

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



End Lab

Open Console

Validation

Lab Credentials

User Name ⓘ

labuser_80425_12187745@instructorwhizlabs.onmicrosoft.com



Password ⓘ

!%e052tK#Ph*qXx



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

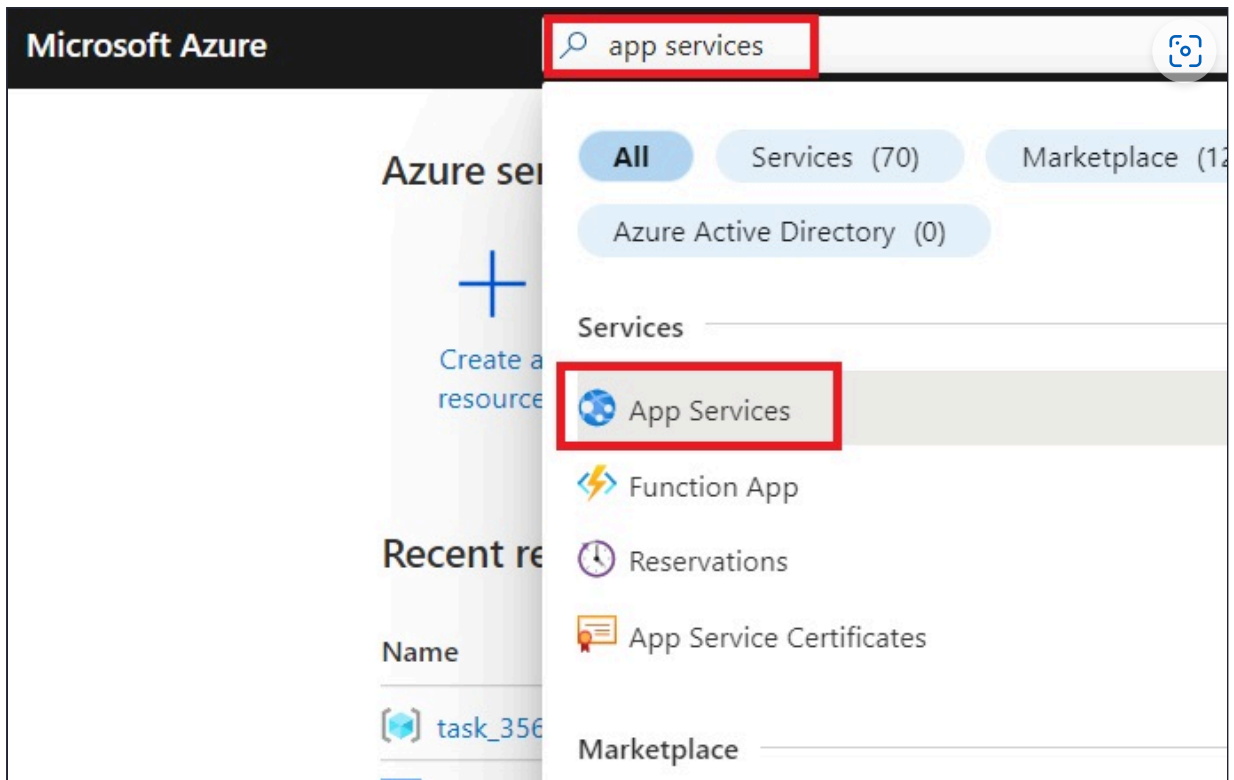
Task 1: Sign in to Azure Portal

- 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.
- If it automatically logs into any other azure account, please logout of it and clear cache.
- Sign in with your given **username** and **password** on Azure portal.
- If login is not working. Click on the **End lab** and start the lab again.

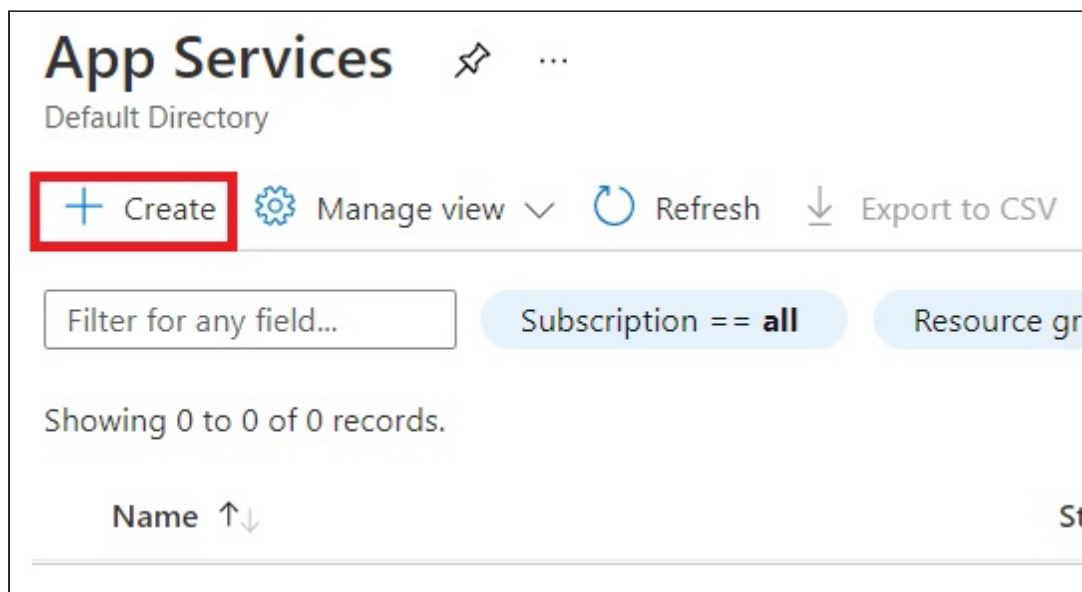
Task 2: Create a Web App

- 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**.

Home > App Services >

Create Web App

Instance Details

Name * whizlabapp .azurewebsites.net

Publish * ☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack * .NET 8 (LTS)

Operating System * ☐ Linux ☒ Windows

Region * East US

Pricing plans

App Service plan pricing tier determines the location, features, cost and compute resources associated with your app. [Learn more](#)

Windows Plan (East US) * (New) ManagedPlan [Create new](#)

Pricing plan Standard S1 (100 total ACU, 1.75 GB memory, 1 vCPU) [Explore pricing plans](#)

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**.

Create Web App


Basics Deployment **Monitoring** Tags Review + create


Azure Monitor application insights is an Application Performance Management (APM) service for developers and DevOps professionals. Enable it below to automatically monitor your application. It will detect performance anomalies, and includes powerful analytics tools to help you diagnose issues and to understand what users actually do with your app. [Learn more](#)

Application Insights


Enable Application Insights * ☒ No ☐ Yes

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

 **Your deployment is complete**



Deployment name: Microsoft.Web-WebApp-Portal-1876a91d-a40f
Subscription: [Pay-As-You-Go](#)
Resource group: [rg_eastus_XXXX](#)

Start time: 10/15/2022, 11:43:46 PM
Correlation ID: [ad6eb29c-bf2c-4527-b2ed-1450eeb9d322](#) 

▼ **Deployment details**

^ **Next steps**


[Manage deployments for your app.](#) Recommended

[Protect your app with authentication.](#) Recommended

[Add a deployment slot.](#) Recommended


[Go to resource](#)


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.

 **Microsoft Azure**

Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.



 **Supporting Node.js, Java, .NET and more**

Haven't deployed yet?
Use the deployment center to publish code or set up continuous deployment.

[Deployment center](#)

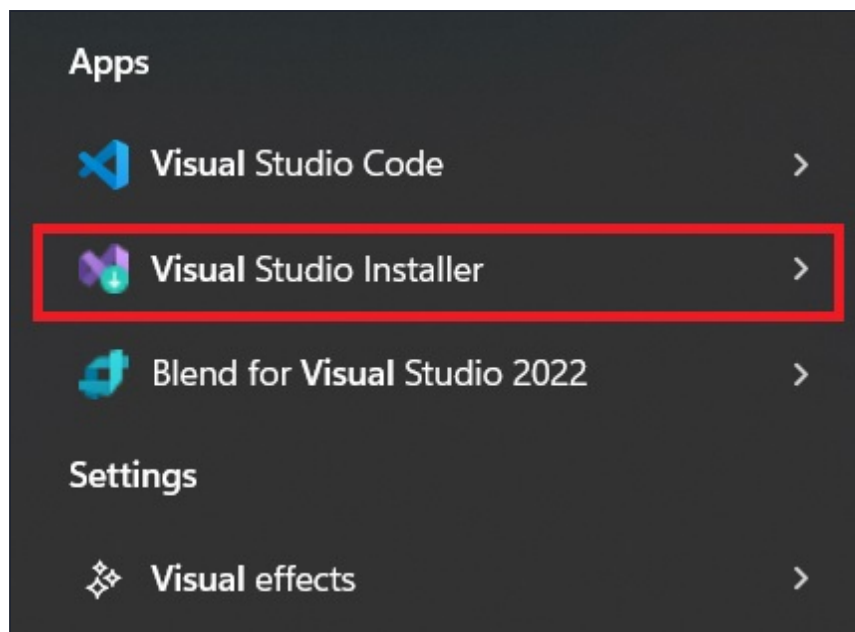
Starting a new web site?
Follow our Quickstart guide to get a web app ready quickly.

[Quickstart](#)

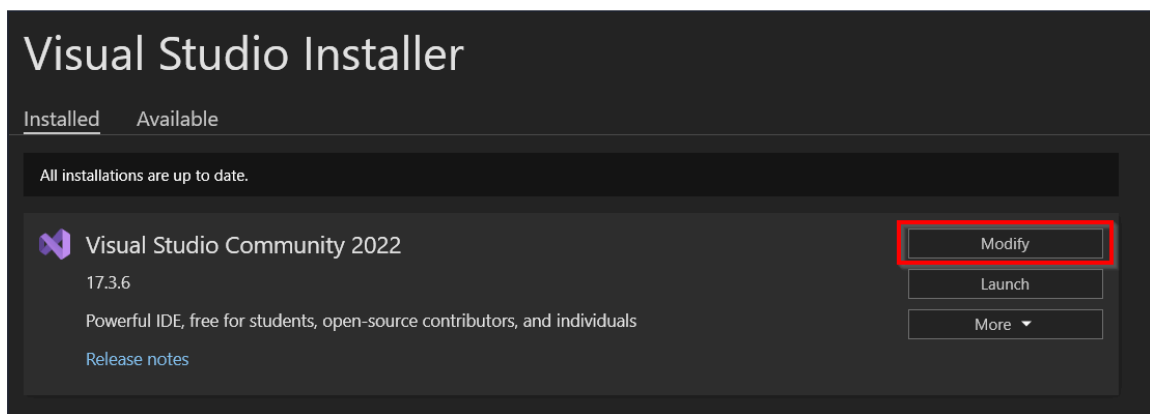
Task 3: Publishing code to Azure Web App

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.

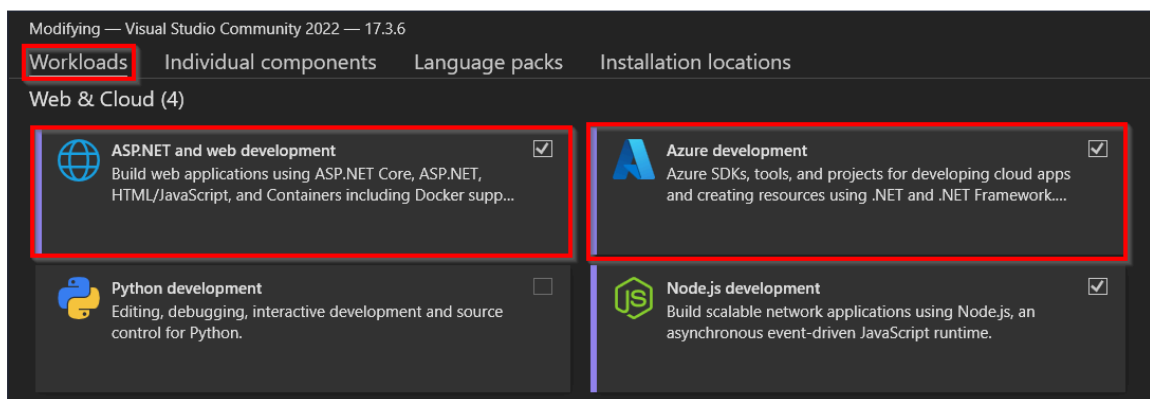




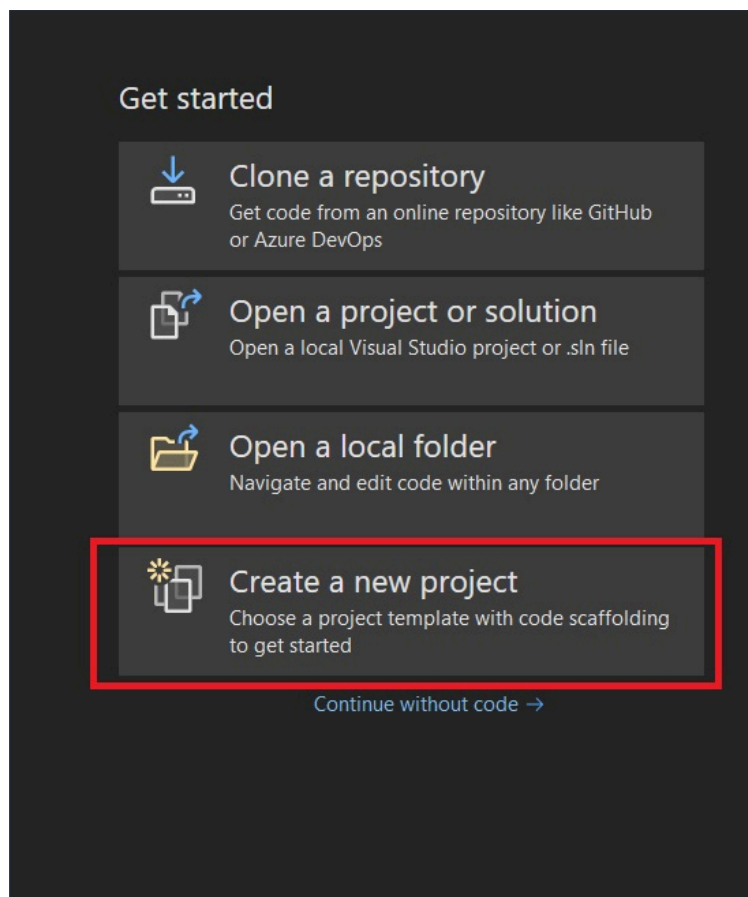
2. Once the Installer page opens, click on **Modify**.



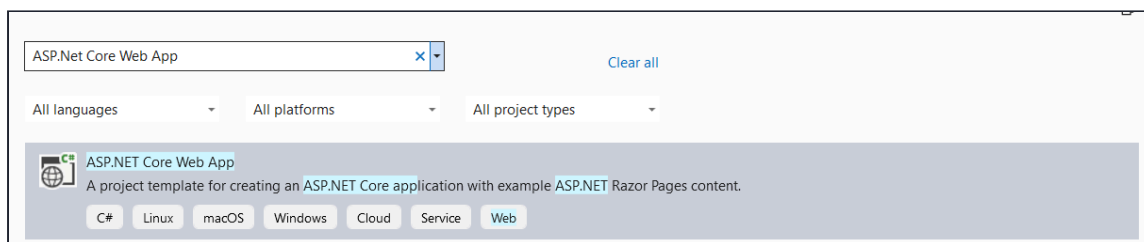
3. Make sure that you select these core components (ASP.NET and web development, Azure development) and then click on **Modify**. The Visual Studio Installer will be modified in a few minutes.



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

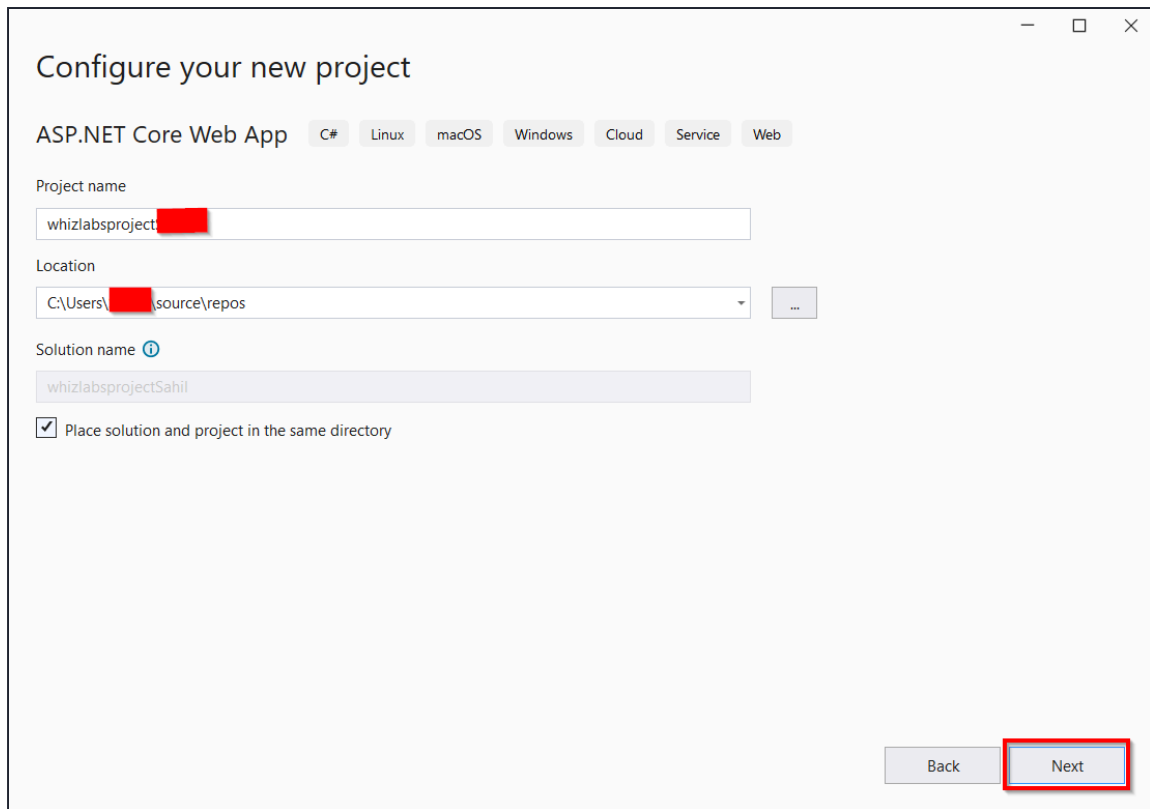


5. Now, search for and select the **ASP.NET Core Web App** template, then click on **Next**.



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





Configure your new project

ASP.NET Core Web App C# Linux macOS Windows Cloud Service Web

Project name
whizlabsproject

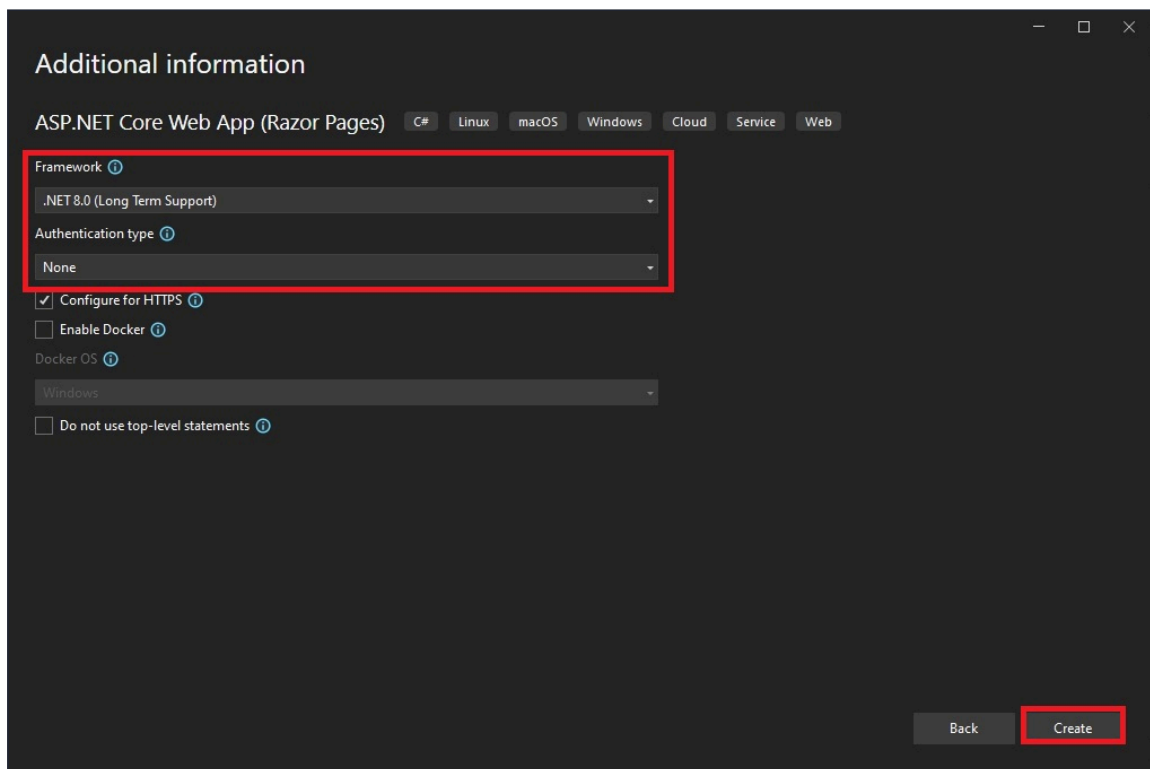
Location
C:\Users\...source\repos

Solution name ⓘ
whizlabsprojectSahil

☒ Place solution and project in the same directory

Back 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**.



Additional information

ASP.NET Core Web App (Razor Pages) C# Linux macOS Windows Cloud Service Web

Framework ⓘ
.NET 8.0 (Long Term Support)

Authentication type ⓘ
None

☒ Configure for HTTPS ⓘ

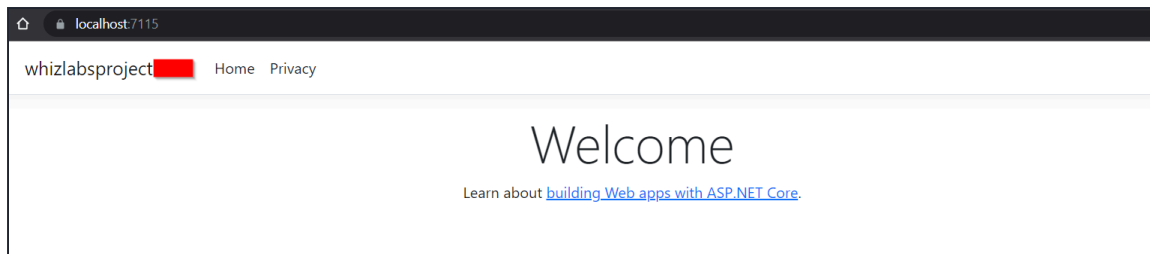
☐ Enable Docker ⓘ

Docker OS ⓘ
Windows

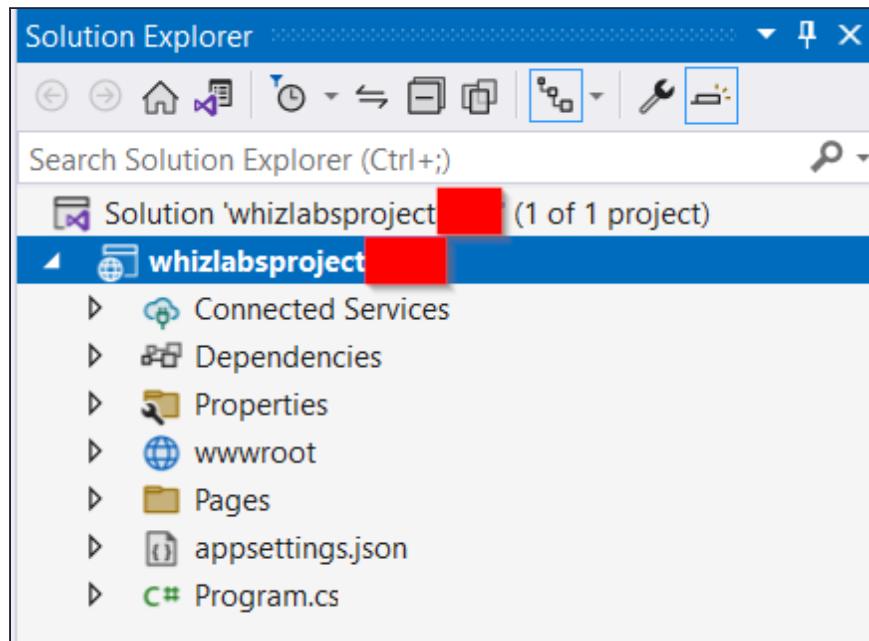
☐ Do not use top-level statements ⓘ

Back Create

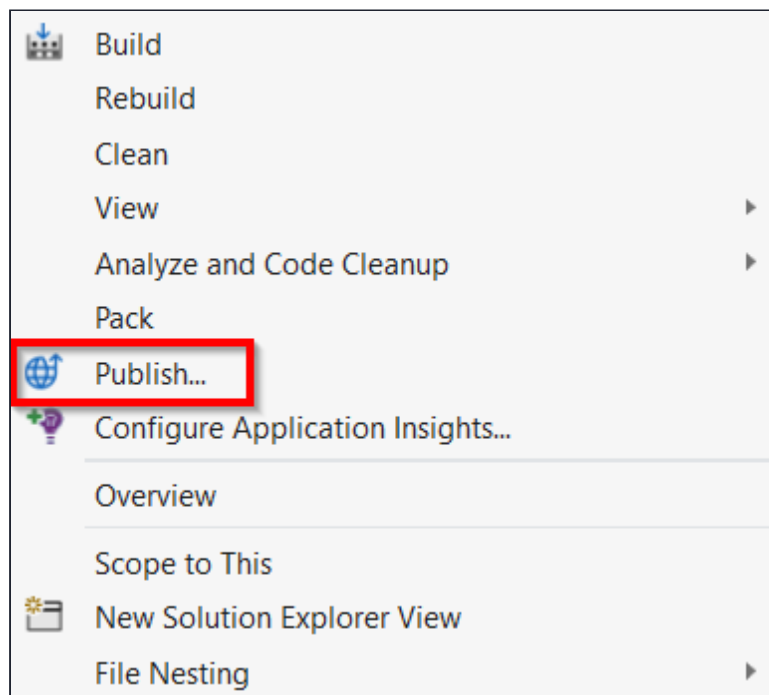
8. Now, From the Visual Studio menu, select **Debug > Start without debugging** to run the web app locally.



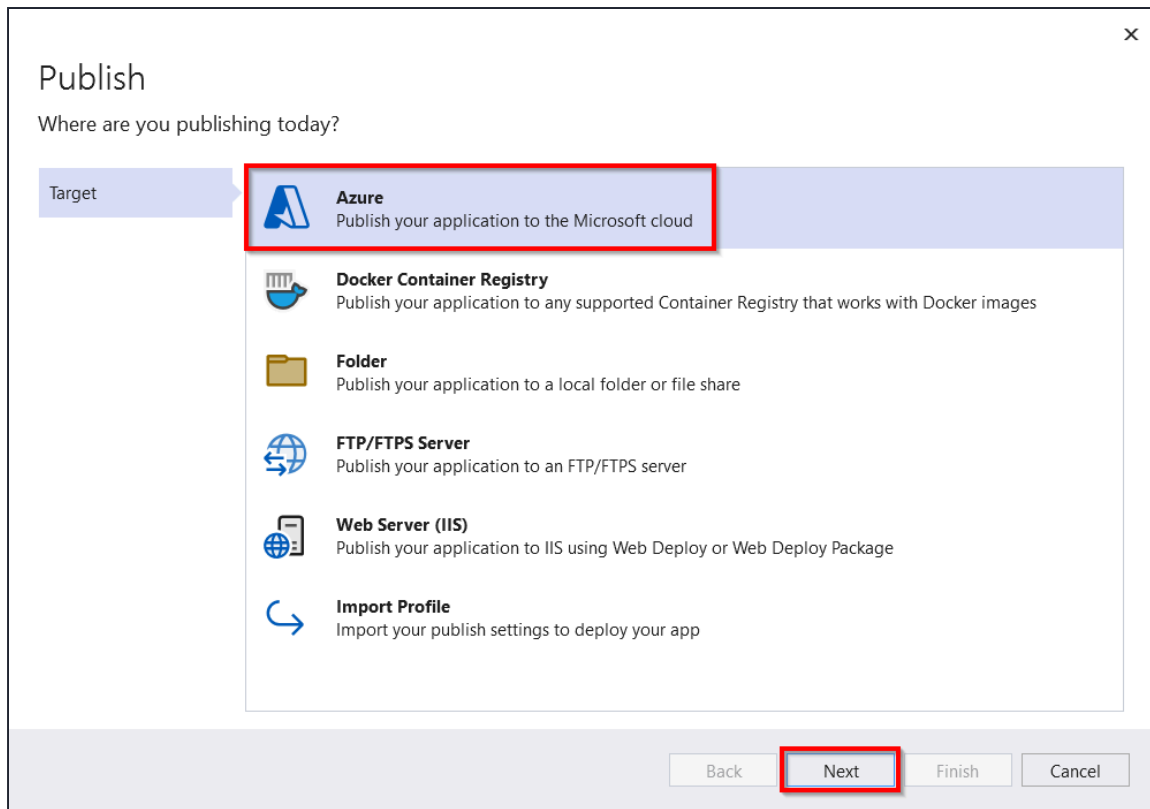
9. Now, go back to your Visual Studio and under **Solution Explorer**, select your project and right click on it.



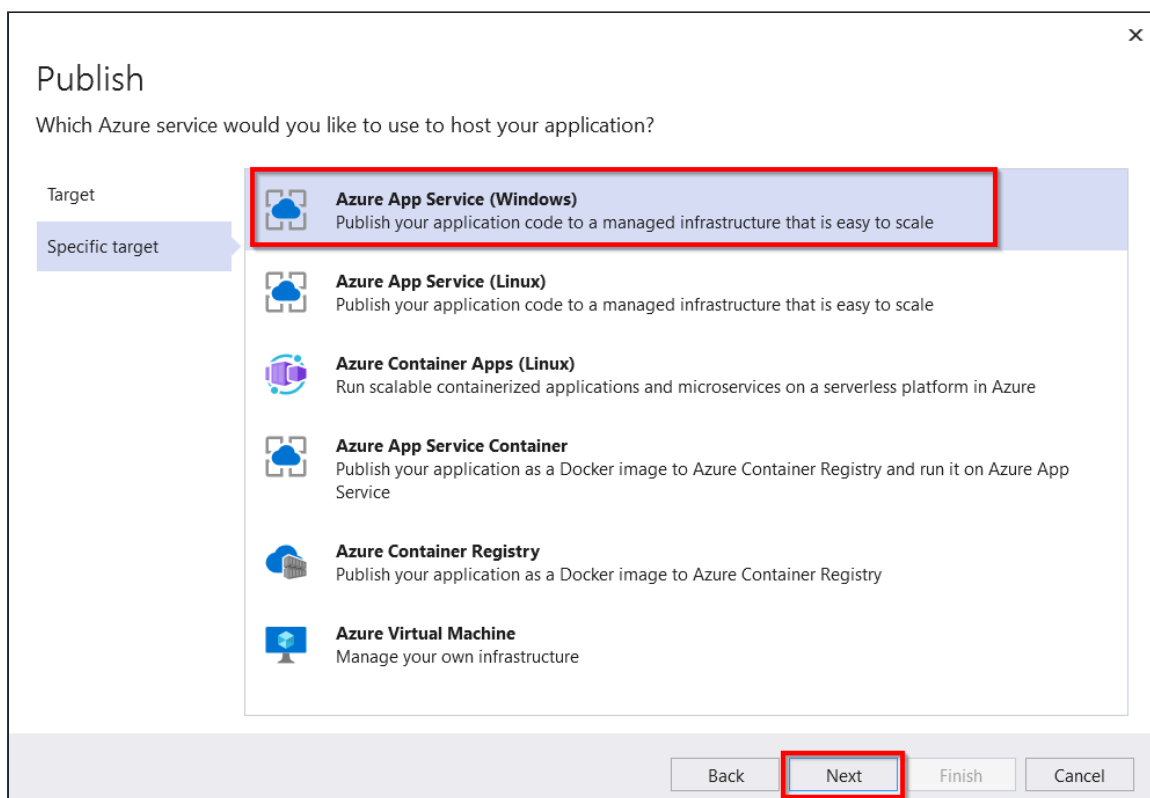
10. From the dropdown menu, select **Publish**.



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.

Publish

Select existing or create a new Azure App Service

Target **You need to be signed in with an Azure account**
[Create your free Azure Account](#)

Specific target

App Service [Already have an account?](#)
[Sign In](#)

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

Publish

Select existing or create a new Azure App Service

Microsoft account [whizlabs.com](#)
[Re-enter your credentials](#)

Target Subscription name
Pay-As-You-Go

Specific target

App Service Search [+ Create new](#) [\[?\]](#) [↺](#)

- rg_eastus_XXXX
 - whizlabappSahil

☐ Deploy as ZIP package

[Back](#) [Next](#) [Finish](#) [Cancel](#)

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

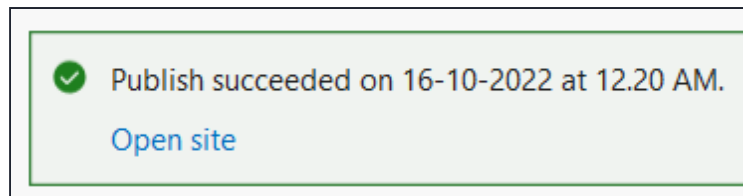
whizlabapp - Web Deploy.pubxml
Azure App Service (Windows)

[Publish](#)

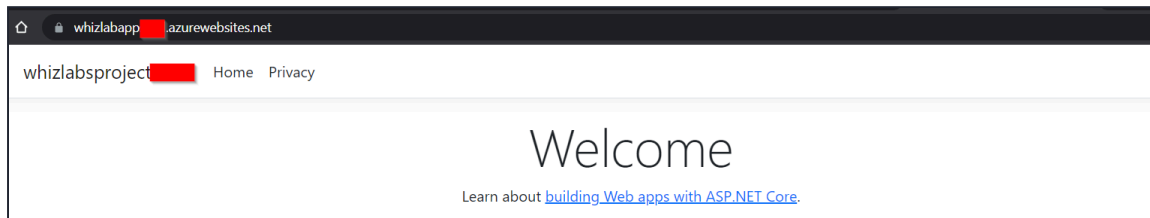
[+ New](#) [More actions](#)

[Ready to publish.](#)

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

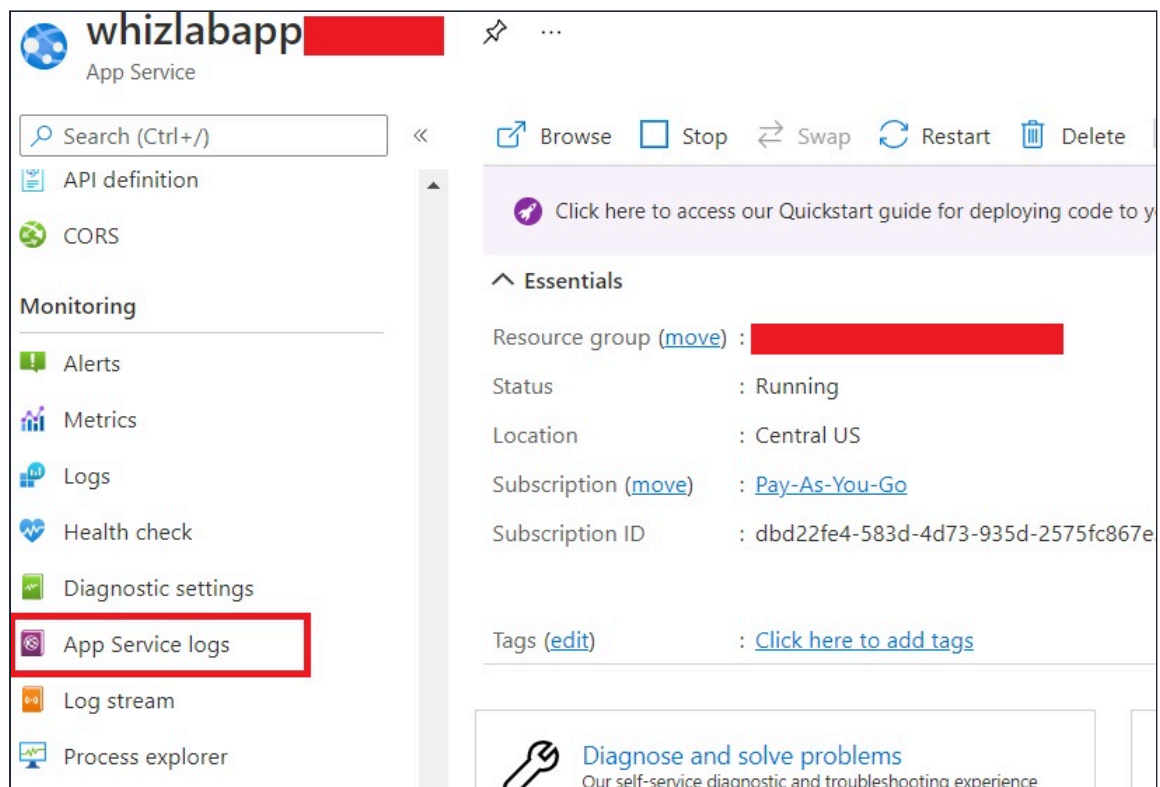


17. Now, go back to your Azure portal and on the overview page of your web app, copy the **URL** given and paste it on your respective browser. You will see the below page displaying the homepage for ASP.NET.



Task 4: Using Azure Web App Logging Features

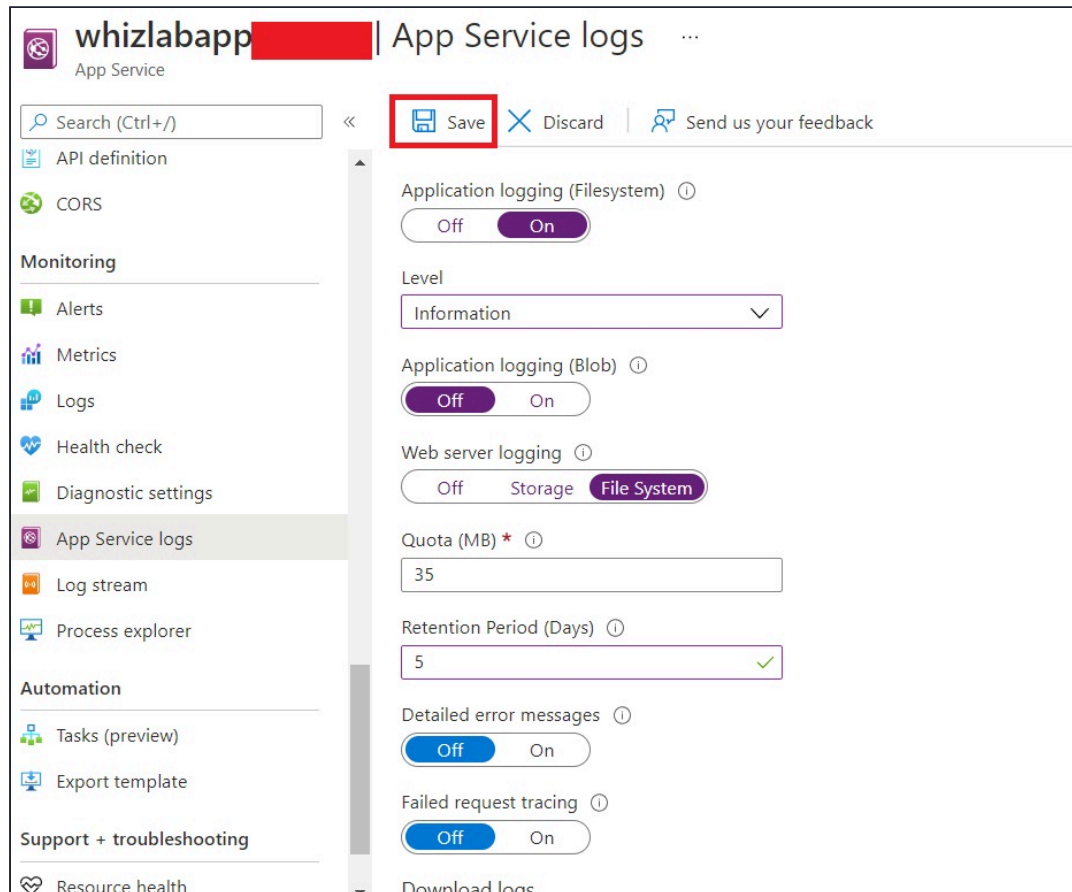
1. Go back to the Azure portal and on the overview page of your web app, under the **Monitoring** section, select **App Service Logs**.



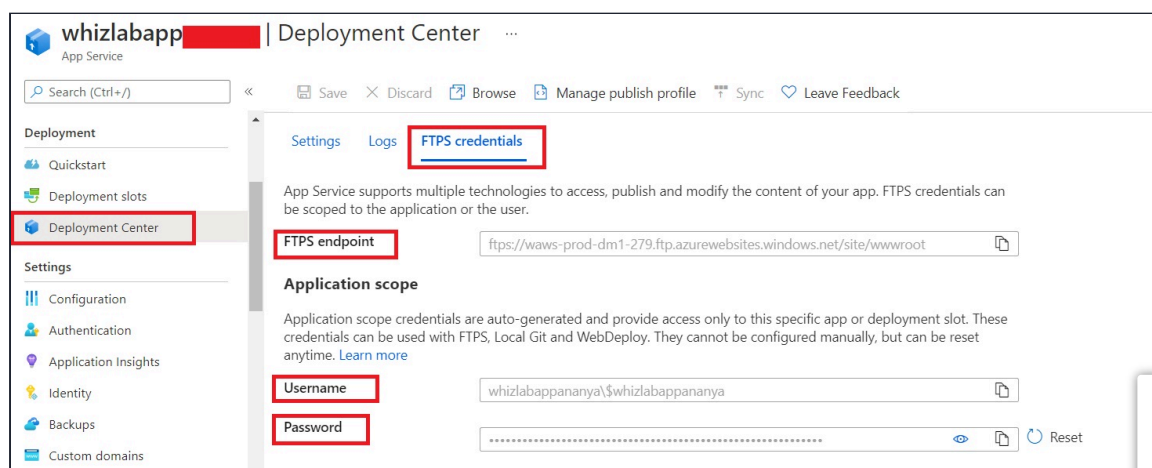
2. Here you can see different types of logs that are available. You have Application Logging (Filesystem), Application logging (Blob), Web server logging, Detailed error messages, Failed request tracing. Now, enter or select the following values and then click on **Save** :

- 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**.

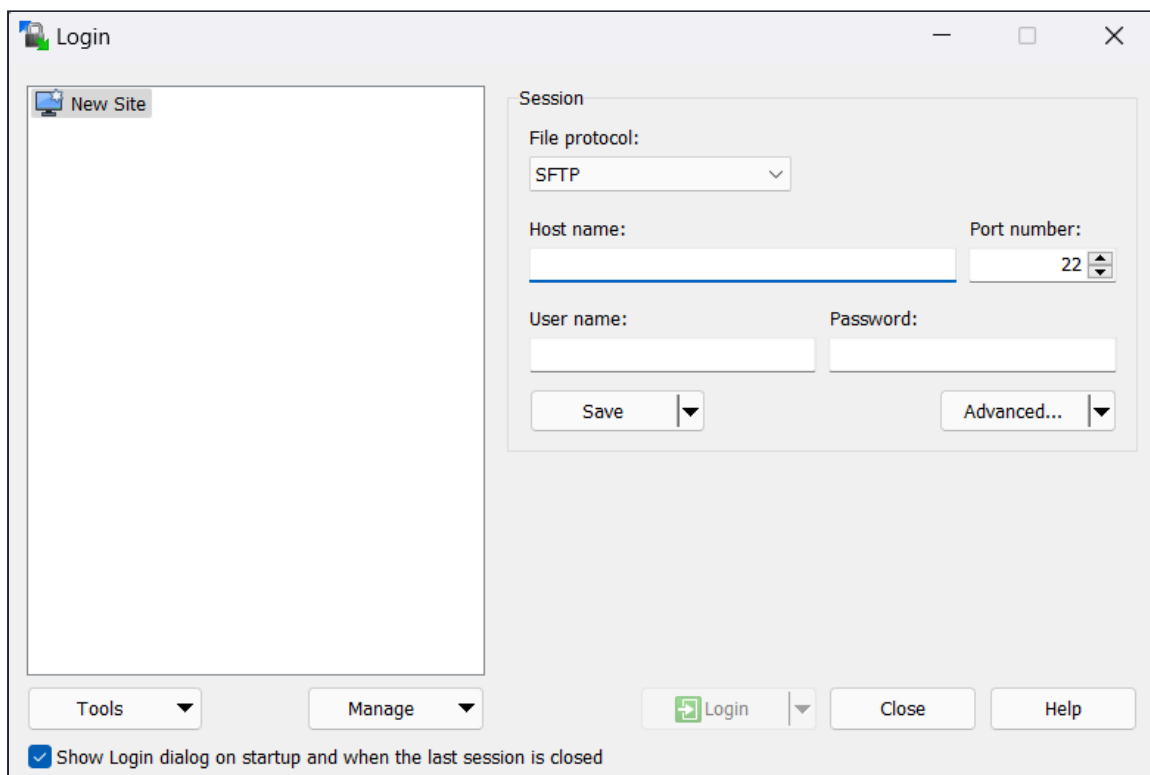


4. Now, download and install **WinSCP** on your windows system from the link below if you want to FTP and see those logs.

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



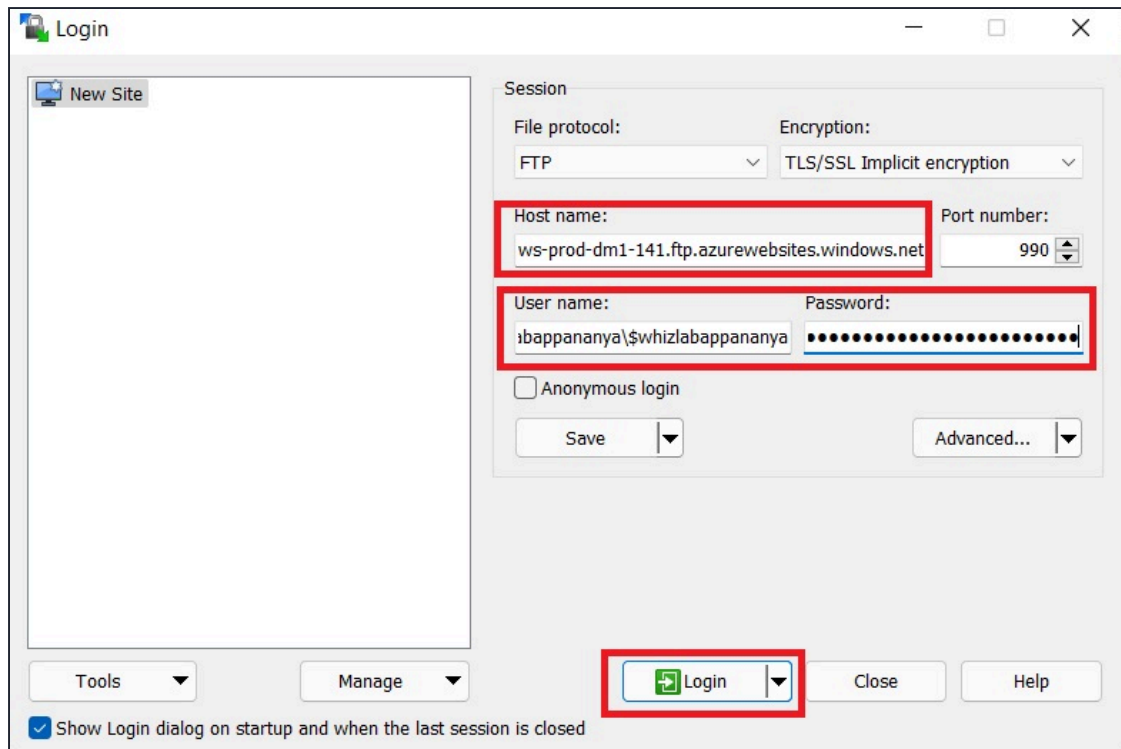
5. After it is downloaded and installed on your system successfully, open the WinSCP application. You will see a Login box that will appear.



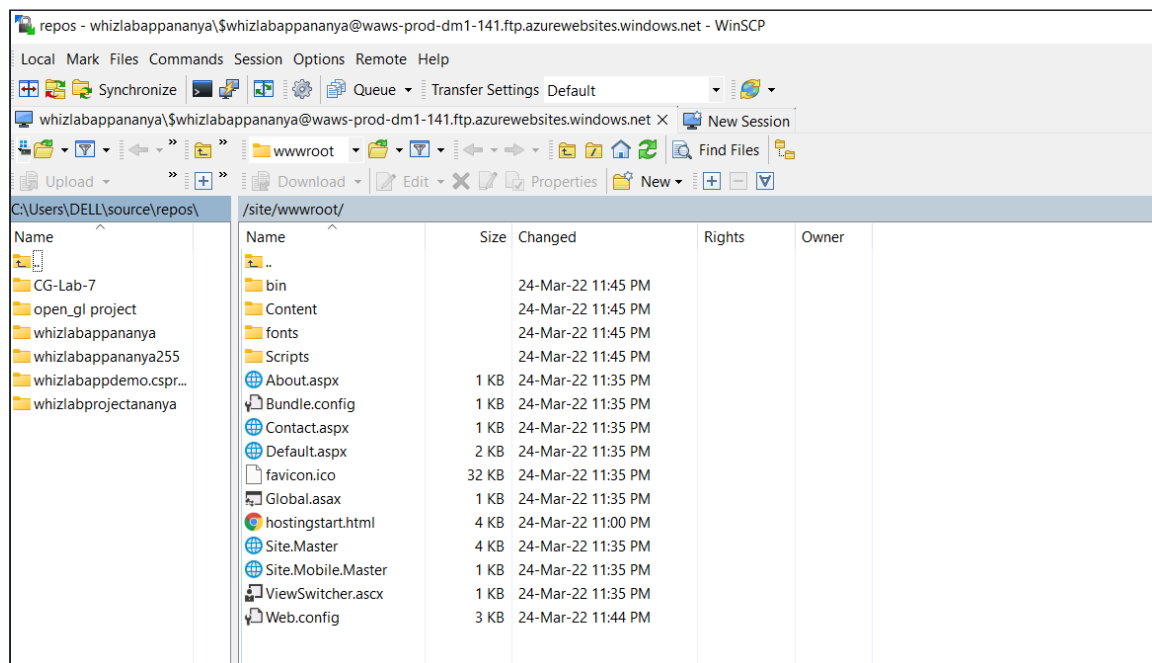
6. Now, enter the following details here and click on **Login** :

- 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**.

/site/wwwroot/						
Name	Size	Changed	Rights	Owner		
..						
bin		24-Mar-22 11:45 PM				
Content		24-Mar-22 11:45 PM				
fonts		24-Mar-22 11:45 PM				
Scripts		24-Mar-22 11:45 PM				
About.aspx	1 KB	24-Mar-22 11:35 PM				
Bundle.config	1 KB	24-Mar-22 11:35 PM				
Contact.aspx	1 KB	24-Mar-22 11:35 PM				
Default.aspx	2 KB	24-Mar-22 11:35 PM				
favicon.ico	32 KB	24-Mar-22 11:35 PM				
Global.asax	1 KB	24-Mar-22 11:35 PM				
hostingstart.html	4 KB	24-Mar-22 11:00 PM				

9. Now, select **LogFiles**.

/					
Name	Size	Changed	Rights	Owner	
data		24-Mar-22 11:10 PM			
LogFiles		24-Mar-22 11:45 PM			
ShutdownSentinel		24-Mar-22 11:45 PM			
site		25-Mar-22 12:27 AM			



10. Then, select **http**.

/LogFiles/			
Name	Size	Changed	Rights
http		25-Mar-22 12:27 AM	
kudu		25-Mar-22 12:30 AM	
SiteExtensions		24-Mar-22 11:45 PM	

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

/LogFiles/http/			
Name	Size	Changed	Rights
RawLogs		25-Mar-22 12:27 AM	

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

/LogFiles/http/RawLogs/		
Name	Size	Changed
		
 6cefb2-202203241857...	4 KB	25-Mar-22 12:53 AM

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

```

#Software: Microsoft Internet Information Services 8.0
#Fields: date time s-sitename cs-method cs-uri-stem cs-uri-query s-port cs-username c-ip cs(User-Agent) cs(Cookie) cs(Referer) cs-host
2022-03-24 18:57:31 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=13443137-f3e2-48ec-a472-5b30a9db4f68 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5
2022-03-24 18:57:38 ~1WHIZLABAPPANANYA GET / - 80 - 10.0.128.36 AlwaysOn - - whizlabappanany.azurerebsites.net 200 0 0 3160 467 8140
2022-03-24 18:57:39 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=9409fa95-d455-4115-a667-dde65db0c202 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5
2022-03-24 18:57:39 ~1WHIZLABAPPANANYA GET / - 80 - 10.0.128.36 AlwaysOn - - whizlabappanany.azurerebsites.net 200 0 0 3149 467 16
2022-03-24 19:00:40 ~1WHIZLABAPPANANYA GET /api/deployments/ api-version=2018-11-01&X-ARR-LOG-ID=b1437666-dcde-4350-8f81-8b1fe5adf1d3
2022-03-24 19:02:40 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=4f3ed439-211b-412d-84dd-b8be612a4ef8 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5
2022-03-24 19:07:40 ~1WHIZLABAPPANANYA GET / - 80 - 10.0.128.36 AlwaysOn - - whizlabappanany.azurerebsites.net 200 0 0 3152 467 62
2022-03-24 19:07:40 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=f5d11428-6453-45c6-8376-f88569061d06 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5
2022-03-24 19:12:41 ~1WHIZLABAPPANANYA GET / - 80 - 10.0.128.36 AlwaysOn - - whizlabappanany.azurerebsites.net 200 0 0 3164 467 31
2022-03-24 19:12:41 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=d9cf8193-007b-48cc-b748-eb5ceea88b10 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5
2022-03-24 19:17:41 ~1WHIZLABAPPANANYA GET / - 80 - 10.0.128.36 AlwaysOn - - whizlabappanany.azurerebsites.net 200 0 0 3163 467 78
2022-03-24 19:17:41 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=e5b0239b-fd2f-416c-b9ce-7093ac6edfa8 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5
2022-03-24 19:22:41 ~1WHIZLABAPPANANYA GET / - 80 - 10.0.128.36 AlwaysOn - - whizlabappanany.azurerebsites.net 200 0 0 3164 467 31
2022-03-24 19:22:41 WHIZLABAPPANANYA GET / X-ARR-LOG-ID=b1f287db-b247-4e67-b305-3686cf9f258e 80 - ::1 AlwaysOn ARRAffinity=6cefb262be5

```

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

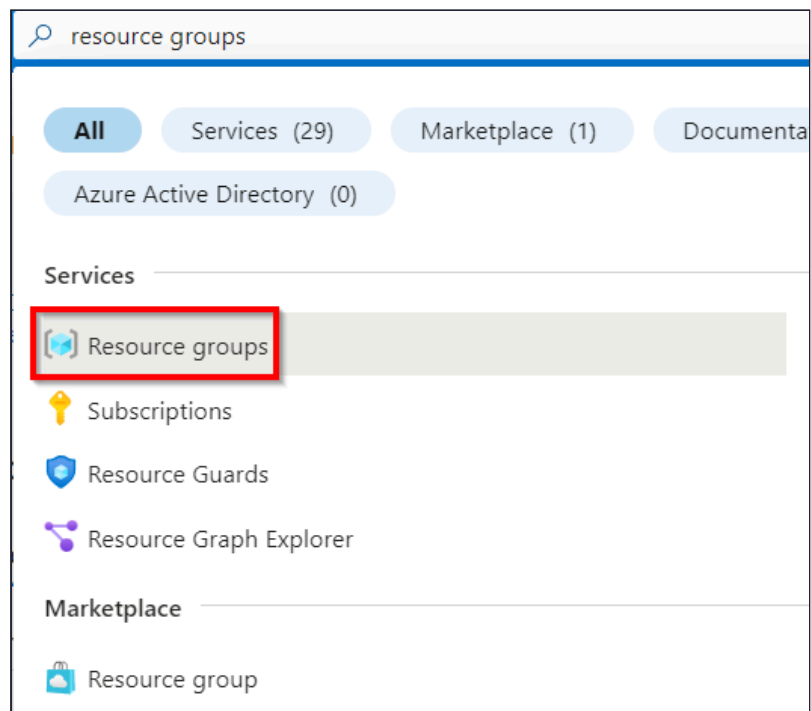
1. Once the lab steps are completed, click on **Validation** button or go to **Lab Validation** section.
2. Click on **Validate My Lab** button.
3. You will get the "**Lab Overall Status**" which will indicate whether or not you have completed the lab successfully.



The screenshot shows the Azure Lab interface. At the top, there's a blue header with the title 'Working with Azure Web App Logging Features' and a sub-header 'Level: Intermediate'. Below the header, there are tabs for 'Lab Overview', 'Lab Steps', and 'Lab Validation'. The 'Lab Steps' tab is active, showing 'Task 1: Sign in to Azure Portal'. The task instructions are: '1. Go to the Azure portal by clicking on the Open console button or by using URL <https://portal.azure.com>'. A note states: 'Note: It is recommended to use incognito mode to avoid Azure portal cache related issues.' On the right side, there's a sidebar with a timer showing '0h 56m 48s left', buttons for 'End Lab', 'Open Console', and 'Validation', and a 'Lab Credentials' section with fields for 'User Name' (labuser_48232_7317743@instructorwhi), 'Password' (Nv3Lh90YRjT77*\$), and 'Resource Group' (ra-eastus-48232-1-186220309071).

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**.

[Home](#) >


Resource groups

Default Directory (instructorwhizlabs.onmicrosoft.com)

[+](#) Create [⚙️](#) Manage view [v](#) [🔄](#) Refresh [↓](#) Export to CSV [🔗](#) Open query | [🏷️](#) Assign tags

Filter for any field... Subscription equals **all** Location equals **all** [✕](#) [+🔍](#) Add filter

Showing 1 to 1 of 1 records.

<input type="checkbox"/>	Name ↑↓
<input type="checkbox"/>	 rg_org_eastus_ [redacted]

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



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

[+](#) Create [⚙️](#) Manage view [v](#) [🗑️](#) Delete resource group [🔄](#) Refresh [↓](#) Export to CSV [🔗](#) Open query | [🏷️](#) Assign tags [⋮](#)

✓ Essentials

[Resources](#) [Recommendations](#)

Filter for any field... Type equals **all** [✕](#) Location equals **all** [✕](#) [+🔍](#) Add filter

Showing 1 to 2 of 2 records. ☐ Show hidden types ⓘ [No grouping](#) [v](#) [☰](#) List view

- [→](#) Move [>](#)
- [🗑️](#) **Delete**
- [↓](#) Export template
- [📱](#) Open in mobile

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

☐ Apply force delete for selected Virtual machines and Virtual machine scale sets ⓘ

Enter "delete" to confirm deletion *

delete

[Delete](#) [Cancel](#)

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



Delete confirmation

Deleting the selected resources and their internal data is a permanent action and cannot be undone.

[Delete](#)[Go back](#)

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.

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