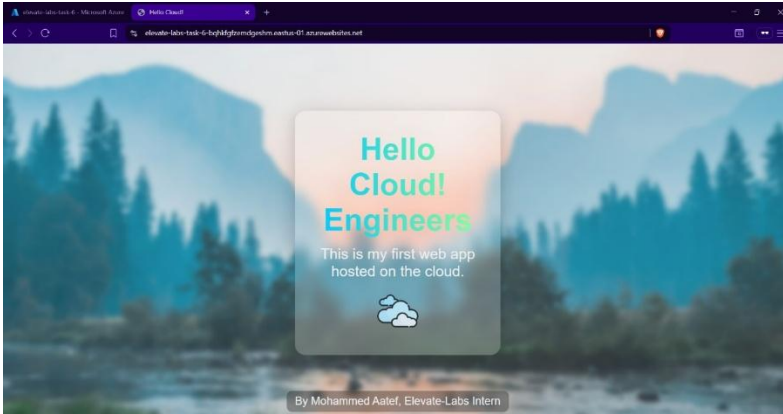
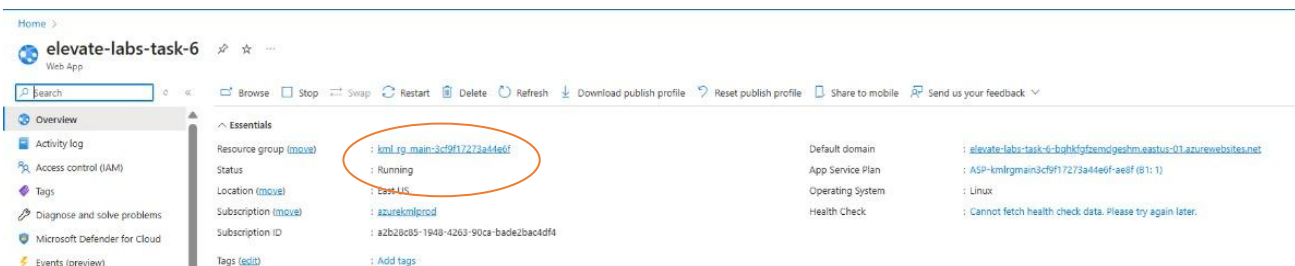


***Deliverables: ***

*** Deployed web app URL (running live)**



*** Cloud Console with your app running**



*** Source code folder (ZIP or GitHub repo)**

<https://github.com/aatef14/Elevate-labs-task-6/tree/main/static-web>

*** Short note explaining deployment steps**

This project demonstrates how I deployed a **static website** on **Microsoft Azure App Service**. The website was developed using **HTML** and **CSS**, focusing on a clean and responsive design.

To simplify the deployment and ensure environment consistency, I **containerized the entire web application using Docker**. By creating a Docker image, I could package the web server configuration and the static files together, making it easy to deploy and run the same setup anywhere — whether locally or on Azure.

During development, I also added a **customization feature** that allows users to **dynamically change the footer text** of the web page through a variable. This provides flexibility for branding or personalization without modifying the base code.

Once the container image was built, it was pushed to **Docker Hub registry**, and then deployed to **Azure App Service for Containers**, which hosts and serves the static site. This setup ensures scalability, easy updates, and minimal manual intervention during redeployments.

ELEVATE LABS - TASK #6

Name: Mohammed Aatef

Designation: Cloud Intern

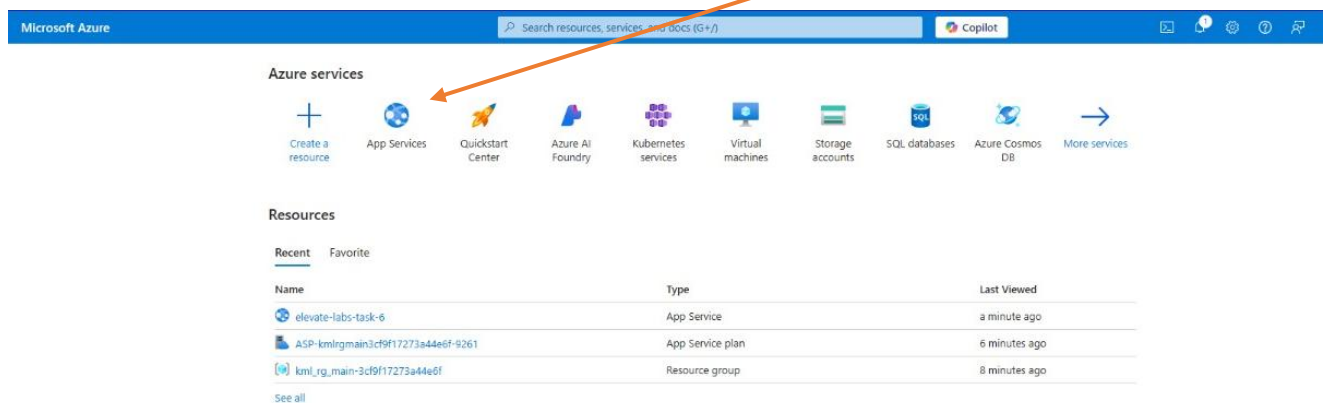
Gmail: moatif1416@gmail.com

GitHub: <https://github.com/aatef14/Elevate-labs-task-6>

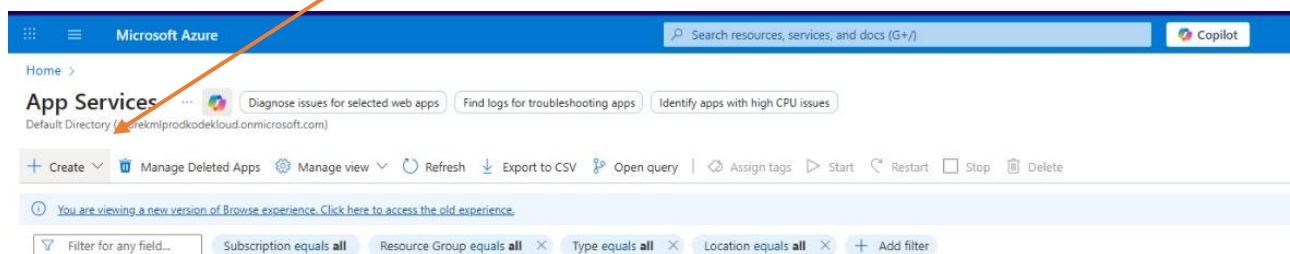
Task #2: Host and Deploy a Web Application on the Cloud.

Objective: To deploy a *static or dynamic web application* (like a simple portfolio or basic HTML app) on a cloud platform using a *virtual machine, App Engine, or web hosting service*.

1. Open <https://portal.azure.com> and click on “APP Services”.



2. Then click on “Create”.



3. Then click on “web-app”.



[+ Create](#) [Manage Deleted Apps](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) [Assign tags](#) [Start](#) [Restart](#) [Stop](#) [Delete](#)

[+ Web App](#)
[+ Web App + Database](#)
[+ WordPress on App Service](#)

[of Browse experience. Click here to access the old experience.](#)

Subscription equals all Resource Group equals all Type equals all Location equals all [+ Add filter](#)

4. Select “subscription” and “resource group” and give a unique name.
As it will be used as domain.

[Home](#) > [App Services](#) >

Create Web App

[Basics](#) [Database](#) [Container](#) [Networking](#) [Monitor + secure](#) [Tags](#) [Review + create](#)

App Service Web Apps lets you quickly build, deploy, and scale enterprise-grade web, mobile, and API apps running on any platform. Meet rigorous performance, scalability, security and compliance requirements while using a fully managed platform to perform infrastructure maintenance. [Learn more](#)

Project Details

Select a subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

azurekmlprod

Resource Group *

kml_rg_main-3cf9f17273a44e6f

[Create new](#)

Instance Details

Name

elevate-labs-task-6

-bqhkfgfzemdgeshm.eastus-01.azurewebsites.net

☒ Secure unique default hostname on. [More about this update](#)

5. For publishing code, I will docker container.

Publish *

☐ Code ☒ Container

Operating System *

☒ Linux ☐ Windows

Region *

East US

[i](#) Not finding your App Service Plan? Try a different region or select your App Service Environment.

Pricing plans

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

Linux Plan (East US) *

(New) ASP-kmlrgmain3cf9f17273a44e6f-ae8f

[Review + create](#)

< Previous

Next : Database >

6. For pricing keep it basic or free

Microsoft Azure

Search resources, services

Home > App Services >

Create Web App

Name

Publish *

Operating System *

Region *

Pricing plans

App Service plan pricing tier determines the [Learn more](#)

Linux Plan (East US) * ⓘ

Pricing plan

Popular plans

Free F1 0.00 USD/Month (Estimated)
60 CPU Minutes/day included

Basic B1 12.41 USD/Month (Estimated)
ACU: 100, Memory: 1.75 GB, vCPU: 1

Premium V4 P0V4
Memory: 4 GB, vCPU: 1

Premium V4 P1V4
Memory: 8 GB, vCPU: 2

Premium V4 P1MV4
Memory: 16 GB, vCPU: 2

Premium V3 P0V3 56.58 USD/Month (Estimated)
ACU: 195, Memory: 4 GB, vCPU: 1

Premium V3 P1V3 113.15 USD/Month (Estimated)
ACU: 195, Memory: 8 GB, vCPU: 2

Premium V3 P1MV3 135.78 USD/Month (Estimated)
ACU: 195, Memory: 16 GB, vCPU: 2

Isolated V2 I1V2 281.78 USD/Month (Estimated)
ACU: 195, Memory: 32 GB, vCPU: 2

Basic B1 (100 total ACU, 1.75 GB memory, 1 vCPU)

[Explore pricing plans](#)

Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. Your initial instance count will be set based on your zone redundancy configuration. To ensure you'll be able to enable zone redundancy at any point in the lifecycle of your app, enable zone redundancy now. You can decrease the instance count after the App Service plan is created. [Learn more](#)

Zone redundancy

☐

Enabled: Your App Service plan and the apps in it will be zone redundant. The minimum App Service plan instance count will be two.

☒

Disabled: Your App Service plan and the apps in it will not be zone redundant. The minimum App Service plan instance count will be one.

Review + create

< Previous

Next : Database >

7. Click on container in upper tab. And select “other container registries” as we will use docker



Create Web App ...

Basics Database Container Networking Monitor + secure Tags Review + create

Select your preferred source for container images. You can change these settings and other dependencies after creating the app. [Learn more](#)

Sidecar support ☒ Enhanced configuration with sidecar support on [Learn More](#) ↗

Image Source *

☐ Quickstart

☐ Azure Container Registry

☒ Other container registries

Name *

Docker hub options

Access Type *

☒ Public

☐ Private

Registry server URL *

Image and tag * ✓

Port

Startup Command ⓘ

Review + create

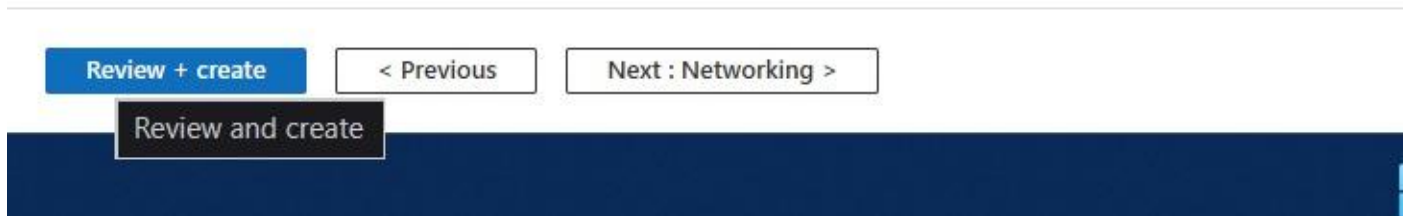
< Previous

Next : Networking >

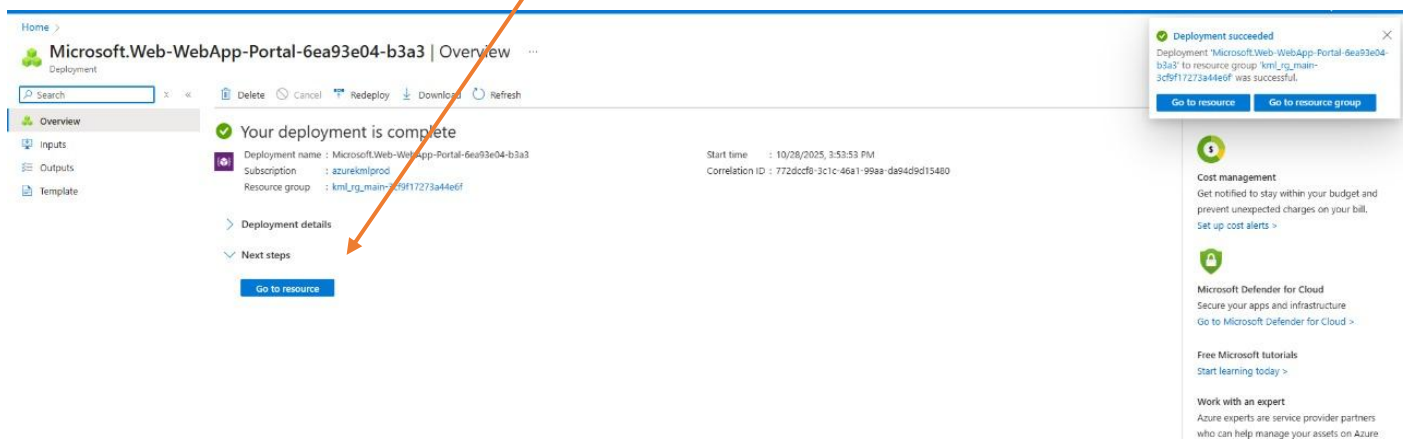
Give any name and in “image and tag” put “aatef14/static-web:v1”

For more info on the image <https://hub.docker.com/r/aatef14/static-web>

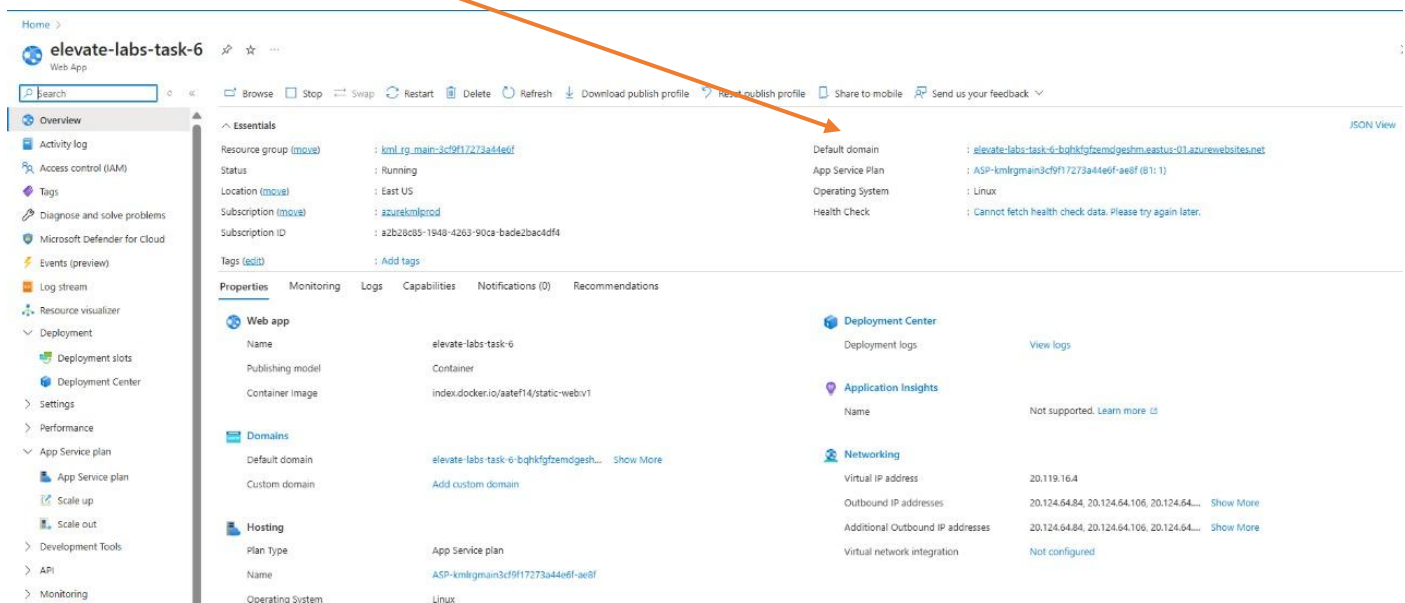
8. Lastly click on review + create.

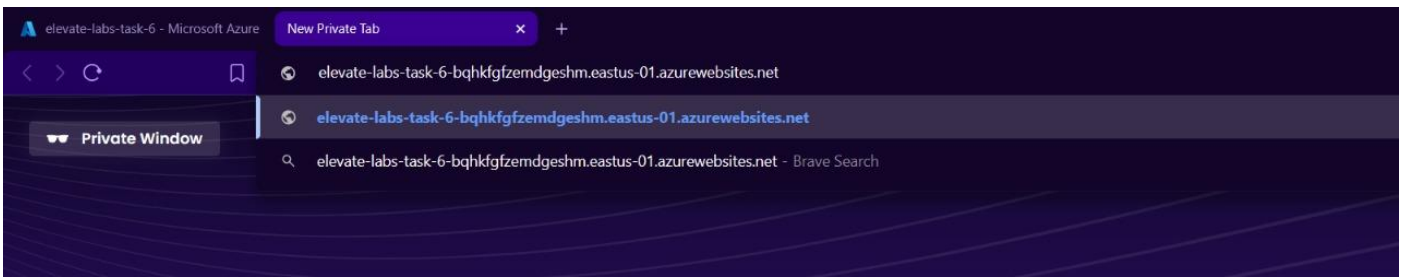


9. Once deployed click on “Go to resource”

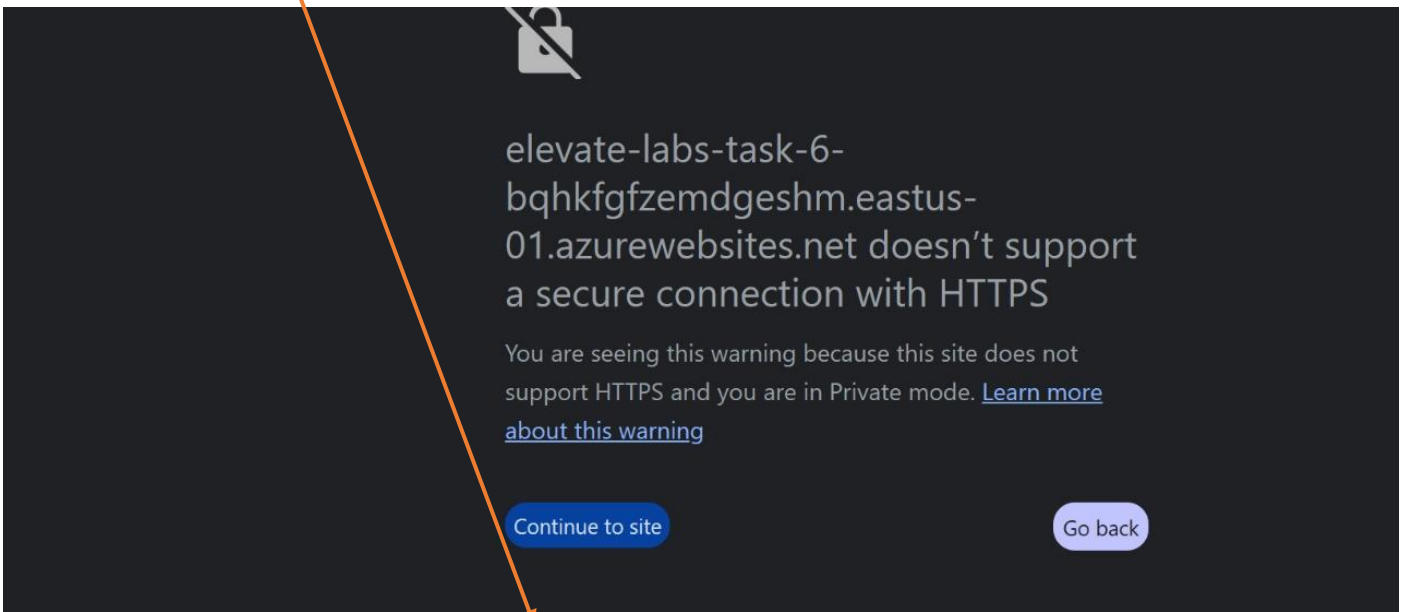


10. You find all the details in overview page of the created app service copy the default domain. And paste it in browser.

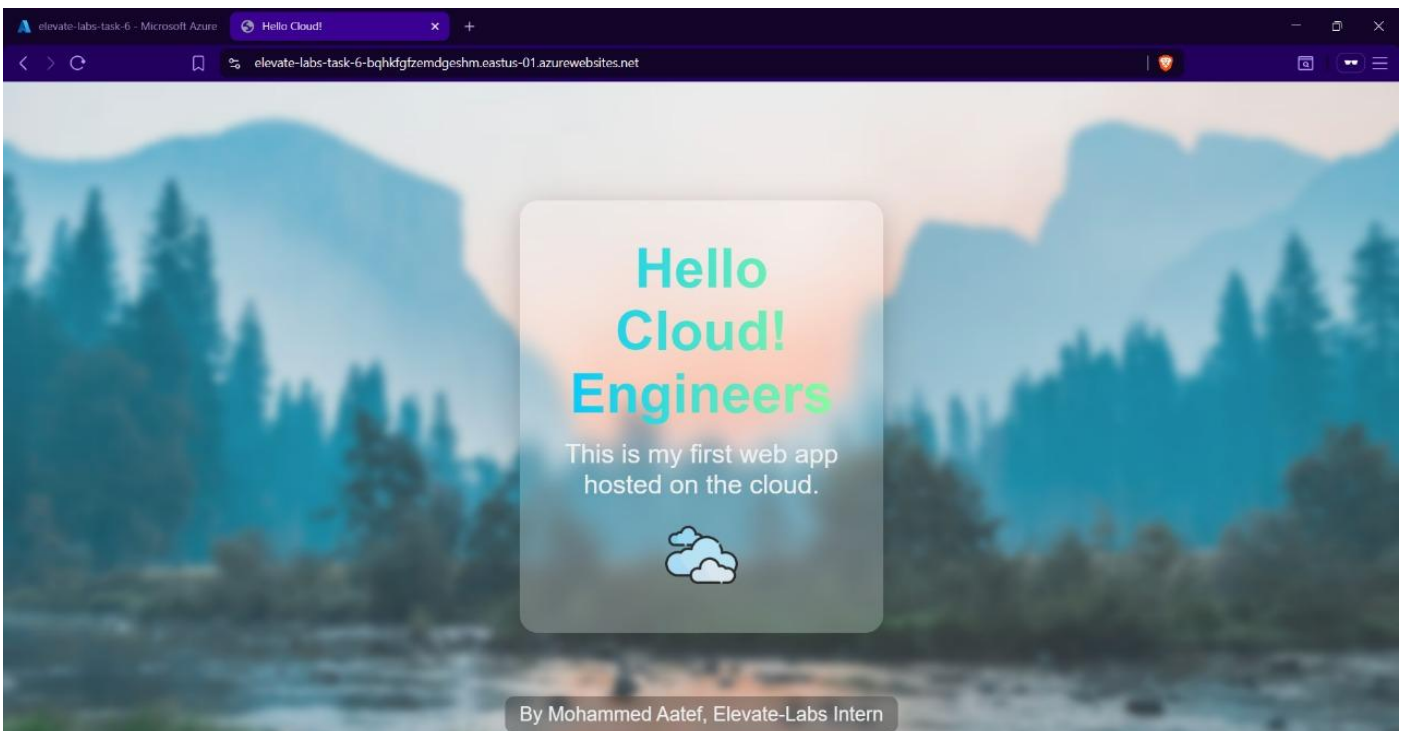




11. As its only http protocol, you will such warning as we are only testing so its fine.
Click on "Continue to site"



Successfully deployed static-website



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