AWS Setup

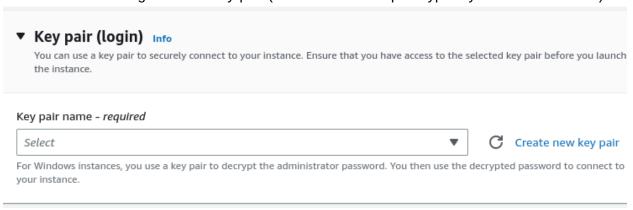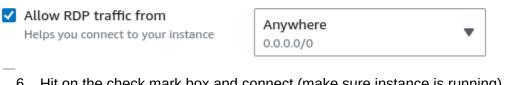1. Head over to AWS (https://aws.amazon.com/) : create an account
2. On the top left click on services the click on EC2 instance
3. Click on windows: Windows Server 2022 Base (free tier)
4. Make sure to generate a key-pair (remember the file path typically in download folder)

▼ **Key pair (login)** Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

[Select   ▼]   ↻ Create new key pair

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.

5. Allow rdp, https and http (http for testing purposes)

We'll create a new security group called '**launch-wizard-2**' with the following rules:

☑ **Allow RDP traffic from**
Helps you connect to your instance

[Anywhere
0.0.0.0/0   ▼]

6. Hit on the check mark box and connect (make sure instance is running)

| ☐ | utificaiton | i-0267b8ef9682c015c | ⊖ Stopped | ⊕⊖ | t2.micro | – | No alarms + | us-west-1c | – | – |

7. Click on rdp client and hit get password button
8. Hit browse key pair and upload the key-pair you just generated in step 4
9. Decrypt the password
10. Download the remote desktop file
11. Copy the password
12. Execute the remote desktop file in step 10
13. Once inside EC2 instance hit the windows key and click on server manager
14. Click on add roles and features
15. Click next until reaching "Server Roles"
16. Toggle on Web Server(IIS)
17. Click next until reaching "Features"
18. Toggle on
    a. ASP.NET 4.7
19. Click next until reaching "Role Services"
20. Toggle on
    a. Basic Authentication (under security)
    b. .NET Extensibility 4.7 (under Application Development)
    c. ASP.NET 4.7 (under Application Development)
    d. ISAPI Extensions (under Application Development)

     e.   ISAPI Filters (under Application Development)
     f.   Management Service (under Management Tools)
21. Finish process by clicking on install
22. Download and install runtime environment
(https://dotnet.microsoft.com/en-us/download/dotnet/thank-you/runtime-aspnetcore-6.0.1
4-windows-hosting-bundle-installer)
23. On visual studio on your local machine have project open and right click on solution
folder and hit publish to local
     a.   Take note of target location
     b.   Make sure target runtime is set to win-x64
24. Save file onto a cloud service of your choice
25. Back into EC2 instance, you login to the cloud server that you chose and download the
folder
26. Open IIS
27. Click on sites and right click to add a site
28. Set a name
29. Set the physical path to the location of the folder you've just drag and dropped.
30. Test by clicking on Browse:80(http) (located on the right side)

Browse Website
Browse *:80 (http)
Advanced Settings...