

Activate Azure with App Service Environment

Student Lab Manual

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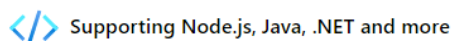
Exercise 1 - Deploy a Web App to the App Service

1. In the Azure Portal, navigate to the Virtual Machine that you created in Lab 2.
2. From the Virtual Machine portal window, click on **Bastion** from the **Operations** menu
3. From the **Bastion** window, click on **Deploy Bastion**
4. Enter the **Username** and **Password** that you used when you created the VM in Lab 2.
5. Click on **Connect**
6. Click on **Allow** to enable the pasting of clipboard items
7. Open a web browser, and navigate to the URL of the App Service created in Lab 2. (Example: <https://webapp1.my-ase.appserviceenvironment.net/>). You should see the default App Service site appear.



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.



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

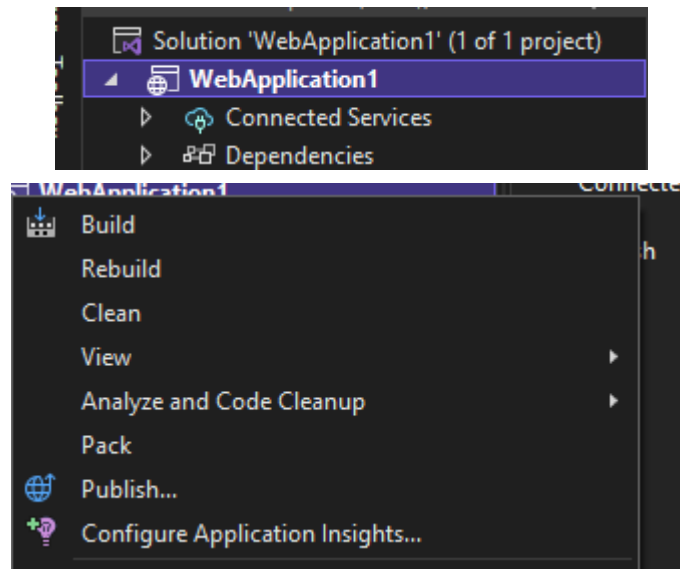
8. Confirm you can not access that same site from the Internet by opening a browser on your computer and navigating to the same URL.
9. On the VM, open Visual Studio

10. Create a web app:

1. Click on **Create a new project**
2. In the **Search for templates** search box, enter **ASP.NET Core Web App**
3. Select **ASP.NET Core Web App**
4. Click **Next** in the lower bottom right corner
5. For **Project name**, enter an appropriate name
6. Click **Next** in the lower bottom right corner
7. For **Framework**, select **.NET 6.0 (Long-term support)**
8. For **Authentication type**, select **None**
9. Leave all other items as default.
10. Click **Create** in the lower bottom right corner
11. After the application has created, click on **Debug -> Start Debugging**
12. Confirm the web app starts up with no errors

11. Publish web app:

1. Right click on the Solution name in the Solution Explorer



2. Select **Publish**
3. In the **Publish** popup window, select **Azure**, then click **Next**
4. Select **Azure App Service (Windows)**, then click **Next**
5. If necessary, log into your Azure account
6. Select the **App service** that you created in Lab 2
7. Click **Finish**
8. Click the **Publish** button to publish to Azure

12. After the app has been published, in the VM, verify you can see new website in a browser.

Exercise 2 - Configure the App Gateway to point to App Service

1. Navigate to the Web App created in Lab 2.
2. Under the **Settings** menu on the left, click on **TLS/SSL settings**
3. Under **Protocol Settings**, set **HTTPS Only** to **Off**
4. Navigate to the Application Gateway created in Lab 2.
5. Under the **Settings** menu on the left, click on **Backend pools**.
6. Click on the Backend pool that was created in Lab 2.
7. Under **Target type**, select **App Services**
8. Under **Target** select the App service created in Lab 2. (Example: *webapp1*)
9. Click **Save**.
10. Under the **Settings** menu on the left, click on **Backend settings**.
11. For **Override with new host name**, select **Yes**
12. For **Host name override**, select **Override with specific domain name** and enter the domain name, without the *https://*. (Example: *webapp1.my-ase.appserviceenvironment.net*)
13. Click **Save**
14. Under the **Settings** menu on the left, click on **Health probes**.
15. Click **+ Add**.
16. For **Name**, enter an appropriate name.
17. For **Protocol**, select **HTTP**.
18. For **Host**, enter "127.0.0.1"
19. For **Pick host name from backend settings**, select **Yes**.
20. For **Pick port from backend settings**, select **Yes**.
21. For **Path**, enter **/**.
22. For **Backend settings**, select the previously created **Backend Settings**
23. Leave all other settings as default.
24. Click on **Test**
25. After the test runs, confirm there is a green circle with a checkmark under **Status**
26. Click **Save**
27. Open a browser window on your desktop and navigate to the Public IP address of the Application Gateway.
28. In the Application Gateway menu, click on **Overview**.
29. Copy the IP address next to **Frontend public IP address**.
30. Using the IP address from the previous step, verify you can see the website from the App Service in your computer's browser (not the VM).