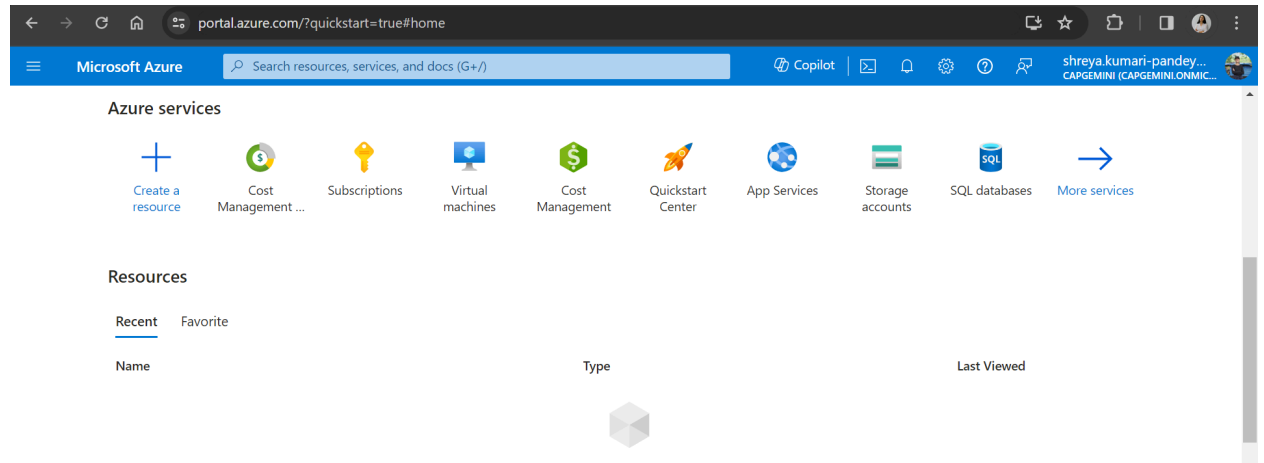


# Deploying an Online Doctor's Clinic Application on Cloud

This section will guide you to deploy an application on: [Azure](#)

**Step 1:** Log into the Azure portal

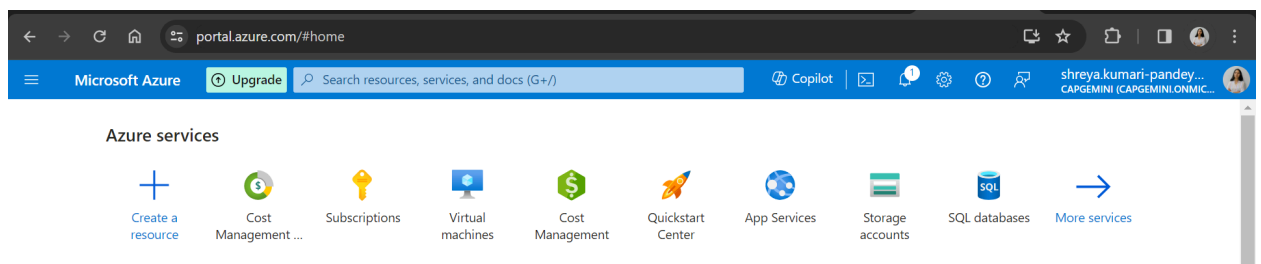


**Step 2:** Before creating the resources, make sure you apply tags to resources so that you can keep a track of billing later.

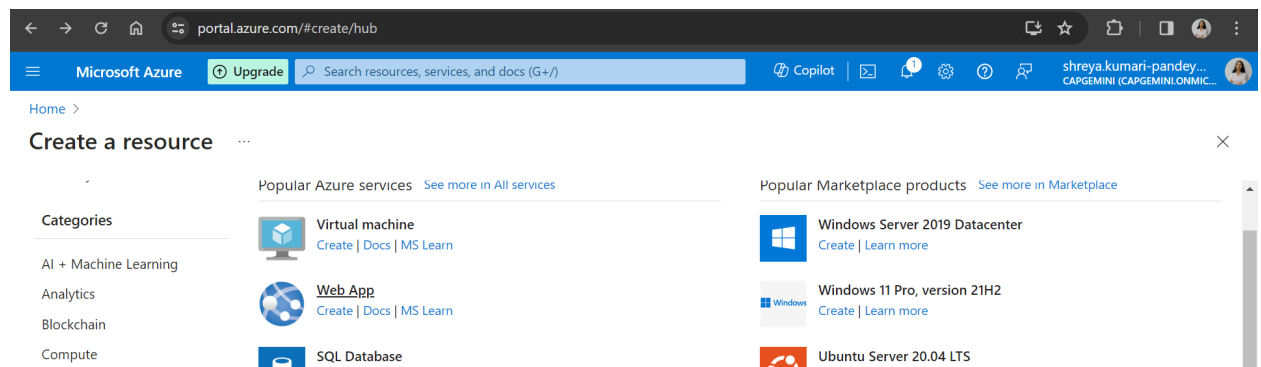
**Step 3:** To begin, create an Azure App Service Plan in Standard Tier

**Step 4:** Create an App Service (Web App) using the App Service Plan that you just created

Step 4.1: Click on **Create a resource**



Step 4.2: Search for Web App and click on **Create**



### Step 4.3: Provide the basic information for the application

This screenshot shows the 'Create Web App' form in the Microsoft Azure portal. The top navigation bar is the same as the previous screenshot. The main content area is titled 'Create Web App' and features a sidebar with tabs: 'Basics', 'Database', 'Deployment', 'Networking', 'Monitoring', 'Tags', and 'Review + create'. The 'Basics' tab is selected. The main section is titled 'Project Details' and contains the following fields: 'Subscription' (set to 'Free Trial'), 'Resource Group' (set to 'rg\_doctorClinic' with a 'Create new' link), 'Instance Details' (set to 'health1app' with a '.azurewebsites.net' suffix), 'Publish' (set to 'Code'), 'Runtime stack' (set to 'ASP.NET V4.8'), 'Operating System' (set to 'Windows'), and 'Region' (set to 'West US'). At the bottom, there is a 'Pricing plans' section with a 'Review + create' button and a 'Next : Database >' button.

Microsoft Azure Upgrade Search resources, services, and docs (Ctrl) Copilot shreyakumari-pandey... CAPSEMINI (@CAPSEMINI ONMAG)

Home > Create a resource > Create Web App ...

azurewebsites.net

Publish \* ☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack \* ASP.NET V4.8

Operating System \* ☐ Linux ☒ Windows

Region \* West US

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](#)

Windows Plan (West US) \* (New) ASP-rghelth1app

Create new

Pricing plan Free F1 (Shared infrastructure)

Zone redundancy

An App Service plan can be deployed as a zone redundant service in the regions that support it. This is a deployment time only decision. You can't make an App Service plan zone redundant after it has been deployed. [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 three.

☒ 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 >

**Note:** Choose the runtime stack as ASP.NET V4.7 and the region as West US or West US 2

#### Step 4.4: In the Monitoring section, select **No** for **Enable Application Insights**

Microsoft Azure Upgrade Search resources, services, and docs (Ctrl) Copilot shreyakumari-pandey... CAPSEMINI (@CAPSEMINI ONMAG)

Home > Create a resource > Create Web App ...

Basics Database Deployment Networking 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. Your bill is based on amount of data used by Application Insights and your data retention settings. [Learn more](#)

App insights pricing

Application Insights

Enable Application Insights \* ☒ No ☐ Yes

Review + create < Previous Next : Tags >

Step 4.5: Click on **Review and Create**

Step 4.6: Click on **Create**

**Create Web App**

**Details**

Subscription	ff56d374-c6d0-420c-8829-a9f7587bbf23
Resource Group	rg_doctorClinic
Name	health1app
Publish	Code
Runtime stack	ASP.NET V4.8
Tags	DoctorApp: Application

**App Service Plan (New)**

Name	ASP-rghealth1app
Operating System	Windows
Region	West US
SKU	Free
ACU	Shared infrastructure
Memory	1 GB memory
Tags	DoctorApp: Application

**Monitoring**

Application Insights	Not enabled
----------------------	-------------

**Deployment**

Basic authentication	Enabled
Continuous deployment	Enabled
GitHub account	shreyaspy
Organization	shreyaspy
Repository	DoctorApp
Branch	main

[Create](#) [< Previous](#) [Next >](#) [Download a template for automation](#)

Step 4.7: This will create the Web App on Azure

**Microsoft.Web-WebApp-Portal-8c22aef2-bb6a | Overview**

**Your deployment is complete**

Deployment name: Microsoft.Web-WebApp-Portal-8c22aef2-bb6a Start time: 3/18/2024, 12:26:58 PM  
 Subscription: Free Trial Correlation ID: 9afac8dc-be9b-4c4b-b97b-2d0ca57789cd  
 Resource group: rg\_doctorClinic

**Deployment details**

**Next steps**

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

[Go to resource.](#)

**Give feedback**

[Tell us about your experience with deployment](#)

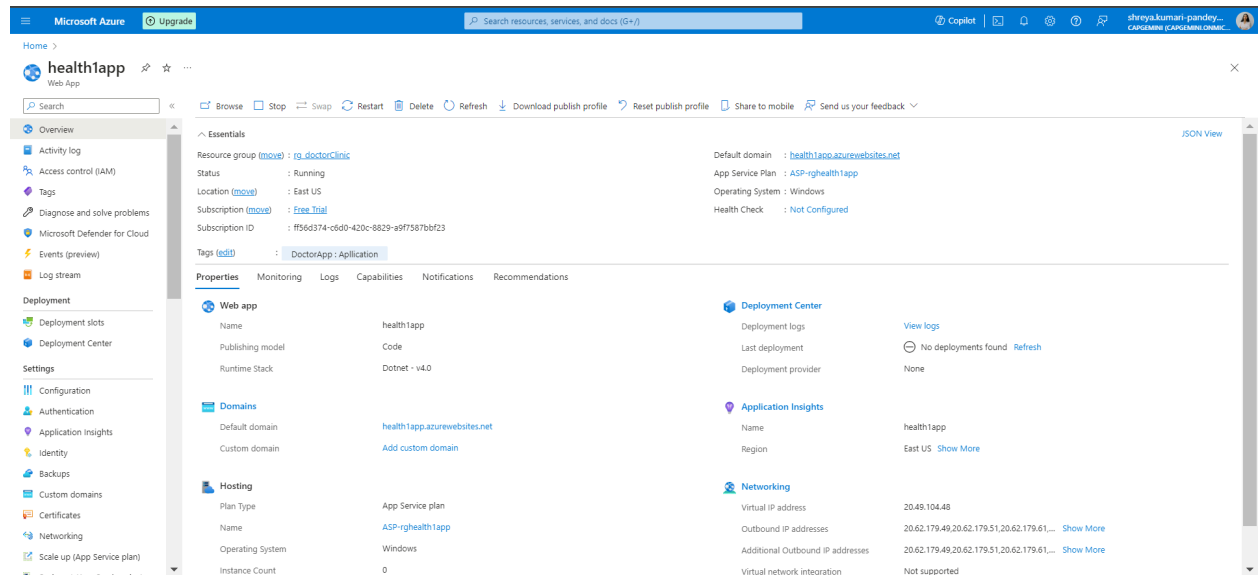
**Cost Management**  
 Get notified to stay within your budget and prevent unexpected charges on your bill.  
[Set up cost alerts >](#)

**Microsoft Defender for Cloud**  
 Secure your apps and infrastructure  
[Go to Microsoft Defender for Cloud >](#)

**Free Microsoft tutorials**  
[Start learning today](#)

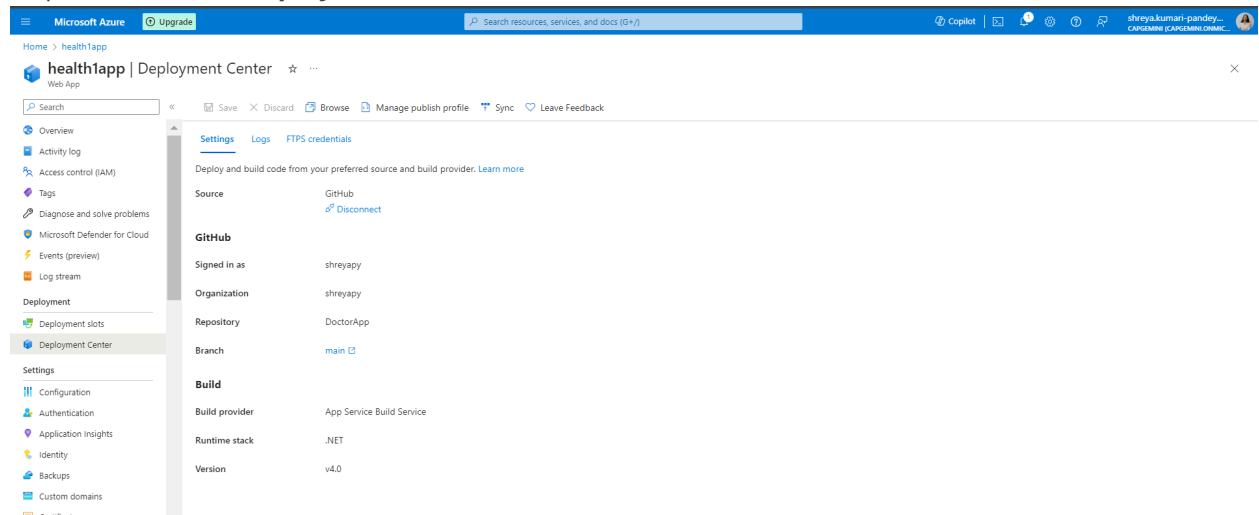
**Work with an expert**  
 Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.  
[Find an Azure expert >](#)

Step 4.8: You can click on **Go to resource** to get the overview of the created web app.



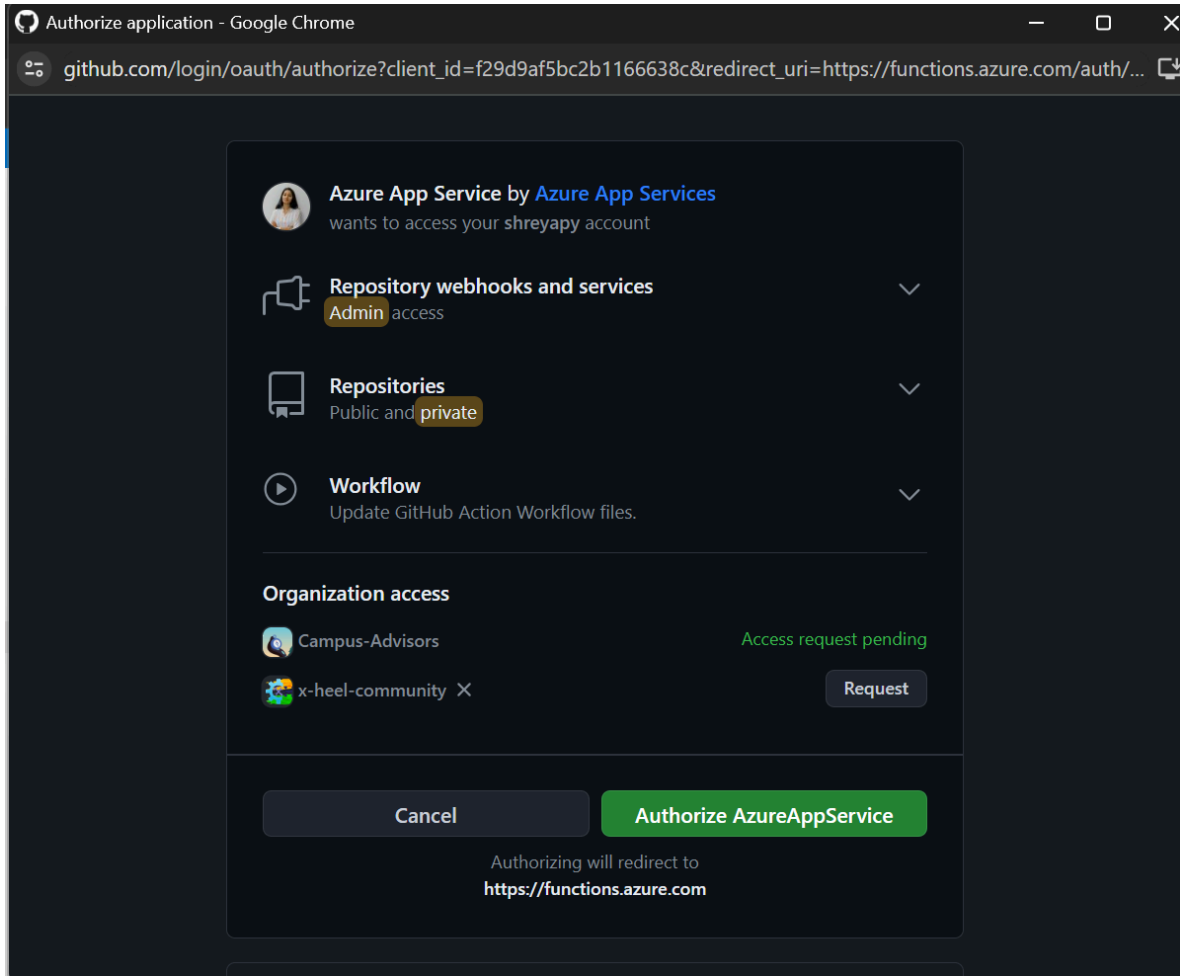
**Step 5:** Deploy your static web app to Azure App Service (Web App) using a method of your choice such as Visual Studio Code, GitHub, or FTP.

### Step 5.1: Go to the **Deployment Center**

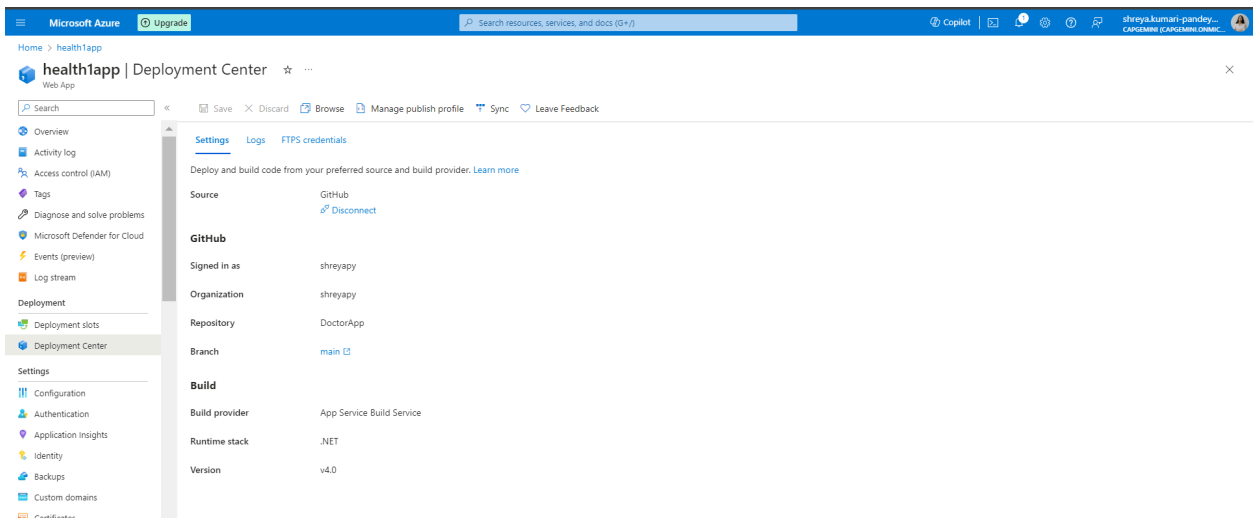


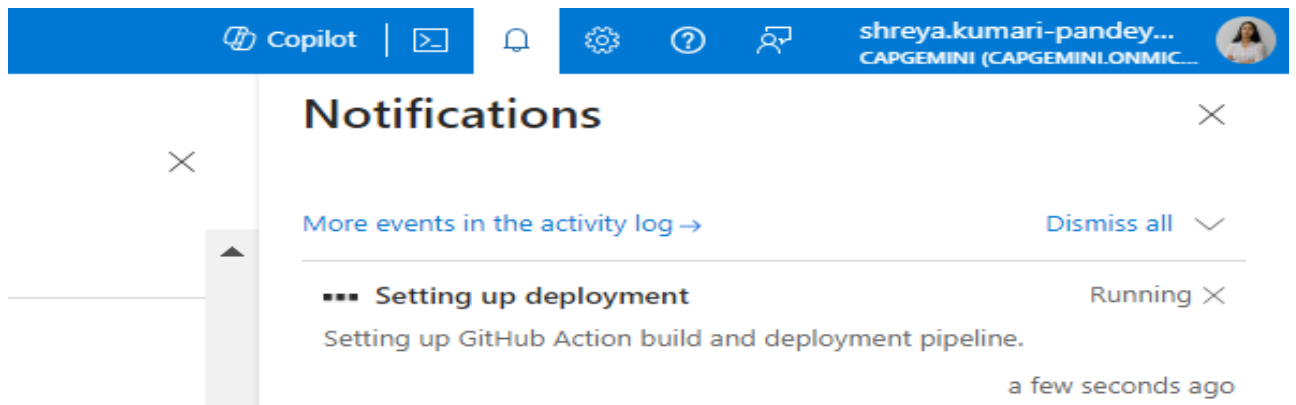
### Step 5.2: Select GitHub

### Step 5.3: Authorize your account

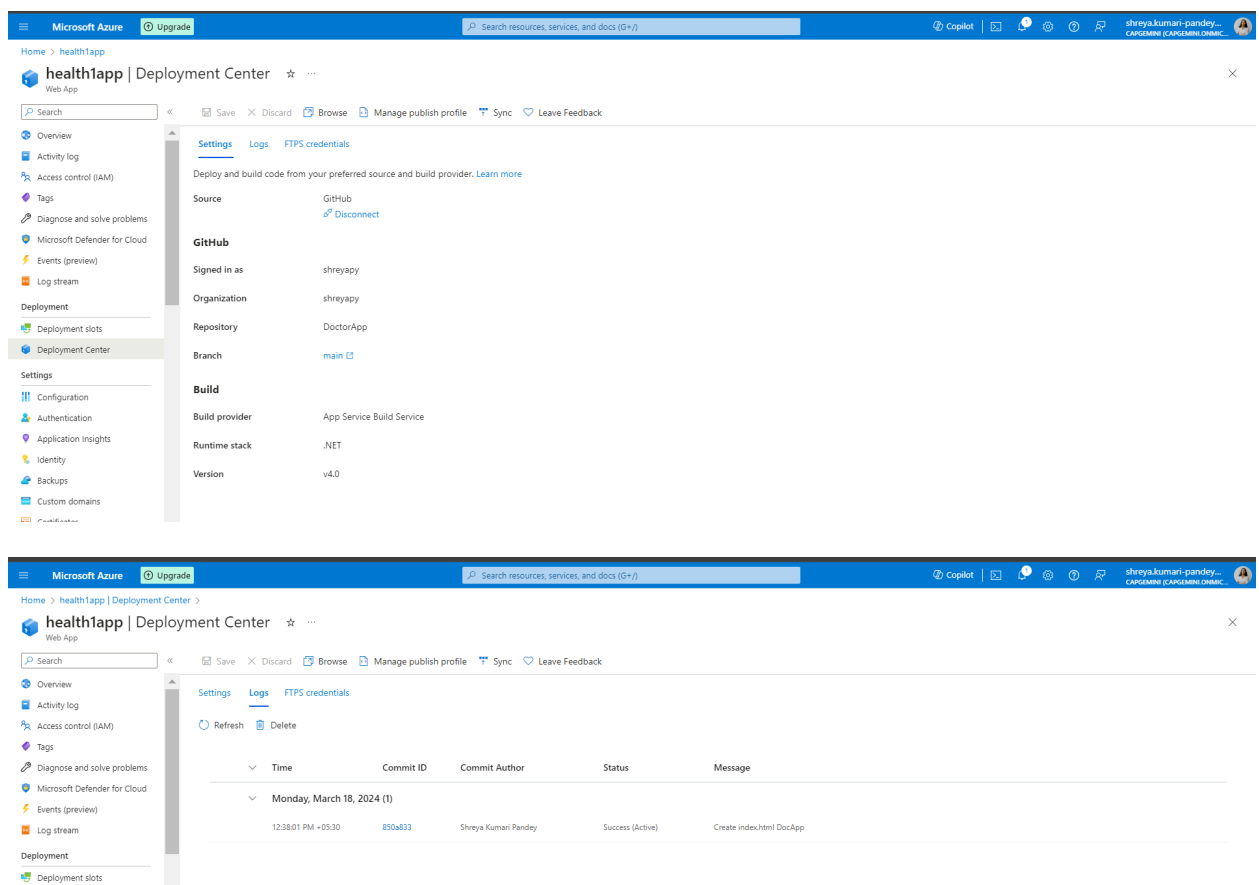


Step 5.4: Select the application files uploaded on GitHub and click on **Continue**



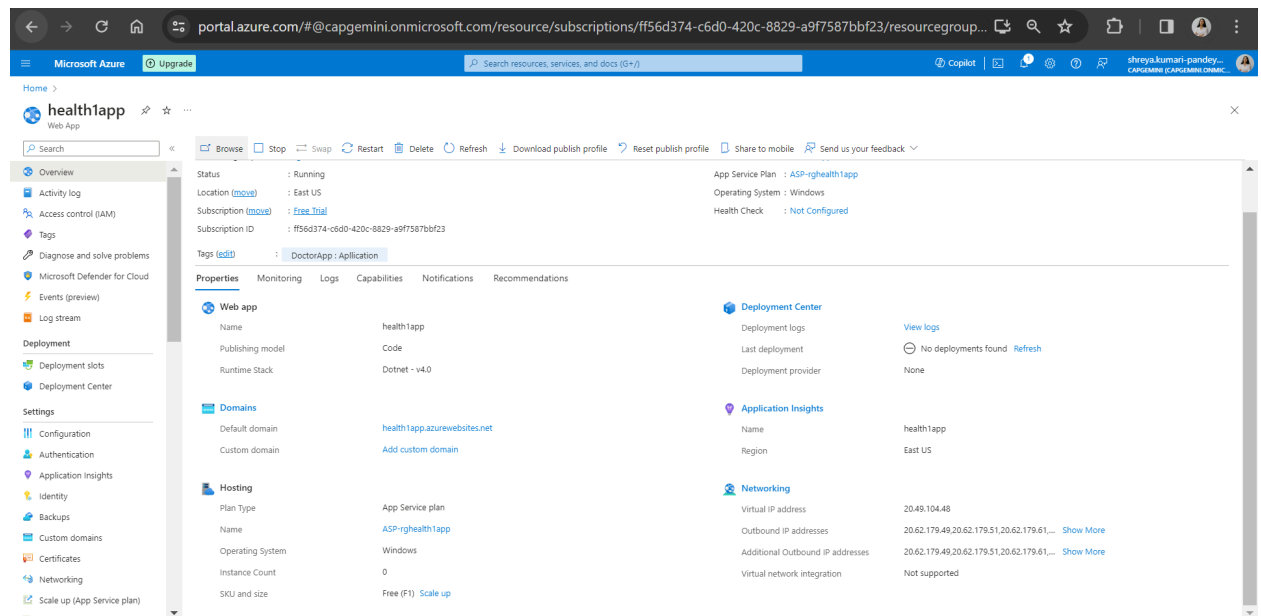


Step 5.5: Click on **Finish**



**Step 6:** Hit the web app endpoint to check if the application is online

Step 6.1: Click on Overview of the web app



Step 6.2: Click on the URL and you will get the application running

The screenshot shows a web browser displaying the 'Appointment Form' at the URL 'health1app.azurewebsites.net'. The form is titled 'Appointment Form' and is set against a red background. It contains several input fields and dropdown menus for user information and appointment details. The fields are: Area (Hyderabad), Hospital Name (NIMS), Patient Name, E-mail, Address, Contact Phone, Time to Contact (5:30a.m.), Appointment Date (January 01, 2001), Timings (5:30a.m.), Prime Complaint, Additional Information about complaint, and How can we inform you (E-mail). There are 'Submit' and 'Reset' buttons at the bottom of the form.

**Step 7:** Now create a CDN profile.

Step 7.1: In the search window, search for CDN profiles



Microsoft Azure

Upgrade

Search resources, services, and docs (G+J)

Copilot

shreya.kumari.pandey...  
CAPGEMINI (CAPGEMINI.ONMIC...

Home >

Front Door and CDN profiles

Capgemini (capgemini.onmicrosoft.com)

+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

Showing 0 to 0 of 0 records.

Name ↑

Pricing tier ↑

Service type ↑

Resource ID ↑

Subscription ↑

Subscription ID ↑

Resource group ↑

Resource group ID ↑

No front door and CDN profiles to display

Azure Front Door and CDN profiles is security led, modern cloud CDN that provides static and dynamic content acceleration, global load balancing and enhanced security for your apps, APIs and websites with intelligent threat protection.

Create front door and CDN profile

Learn more

https://portal.azure.com/#home

Give feedback

Step 7.2: Click on **Add**

portal.azure.com/#create/Microsoft.AFDX

Microsoft Azure

Search resources, services, and docs (G+J)

Copilot

shreya.kumari.pandey...  
CAPGEMINI (CAPGEMINI.ONMIC...

All services > Front Door and CDN profiles >

Compare offerings

Microsoft Azure

Choose between Azure Front Door and other offerings.

Azure Front Door

Azure Front Door is a secure cloud CDN which provides static and dynamic content acceleration, global load balancing and protection of your apps, APIs and websites with intelligent threat protection.

Explore other offerings

See offerings for our Azure Front Door (classic) and Azure CDN Standard from Microsoft (classic), along with our partner offerings.

Choose other offerings

Azure Front Door (classic)

A global and scalable entry point that uses Microsoft global network to provide dynamic application acceleration, load balancing and security.

Azure CDN Standard from Microsoft (classic)

A global content delivery network that uses Microsoft global network for content caching and acceleration.

Azure CDN Premium from Edgio

Edgio Media operates a global CDN platform with a focus on media streaming, delivery and security.

Azure CDN Standard from Edgio

Edgio Media operates a global CDN platform with a focus on media streaming, delivery and security.

Continue

Give feedback

Step 7.3: Provide the information to create the CDN and click on **Create**

Microsoft Azure

Search resources, services, and docs (G+)

shreya.kumari.pandey... CAPGEMINI (CAPGEMINI.ONMIC...

All services > Front Door and CDN profiles > Compare offerings >

## CDN profile

Basics Tags Review + create

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources. [Learn more](#)

Subscription \* Free Trial

Resource group \* DefaultResourceGroup-EUS [Create new](#)

Resource group region East US

Profile details

Name \* Healthcare

Region Global

CDN profiles are global resources that work across Azure regions

Pricing tier \* Microsoft CDN (classic) [View full pricing details](#)

Endpoint settings

Create a new CDN endpoint ☒

[Review + create](#) < Previous Next: Tags >

**Step 8:** Use CDN profile to create an endpoint.

Step 8.1: Go to the created CDN

Step 8.2: Click on **Endpoint**

Step 8.3: Provide the basic information about the endpoint and click on **Add**

Home > CDN profiles >

## CDN profiles

Default Directory

+ Add Manage view ...

Filter by name...

Name ↑

healthcare

healthcare

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Properties

Quickstart

Locks

Export template

Support + troubleshooting

Resource health

New support request

Search (Ctrl+/)

+ Endpoint Purge Move Delete

Resource group (change) : rg-asmita.ray\_simplilearn-br5

Status : Active

Subscription (change) : Microsoft Azure Sponsorship

Subscription ID : 34f4ae1c-3e38-4e06-ae03-4f...

### Endpoints

Hostname

No endpoints are associated with this profile

### Add an endpoint

Allows configuring content delivery behavior and access.

Name \* health1

Origin type \* Web App

Origin hostname \* health1app.azurewebsites.net

Origin path /Path

Origin host header health1app.azurewebsites.net

Protocol HTTP HTTPS

Origin port 80 443

[Add](#) Automation options

Step 8.4: Go to the created CDN endpoint and click on **Origin hostname**.

Step 8.5 Your application is running.

**Appointment Form**

Area: Bangalore

Hospital Name: Apollo

Patient Name:

E-mail:

Address:

Contact Phone:

Appointment Date: January 01 2001

Timings: 5:30a.m

Prime Complaint:

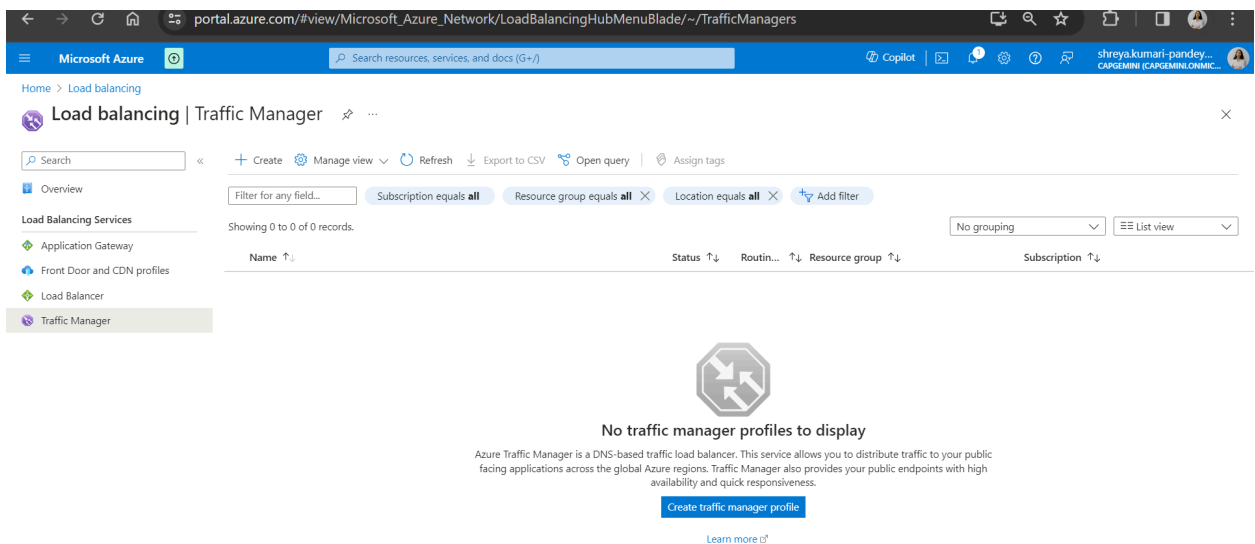
Additional Information about complaint:

How can we inform you: E-mail

**Step 9:** Repeat steps 2 to 7 to create multiple deployments of your application in different regions so that you can meet the global traffic demand.

**Step 10:** To make sure that traffic coming from different parts of the world is load balanced at DNS level, create a Traffic Manager Profile

Step 10.1: In the search window, search for Traffic Manager Profile and click on **Add** to create a new traffic manager profile.



## Step 10.2: Provide the required information and click on **Create** to create the Traffic Manager Profile

Microsoft Azure

Home > Load balancing | Traffic Manager >

### Create Traffic Manager profile

Name \*  
Health2 ✓

Routing method  
Performance ✓

Subscription \*  
Free Trial ✓

Resource group \*  
rg\_doctorClinic ✓  
[Create new](#)

Resource group location ⓘ  
East US ✓

Microsoft Azure

Home > Load balancing

### Load balancing | Traffic Manager

Search

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

Showing 1 to 1 of 1 records.

<input type="checkbox"/>	Name ↑↓	Status ↑↓	Routin... ↑↓	Resource group ↑↓	Subscription ↑↓	
<input type="checkbox"/>	Health2	Enabled	Performance	rg_doctorClinic	Free Trial	***

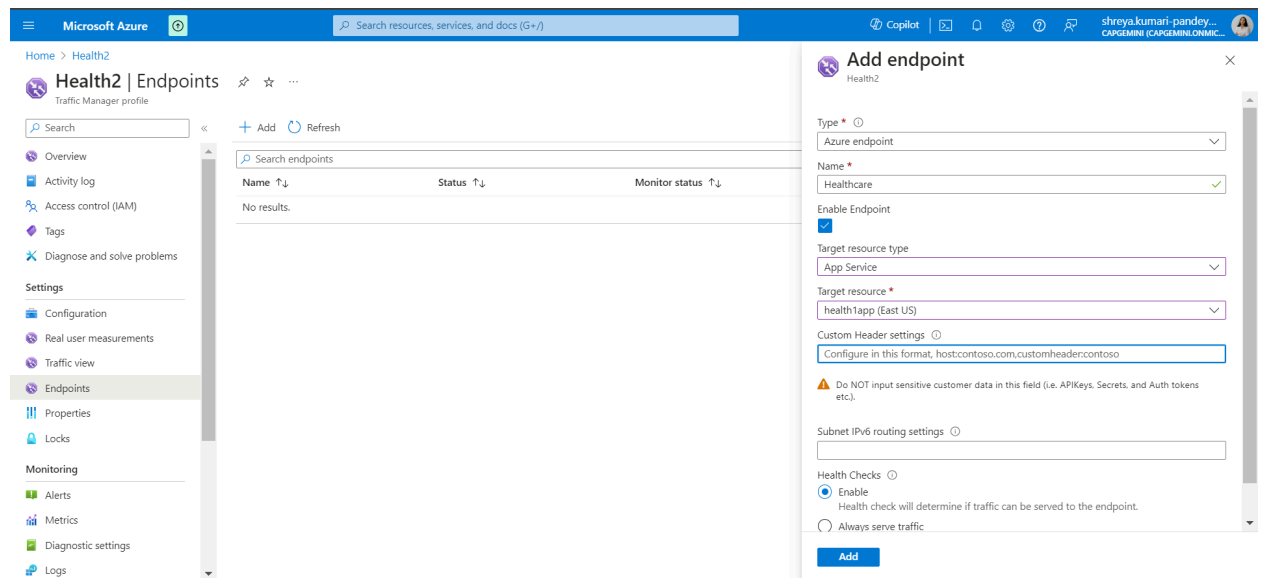
Navigation: Overview, Load Balancing Services (Application Gateway, Front Door and CDN profiles, Load Balancer, Traffic Manager)

**Step 11:** Create endpoints in the traffic manager corresponding to each CDN endpoints that you have created.

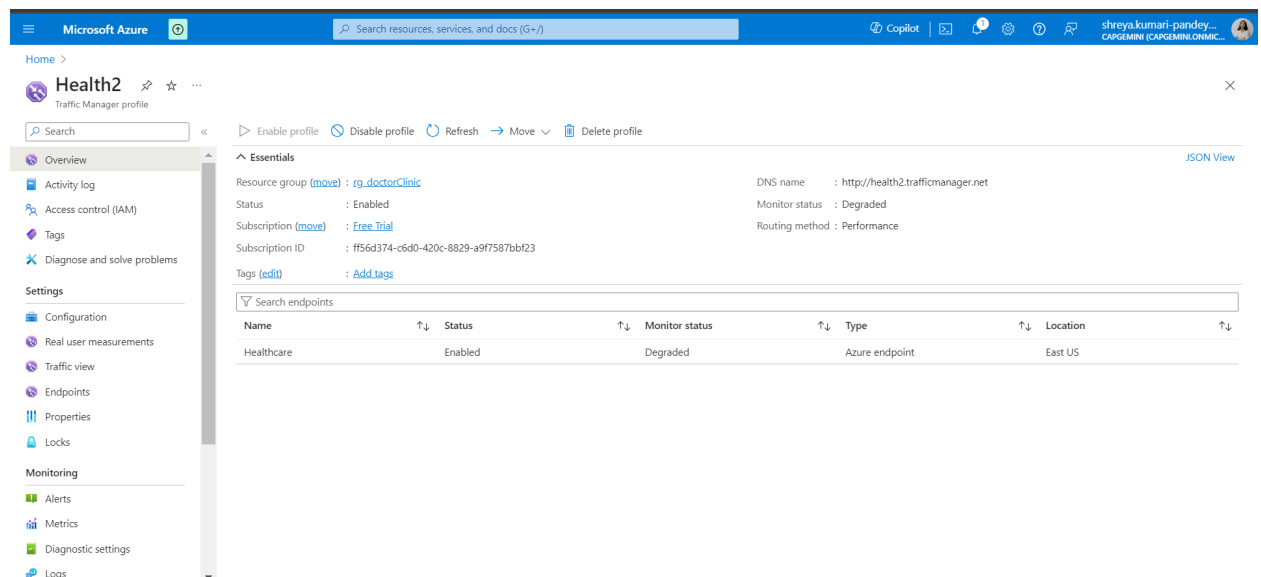
Step 11.1: Go to the created Traffic Manager Profile

Step 11.2: Click on **Endpoints**. Click on **Add** to add new endpoints.

Step 11.3: Provide the required information and click on **Add**.



Step 11.4: Once the monitor status is online, copy the link of the DNS name and check whether the application is online or not.



Your application is running.

The screenshot shows a web browser window with the address bar displaying "health2.trafficmanager.net". The page has a red background and is titled "Appointment Form". The form contains the following fields and controls:

- Area:** A dropdown menu with "Bangalore" selected.
- Hospital Name:** A dropdown menu with "Apollo" selected.
- Patient Name:** A text input field.
- E-mail:** A text input field.
- Address:** A text input field.
- Contact Phone:** A text input field.
- Appointment Date:** A date picker showing "January 01, 2001".
- Timings:** A dropdown menu with "5:30a.m" selected.
- Prime Complaint:** A text input field.
- Additional Information about complaint:** A text input field.
- How can we inform you:** A dropdown menu with "E-mail" selected.
- Time to Contact:** A dropdown menu with "5:30a.m" selected.
- Buttons:** "Submit" and "Reset" buttons at the bottom.

**Step 12:** Optionally, if you want to add the application in your own domain, you can configure the traffic manager to point to a custom domain.

**Step 13:** As good practice, follow the principle of least privilege so that you give access to the services that need to be accessed within the Azure portal.