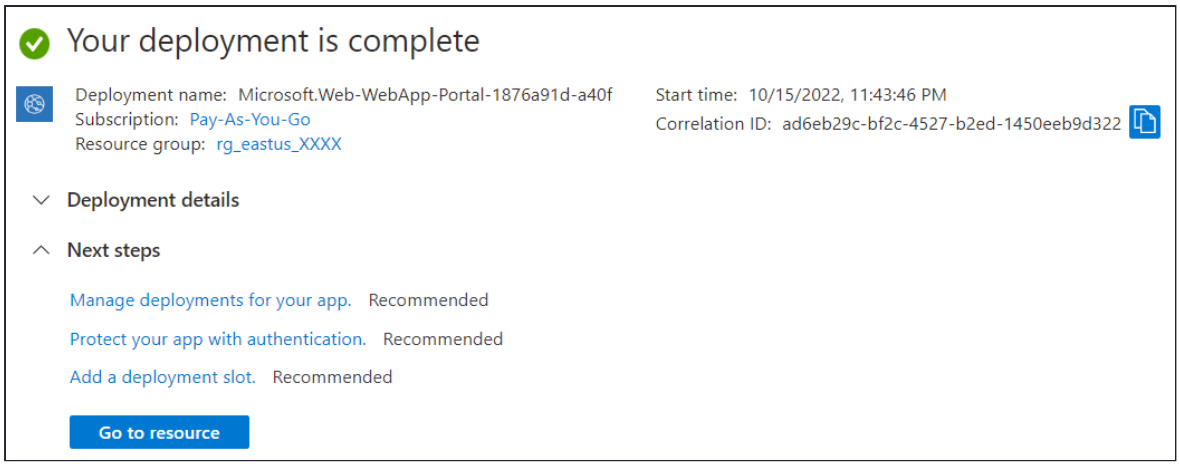
- App service plan :
  - Click on **Create new**
  - Windows Plan : Enter ***ManagedPlan***
  - Click on **OK**.



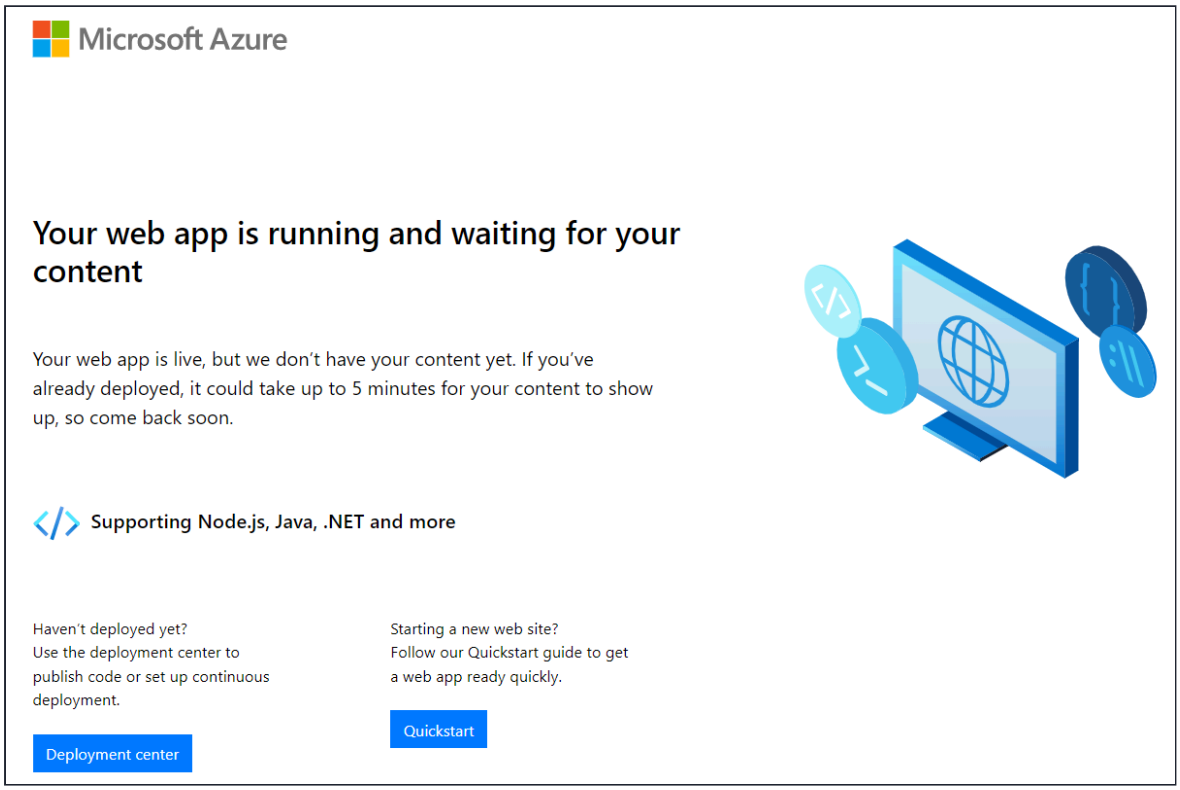
4. Click on **Next:Deployment** , leave all the settings as default and select **Next: Monitoring**. On the Monitoring tab, in the **Enable Application Insights** section, select **No**, and then select **Review + create** and click on **Create**.



5. Now, your web app will be deployed after a few minutes.

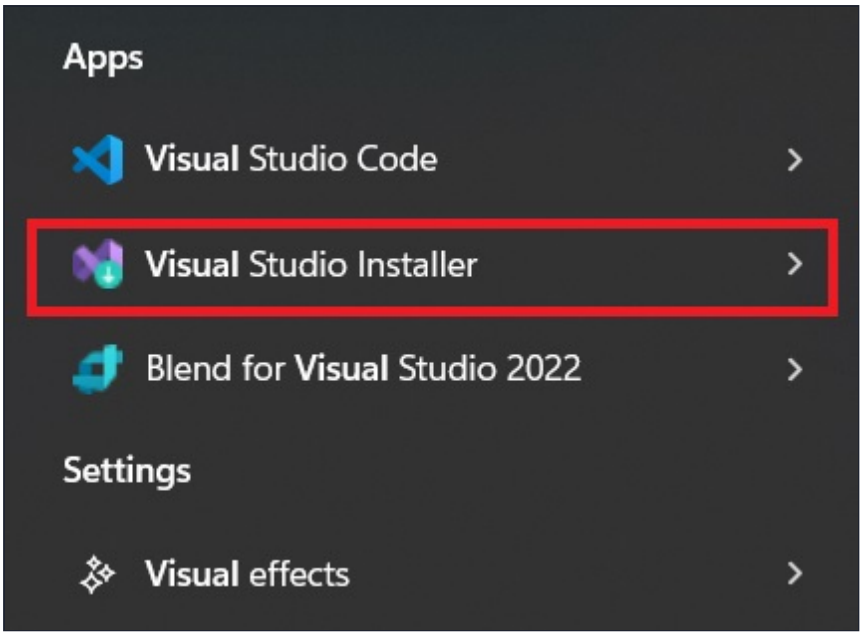


6. Now, click on **Go to resource** and on the overview page of your web app, copy the **URL** given and paste it on your respective browser. You will see the below page displayed.

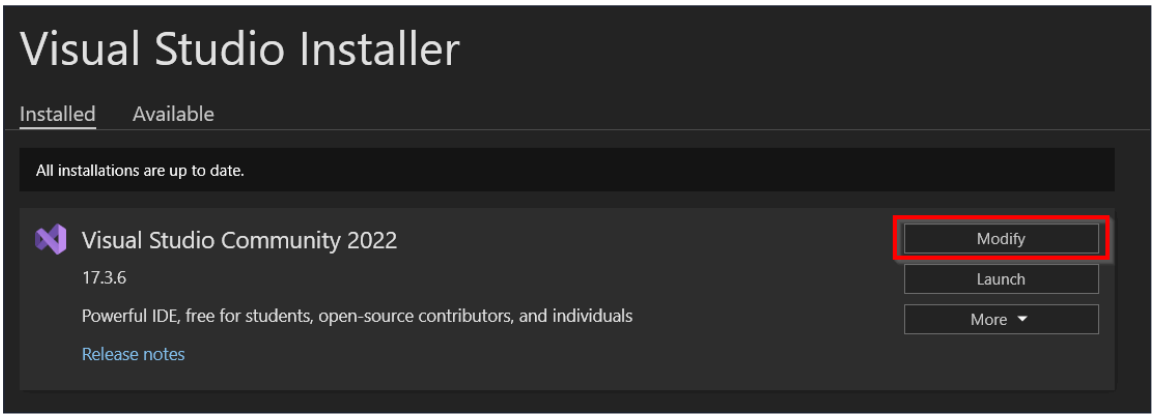


Task 3: Publishing code to Azure Web App

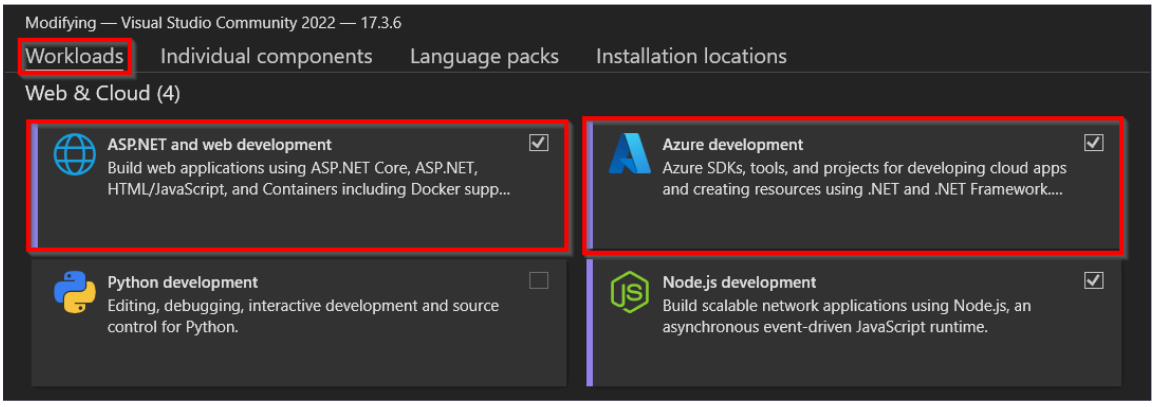
1. Make sure that you have downloaded Visual Studio on your local computer. Now, in the search bar of your local computer, search for **Visual Studio Installer** and open it.



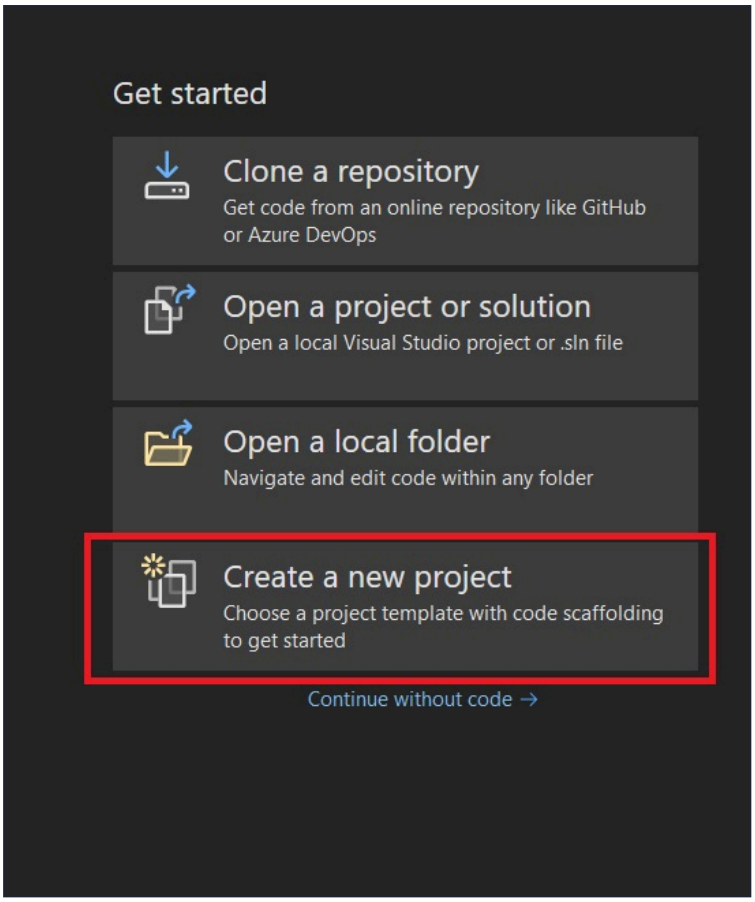
2. Once the Installer page opens, click on **Modify**.



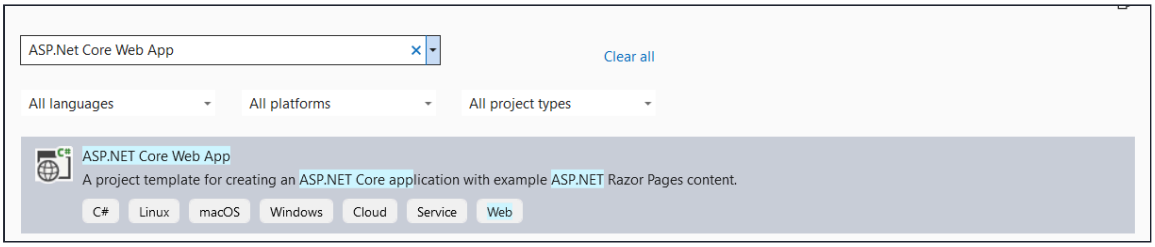
3. Make sure that you select these core components (ASP.NET and web development, Azure development) and then click on **Modify**. The Visual Studio Installer will be modified in a few minutes.



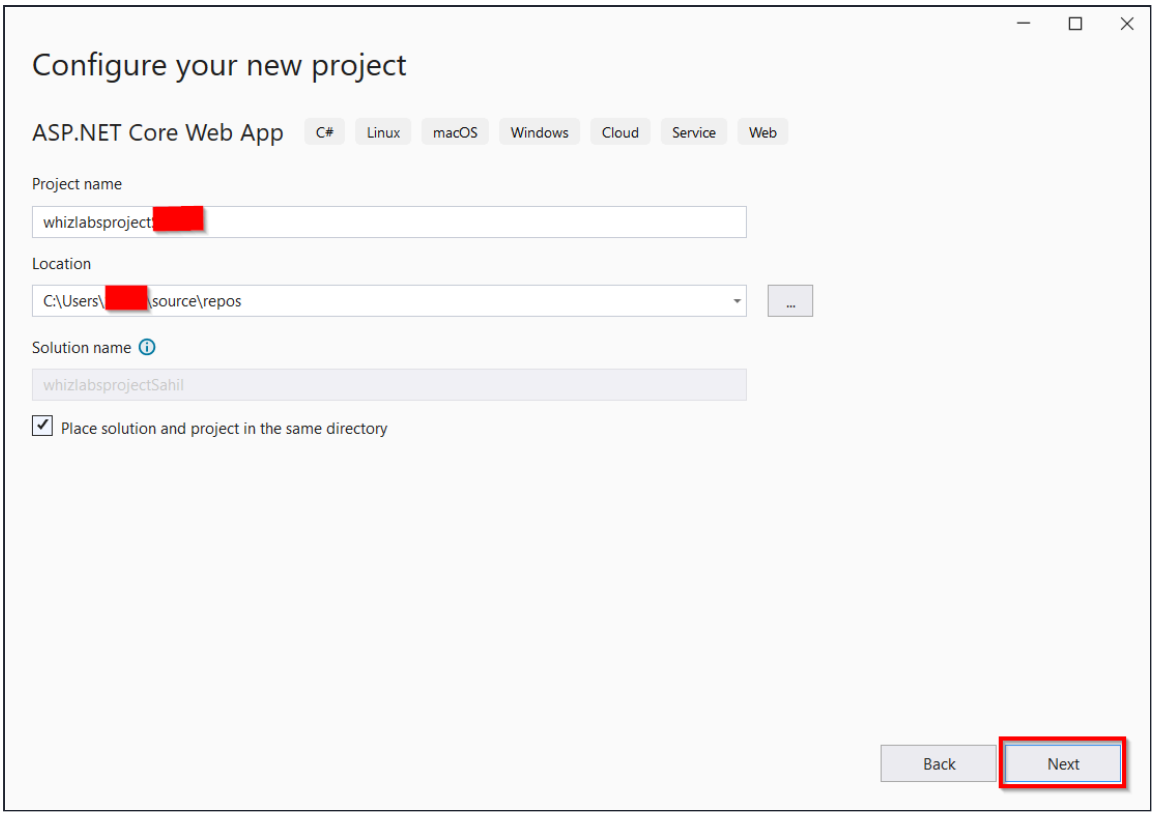
4. Now, open your Visual Studio and click on **Create a new project**.



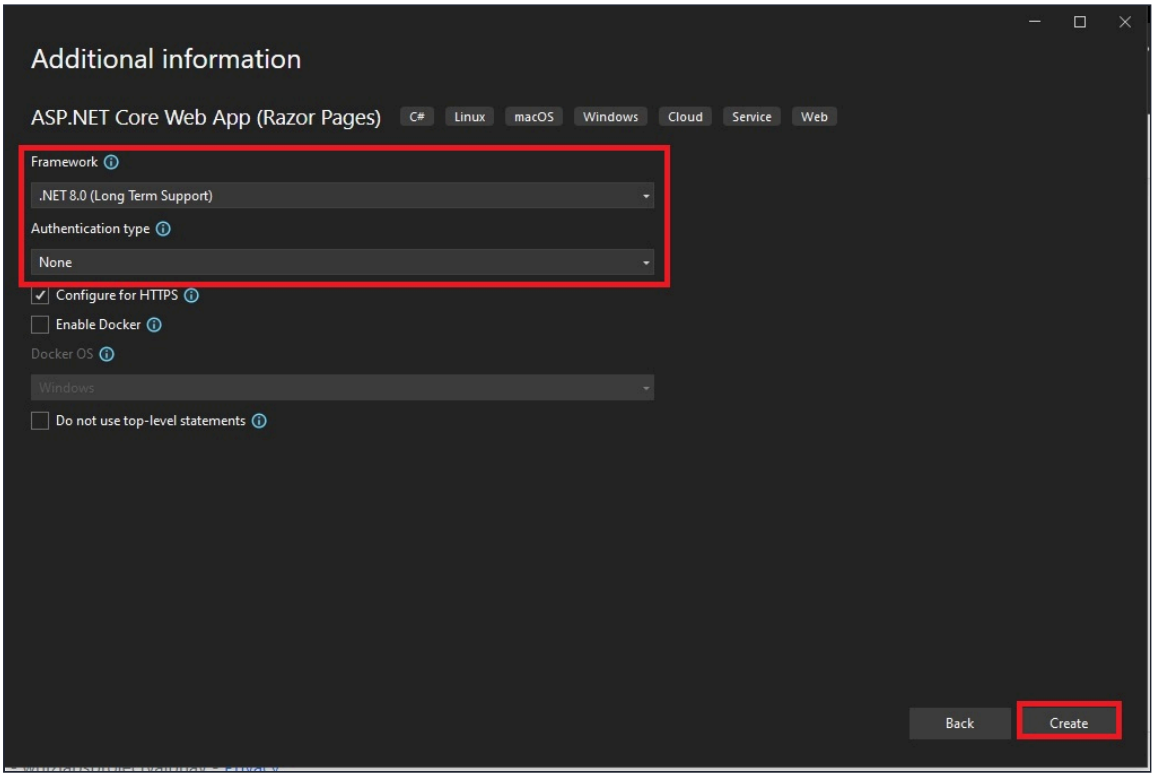
5. Now, search for and select the **ASP.NET Core Web App** template, then click on **Next**.



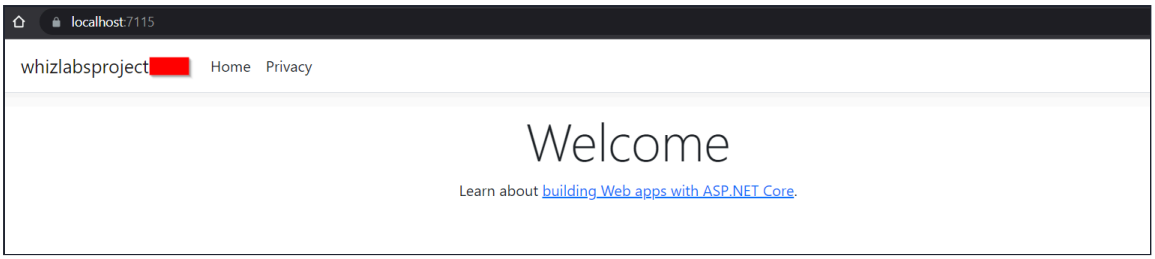
6. On the **Configure your new project** tab, name the application ***whizlabsproject[your name]*** and then select **Next**.



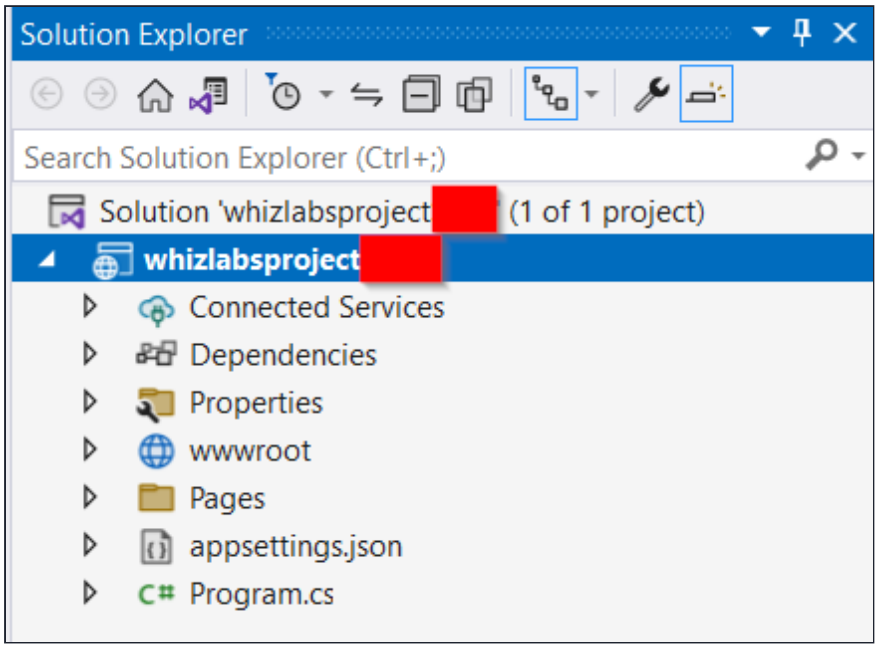
7. On the **Additional information** page, Select **.NET 8.0 (Long-term-support)** and make sure that **Authentication type** is set to **None** and then click on **Create**.



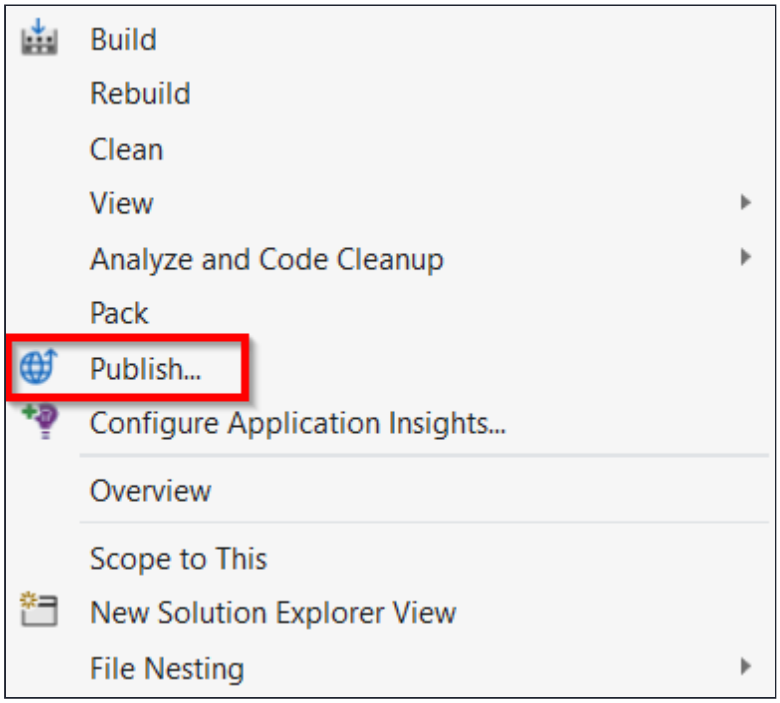
8. Now, From the Visual Studio menu, select **Debug > Start without debugging** to run the web app locally.



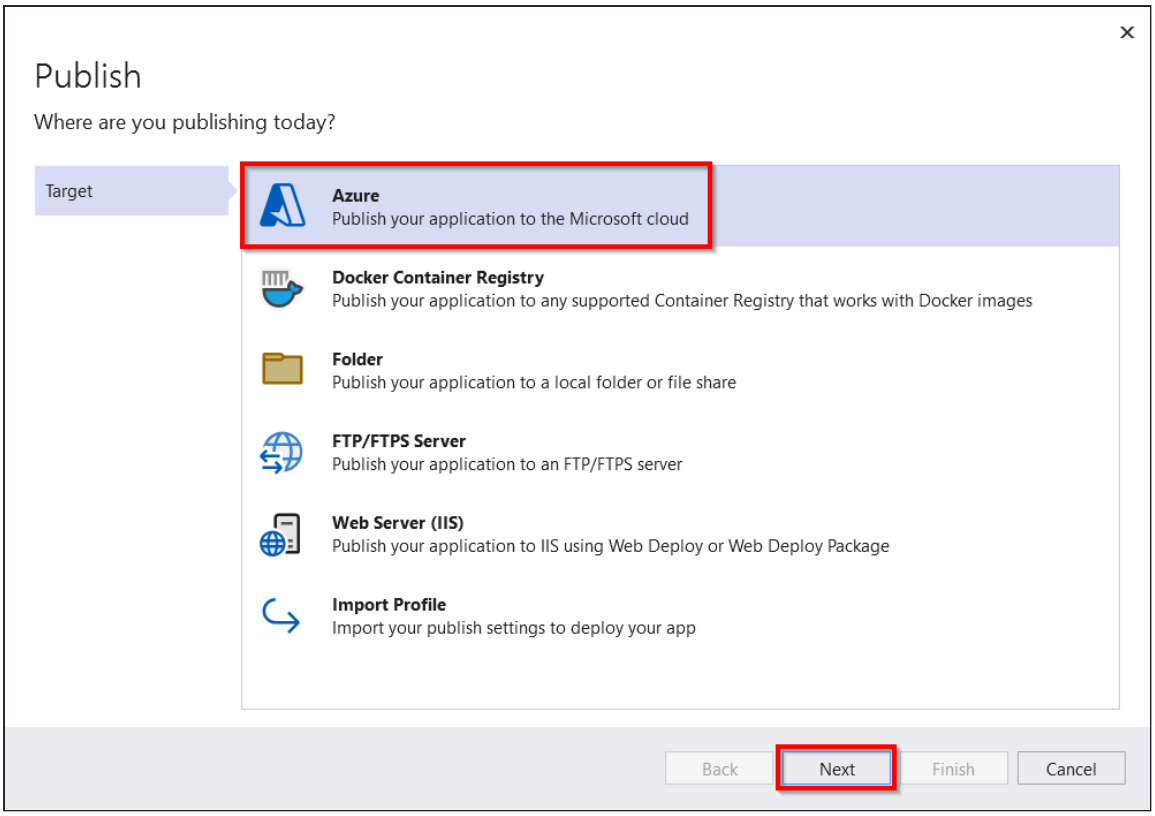
9. Now, go back to your Visual Studio and under **Solution Explorer**, select your project and right click on it.



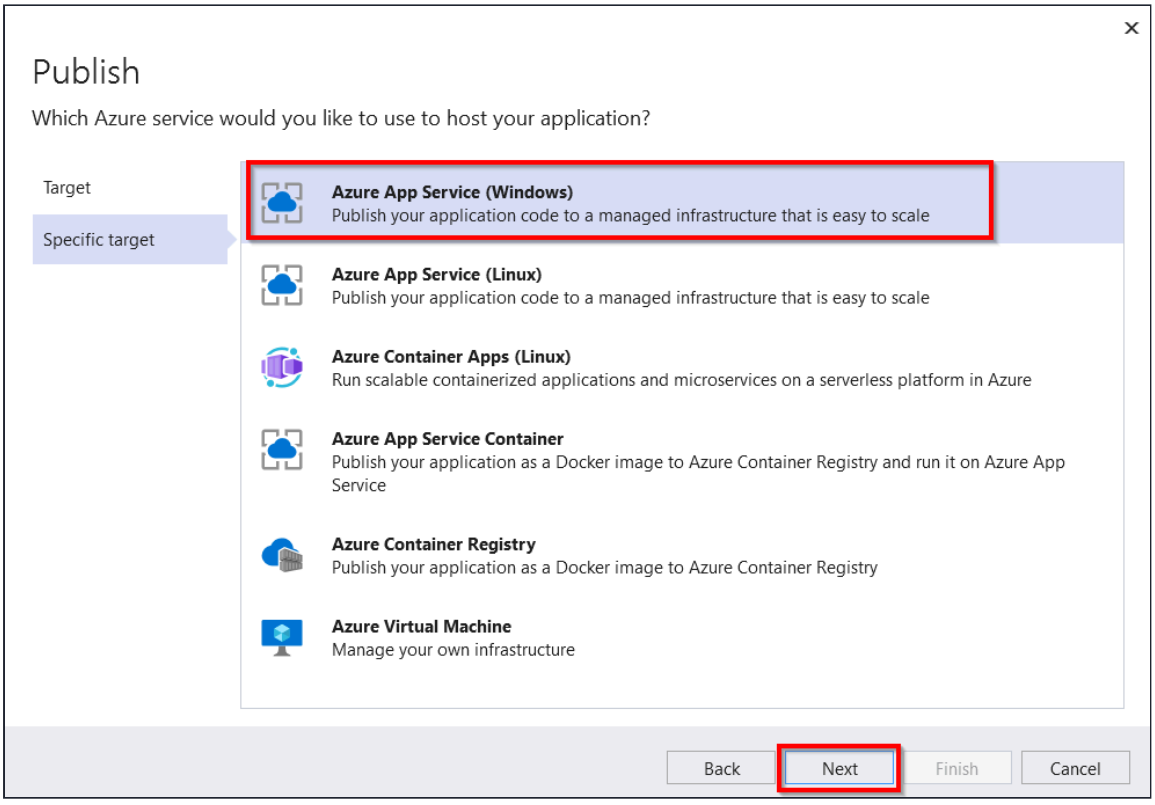
10. From the dropdown menu, select **Publish**.



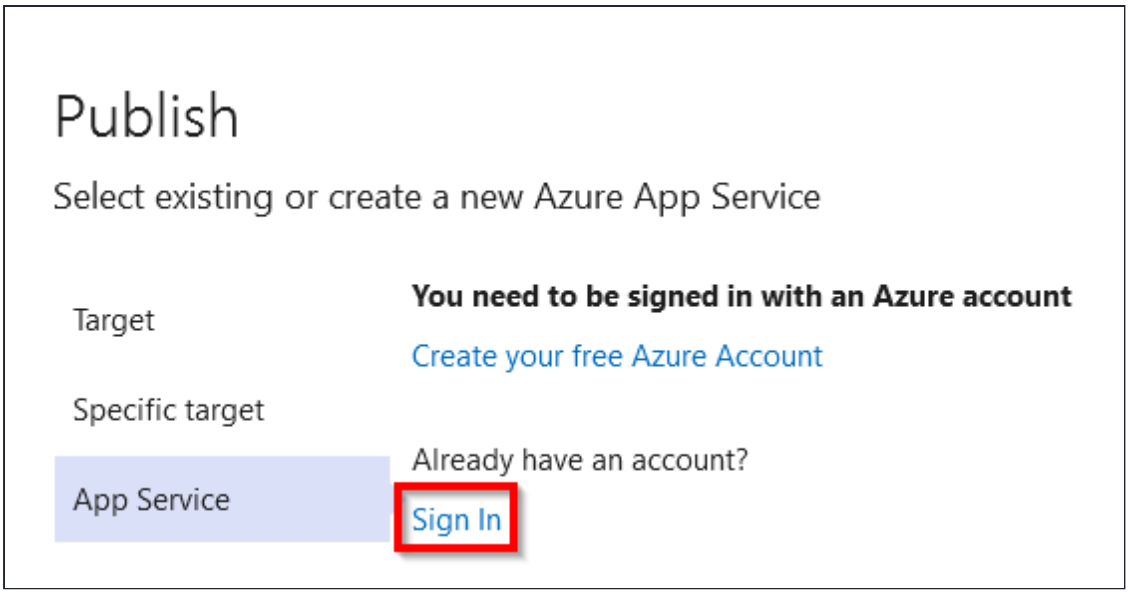
11. On the **Publish** tab, select **Azure** for **Target** and click on **Next**.



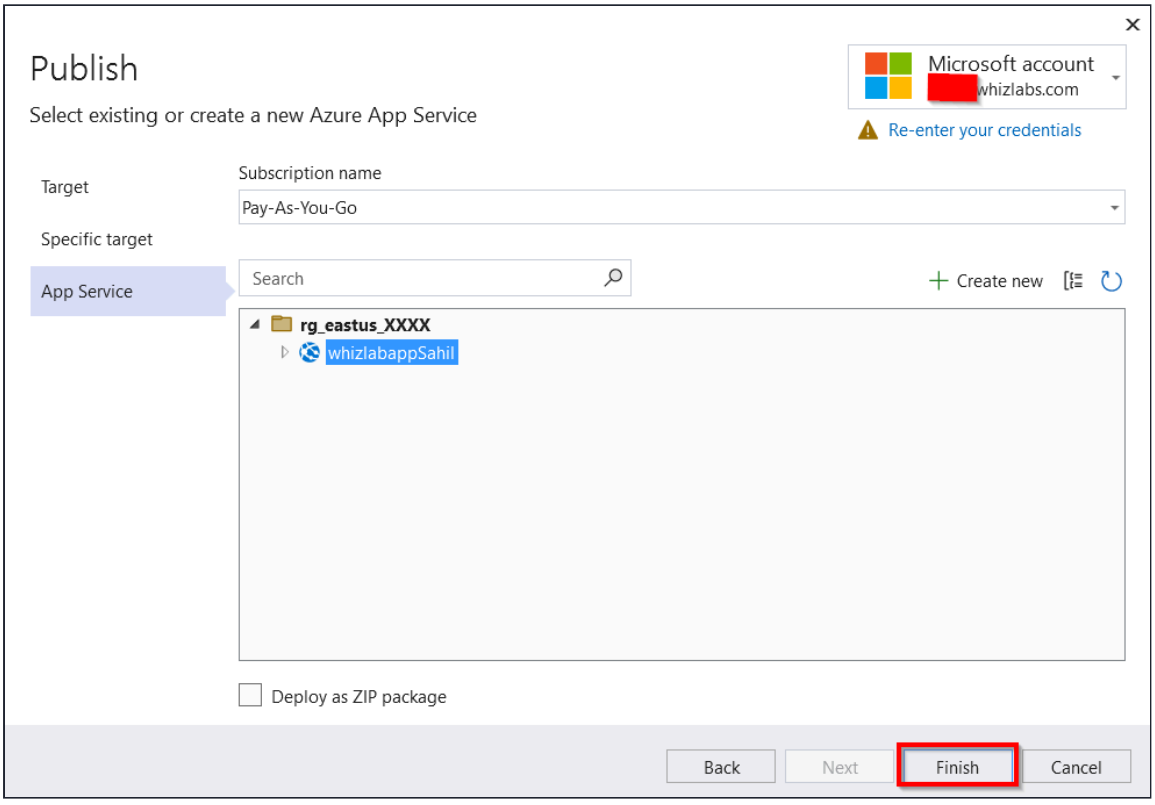
12. Now, select **Azure App Service (Windows)** for Specific Target and click on **Next**.



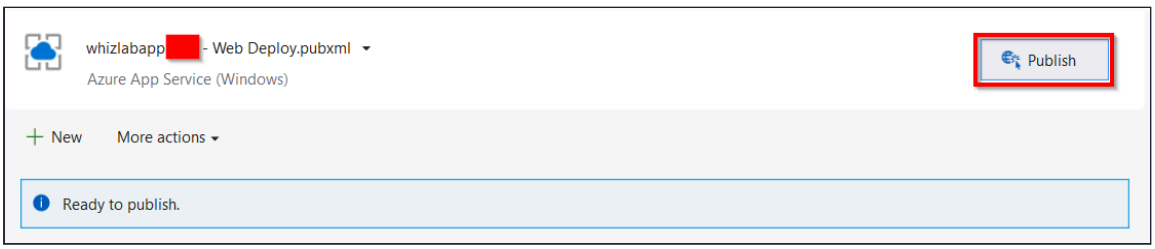
13. Now, you need to first sign in to your azure account. Click on **Sign In** and then you need to enter the login credentials you were provided earlier for this lab and login with those credentials.



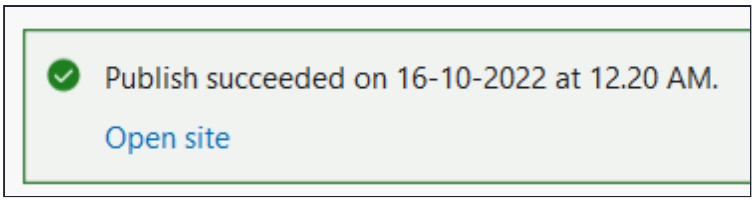
14. Now, once logged in, you will have to select your Azure web app and click on **Finish**.



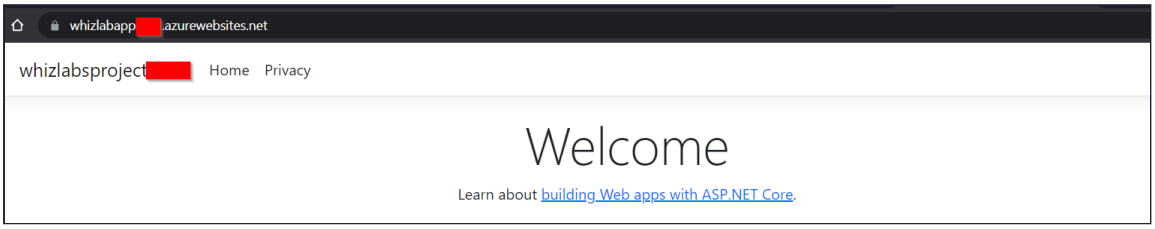
15. Now, click on **Publish**.



16. After sometime, you will see that Publish is successful.

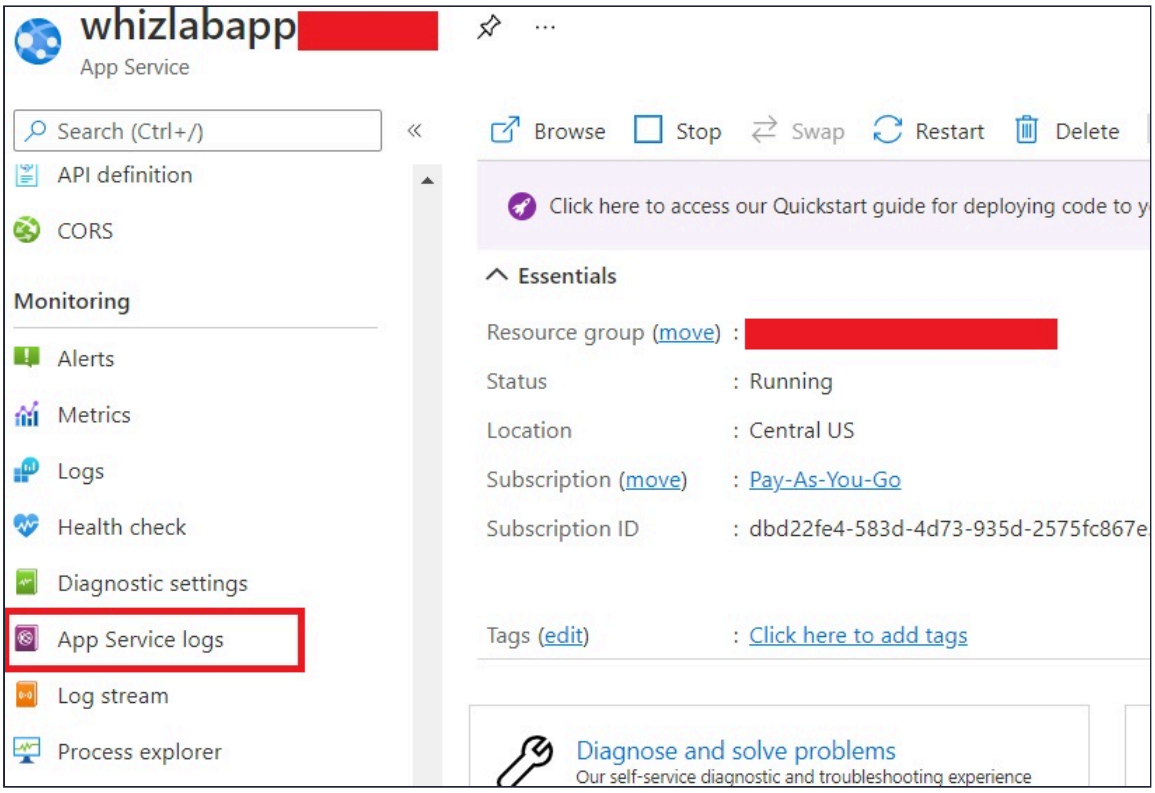


17. Now, go back to your Azure portal and on the overview page of your web app, copy the **URL** given and paste it on your respective browser. You will see the below page displaying the homepage for ASP.NET.



Task 4: Using Azure Web App Logging Features

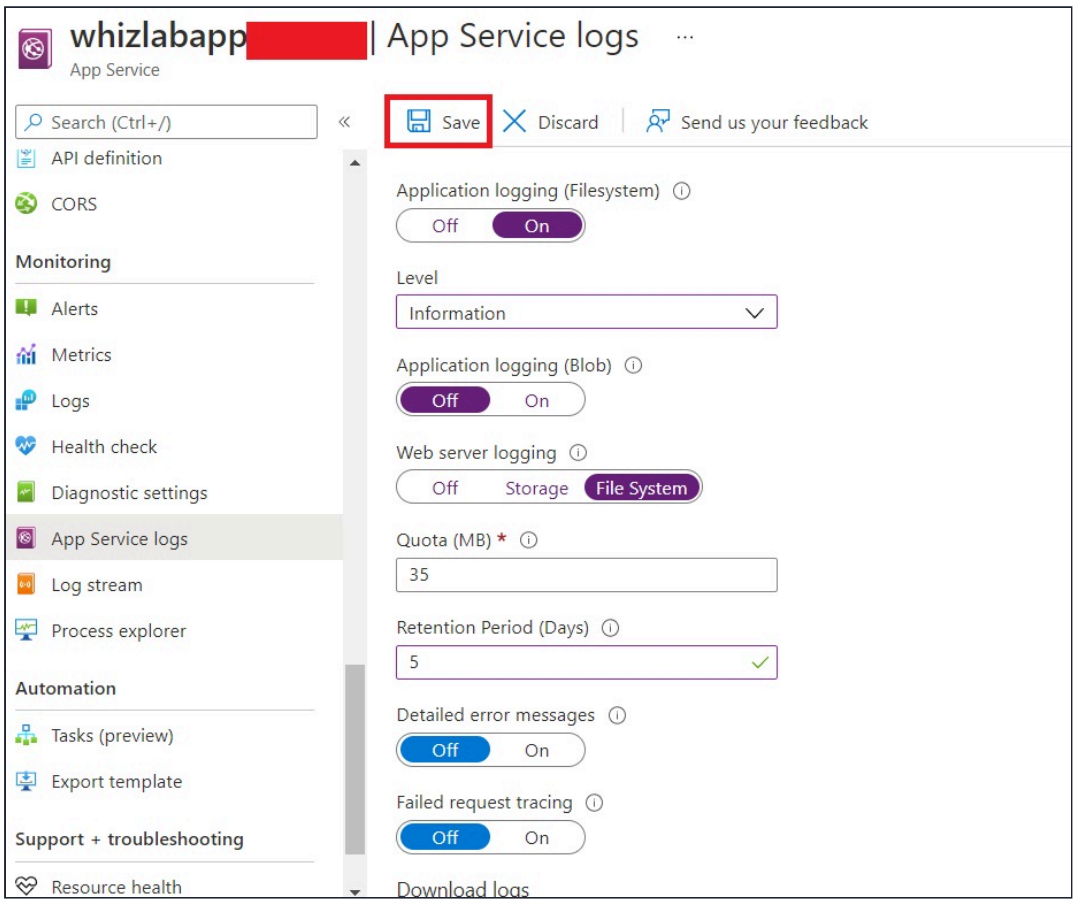
1. Go back to the Azure portal and on the overview page of your web app, under the **Monitoring** section, select **App Service Logs**.



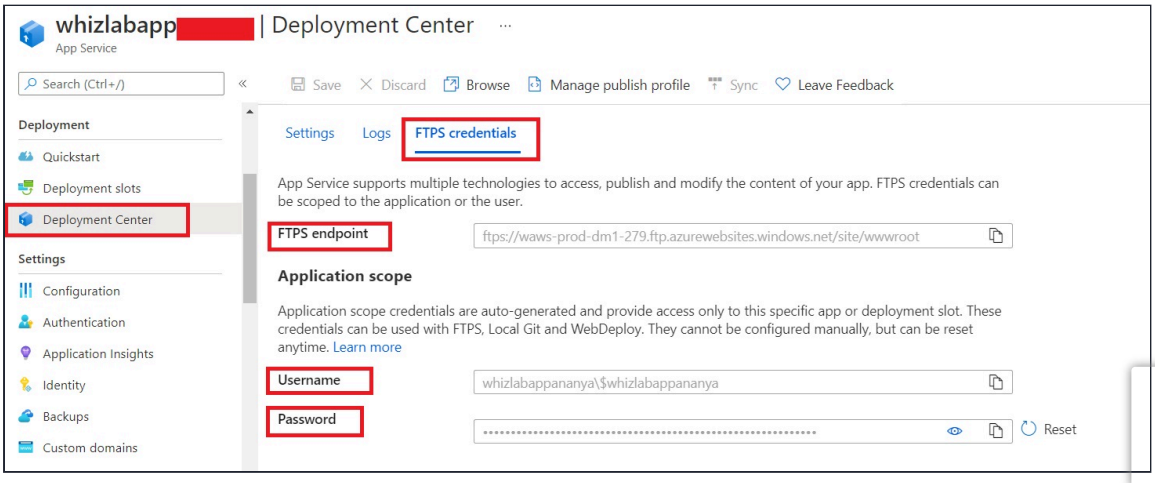
2. Here you can see different types of logs that are available. You have Application Logging (Filesystem), Application logging (Blob), Web server logging, Detailed error messages, Failed request tracing. Now, enter or select the following values and then click on **Save** :

   - Application Logging (Filesystem) : Select **On**

    - Level : Select **Information**
- Application logging (Blob) : Select **Off**
- Web server logging : Select **Filesystem**
    - Quota (MB) : Enter ***35***
    - Retention Period (Days) : Enter ***5***
- Detailed error messages : Select **Off**
- Failed request tracing : Select **Off**



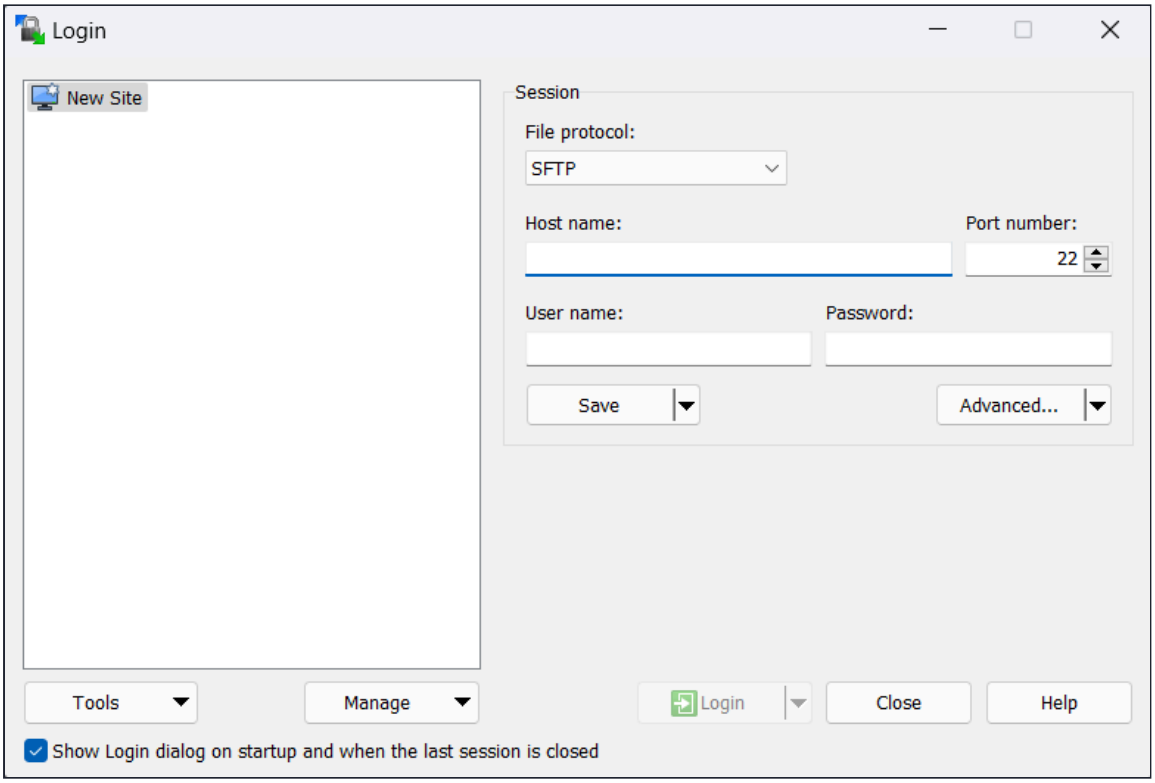
3. Now, go to the **Deployment Center**, under **Deployment** and you will see the **FTPS credentials**.



4. Now, download and install **WinSCP** on your windows system from the link below if you want to FTP and see those logs.

   https://winscp.net/eng/download.php

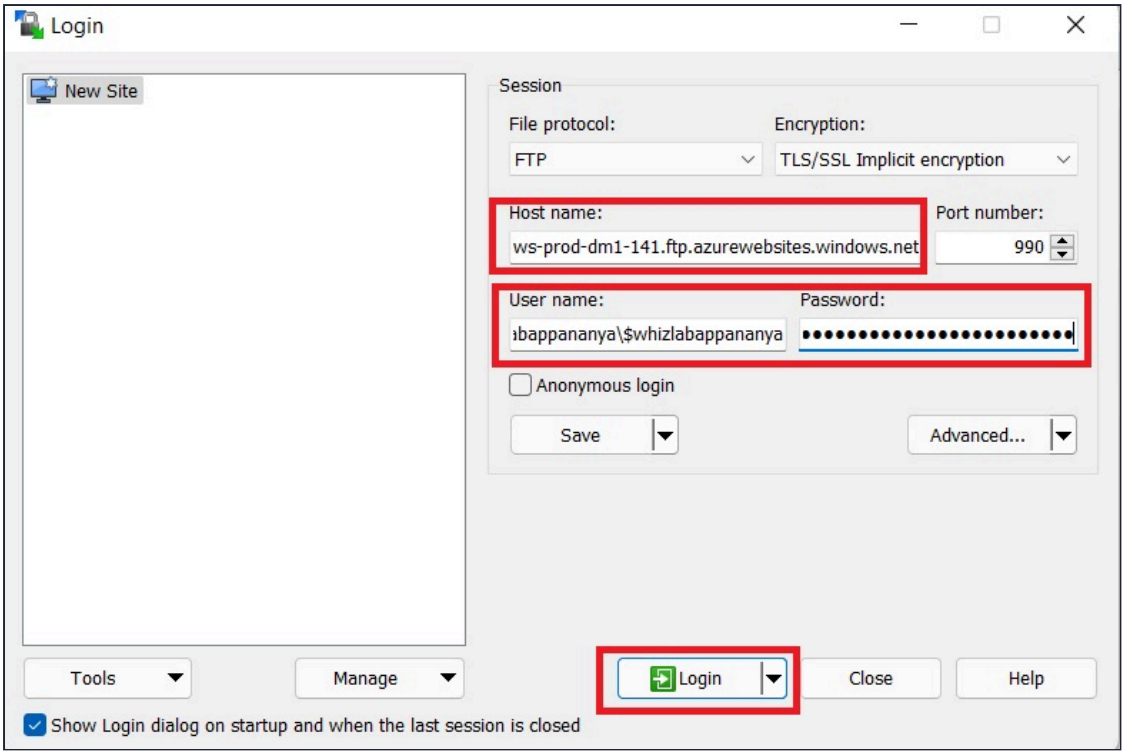
5. After it is downloaded and installed on your system successfully, open the WinSCP application. You will see a Login box that will appear.



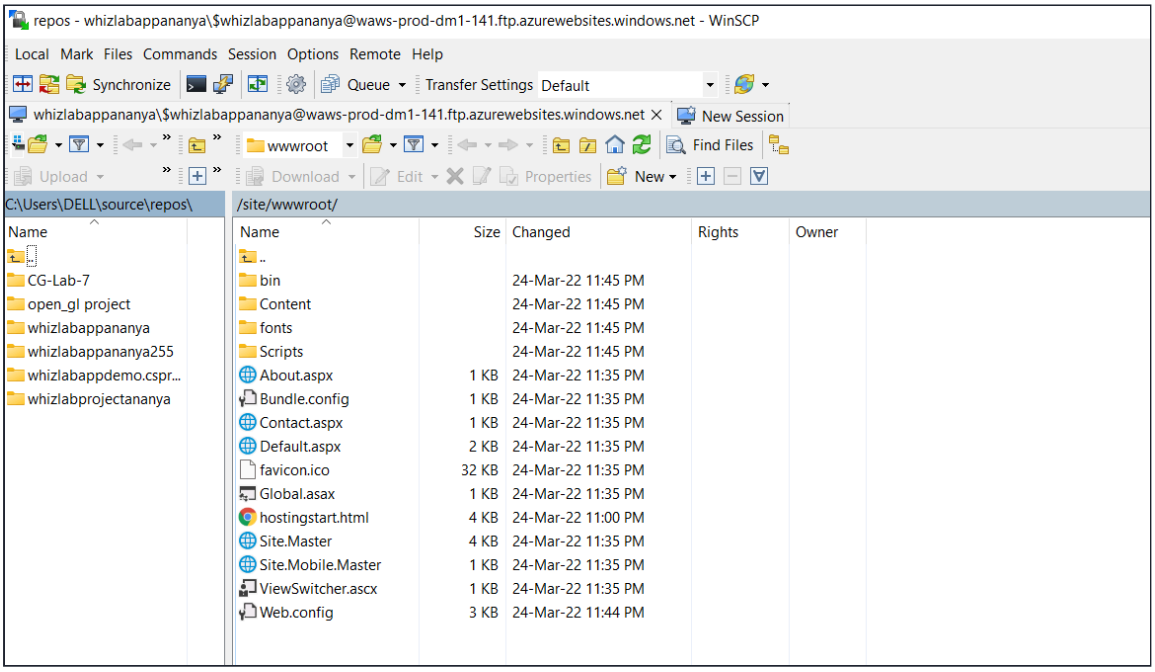
6. Now, enter the following details here and click on **Login** :

   - Host name : Go to your Azure portal where you have your FTP details and copy the **FTPS endpoint** and paste it here.
   - Username : Go to your Azure portal where you have your FTP details and copy the **Username** and paste it here.

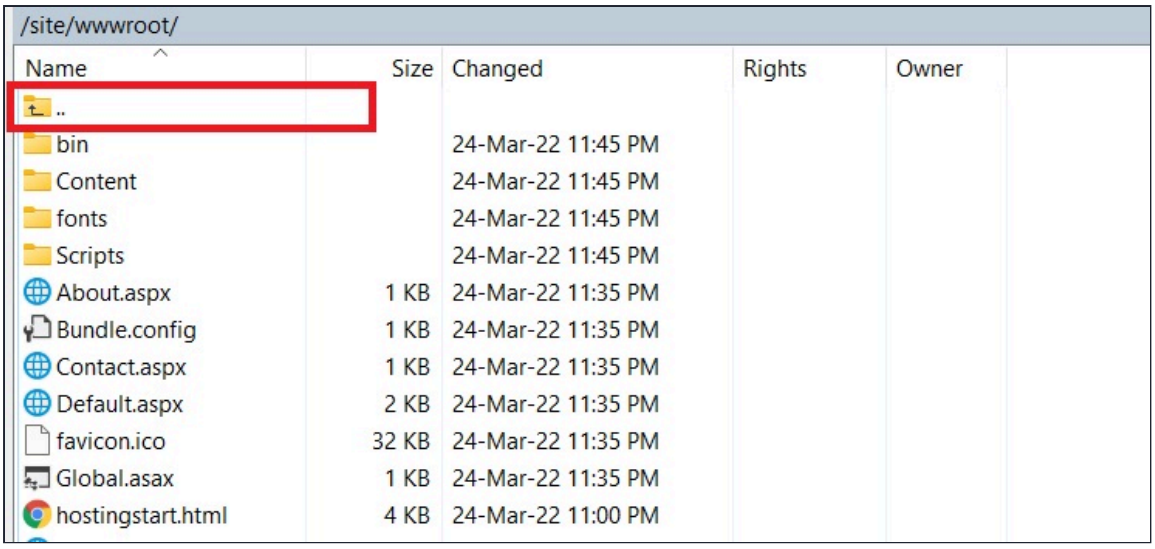
- Password : Go to your Azure portal where you have your FTP details and copy the **Password** and paste it here.



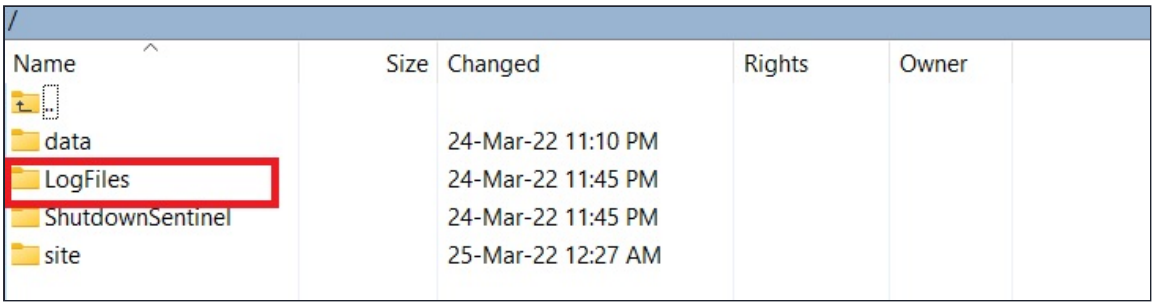
7. Now, you will be connected to the file system and you can see all the files for your web app.



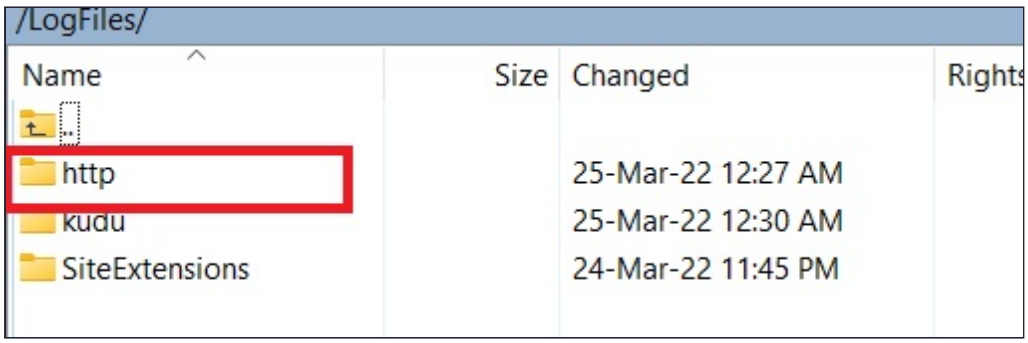
8. Go to the file on top and click on that icon until you get the option to select **LogFiles**.



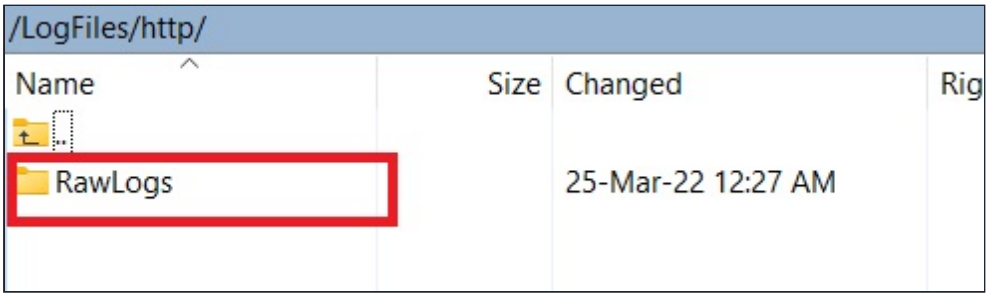
9. Now, select **LogFiles**.



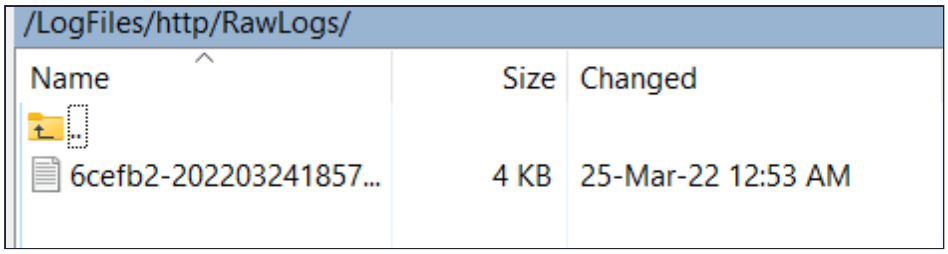
10. Then, select **http**.



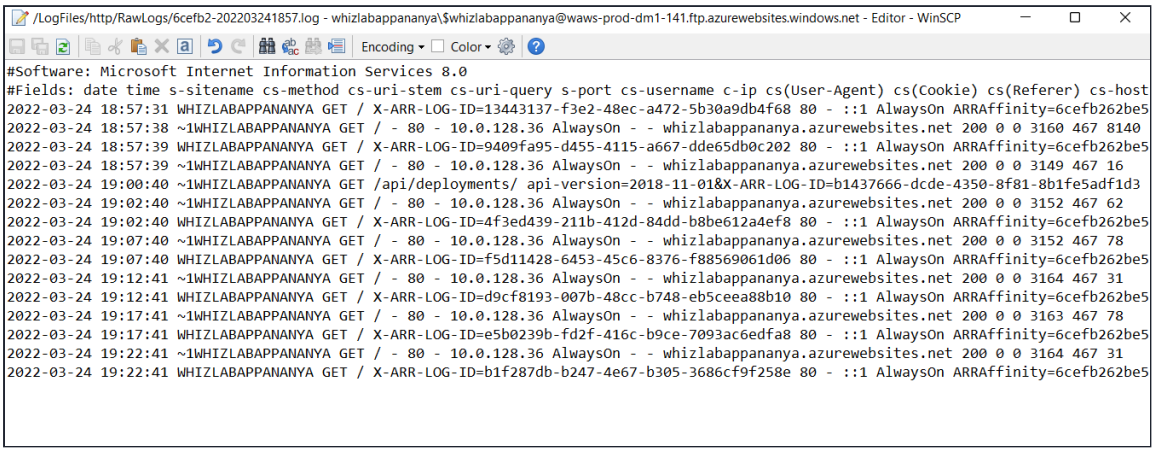
11. Next, select the **RawLogs** folder.



12. You will see a file. Click to open that file.



13. You will see all the logs and information about your request.



Do you know?

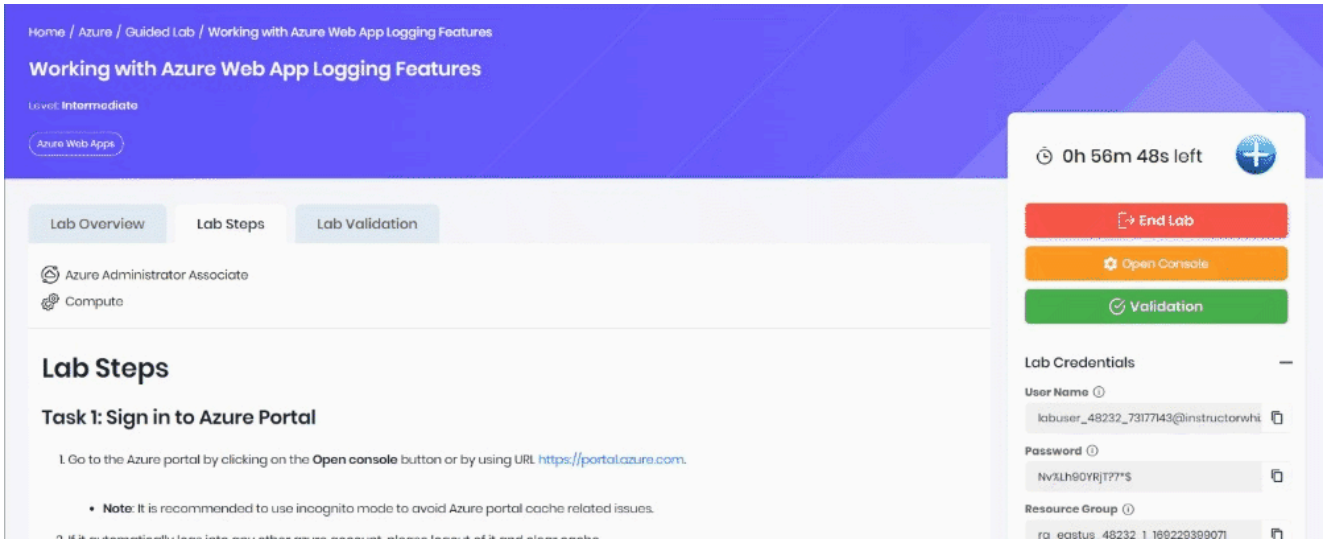
Azure Web App Logging feature integrates with Azure Monitor to provide alerts and notifications based on log data, allowing you to proactively monitor your web applications for issues.

Task 5: Validation test

1. Once the lab steps are completed, click on **Validation** button or go to **Lab Validation** section.

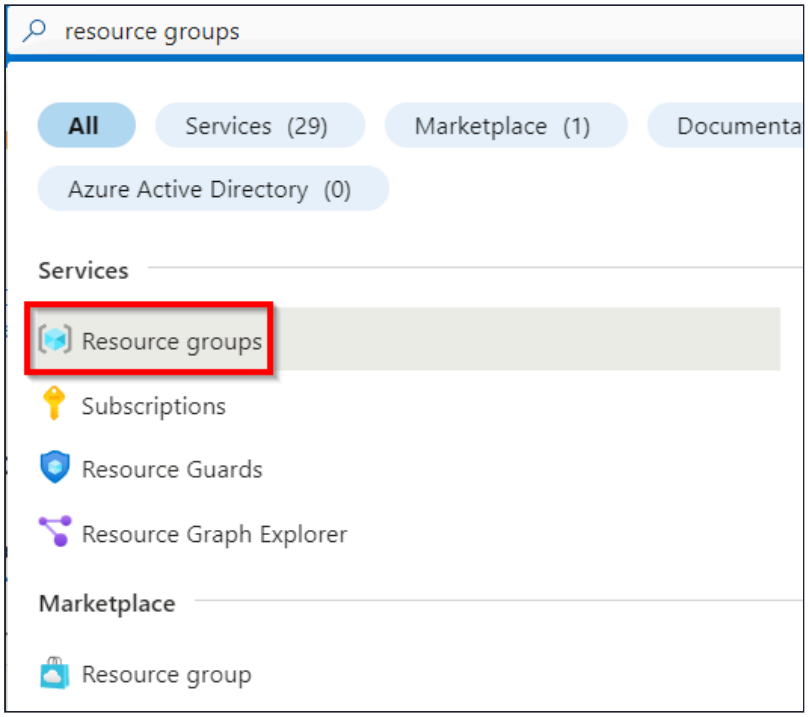
2. Click on **Validate My Lab** button.

3. You will get the **"Lab Overall Status"** which will indicate whether or not you have completed the lab successfully.

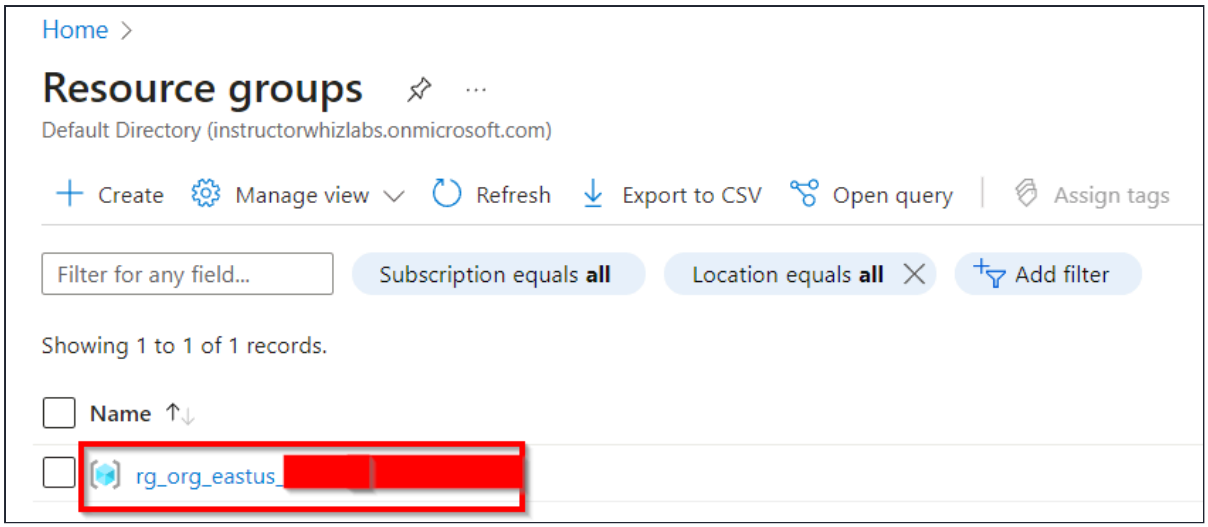


Task 6: Delete the Resources

1. In the search box at the top of the Azure portal, enter **Resource groups**. Select **Resource groups** from the search results.

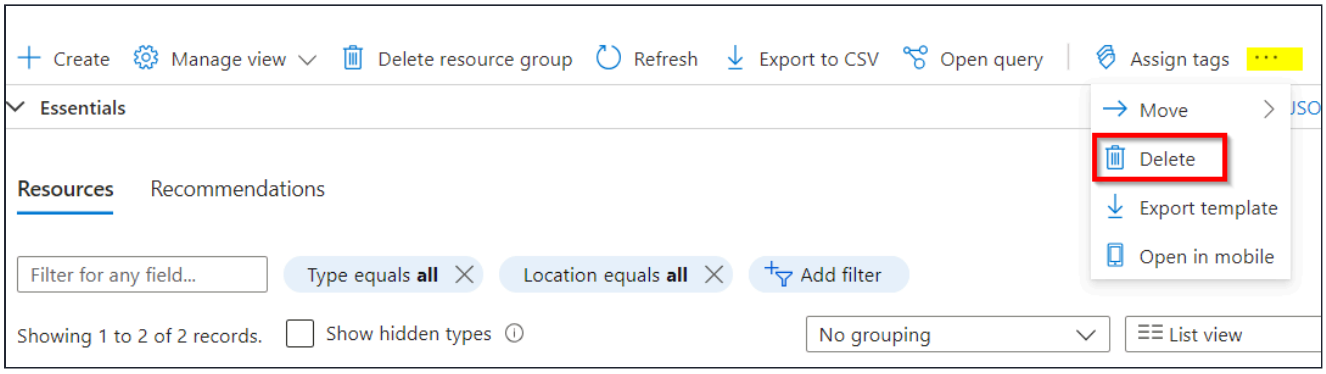


2. Click on the name of one of the **Resource groups**.

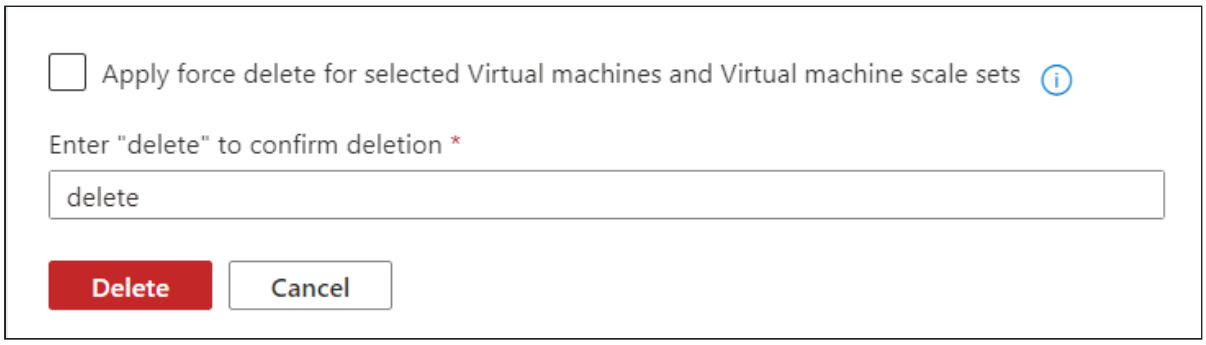


3. Select all the Resources in that **Resource groups.**

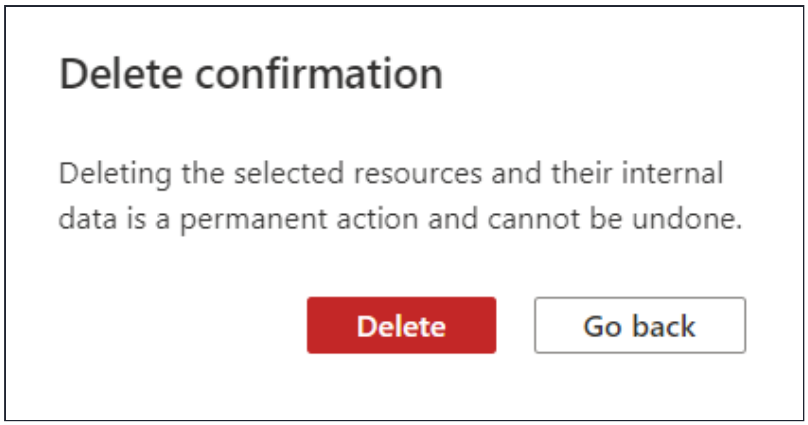
4. Go to three dots to the right and then click **Delete** button.



5. Now type **delete** in the box present at the bottom.



6. Click on **Delete** to confirm deletion of resources.



Completion and Conclusions

1. You have successfully logged into Azure Portal.
2. You have successfully created a web app.
3. You have successfully published code to the Azure web app.
4. You have successfully used azure web app logging features.
5. You have successfully validated the lab.
6. You have successfully deleted the resources.

End Lab

1. You have successfully completed this lab.
2. Click on **Logout** in Azure Portal by clicking on the logout button in the top right corner inside Azure Profile.
3. Click on the **End lab** once you have completed the Lab.