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Roll Number: 31031521005 / 22-15405

Class: Msc. Computer Science

Subject: Cloud Computing

Year: 2022-23

Practical 5

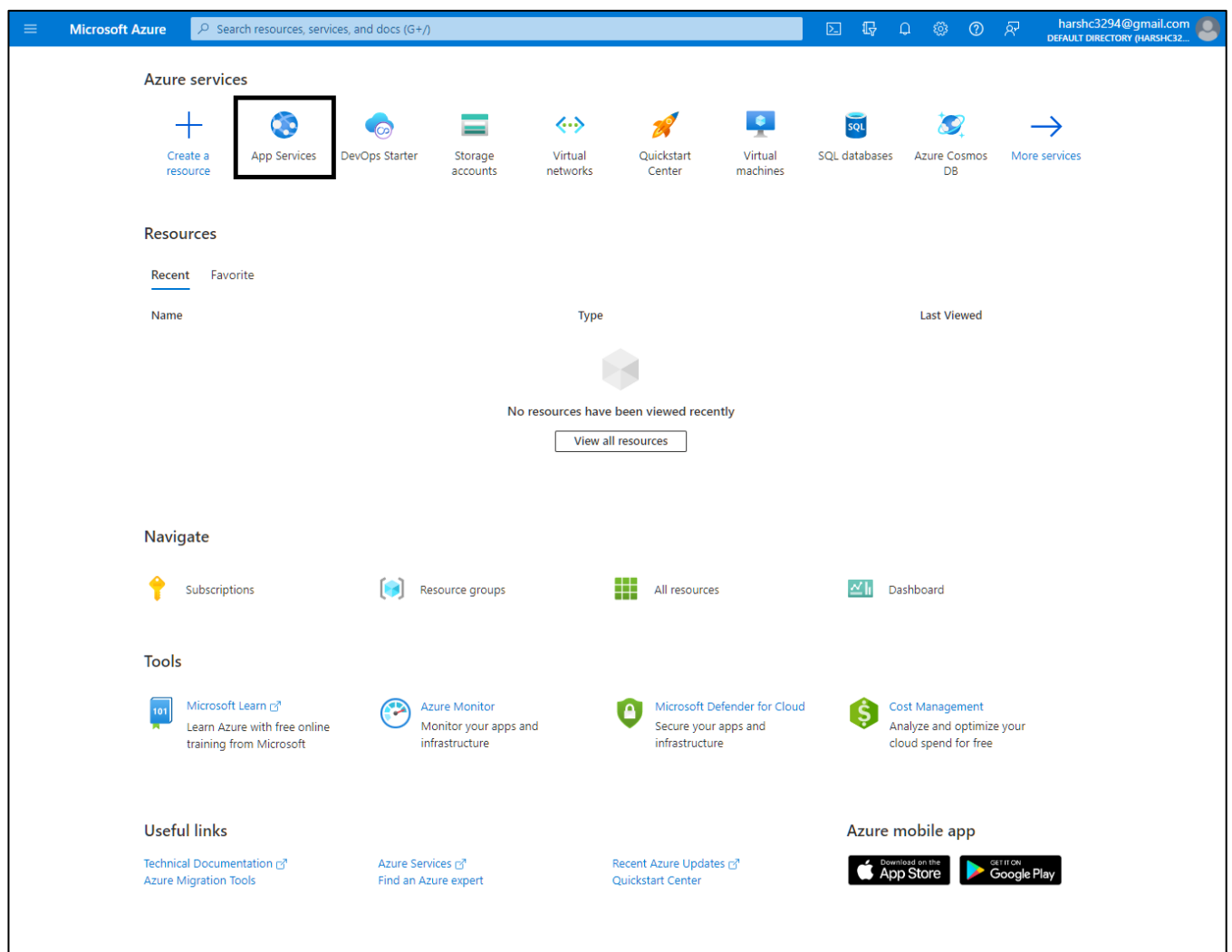
Aim: Demonstration of SaaS cloud

Code:

Manage the Azure app

To manage your web app, go to the Azure portal, and search for and select App Services.

On the **App Services** page, select the name of your web app.



The screenshot shows the Microsoft Azure portal interface for App Services. At the top, the navigation bar includes the Microsoft Azure logo, a search bar, and user information (harshc3294@gmail.com). Below the navigation bar, the 'App Services' section is displayed. A red box highlights the '+ Create' button. To the right of the 'Create' button are several action buttons: 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Start', 'Restart', 'Stop', and 'Delete'. Below these buttons is a filter bar with a search input 'Filter for any field...' and three filter buttons: 'Subscription equals all', 'Resource group equals all', and 'Location equals all'. There is also an 'Add filter' button. Below the filter bar is a table header with columns: 'Name', 'Status', 'Location', 'Pricing Tier', 'App Service Plan', 'Subscription', and 'App Type'. The table is currently empty, and a large message 'No app services to display' is centered on the screen. Below this message is a description of App Services and a 'Create app service' button. At the bottom, there is a link 'Learn more about App Service' and a 'Give feedback' button.

Microsoft Azure

Search resources, services, and docs (G+)

Home >

App Services

Default Directory (harshc3294gmail.onmicrosoft.com)

+ Create Manage view Refresh Export to CSV Open query Assign tags Start Restart Stop Delete

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

No grouping List view

Name Status Location Pricing Tier App Service Plan Subscription App Type

No app services to display

Create, build, deploy, and manage powerful web, mobile, and API apps for employees or customers using a single back-end. Build standards-based web apps and APIs using .NET, Java, Node.js, PHP, and Python.

Create app service

Learn more about App Service Give feedback

Microsoft Azure

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

Create Web App

[Basics](#) [Deployment](#) [Networking](#) [Monitoring](#) [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 *

Azure for Students

Resource Group *

Harsh

[Create new](#)

Instance Details

Need a database? [Try the new Web + Database experience.](#)

Name *

huluc1one

.azurewebsites.net

Publish *

☒ Code ☐ Docker Container ☐ Static Web App

Runtime stack *

Node 16 LTS

Operating System *

☒ Linux ☐ Windows

Region *

Central US

Not finding your App Service Plan? Try a different region or select your App Service Environment.

App Service Plan

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

Linux Plan (Central US) *

(New) ASP-Harsh-a4a4

[Create new](#)

Sku and size *

Basic B1

100 total ACU, 1.75 GB memory

[Change size](#)

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](#)







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Create Web App

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Basics

Deployment

Networking

Monitoring

Tags

Review + create

Enable GitHub Actions to continuously deploy your app. GitHub Actions is an automation framework that can build, test, and deploy your app whenever a new commit is made in your repository. If your code is in GitHub, choose your repository here and we will add a workflow file to automatically deploy your app to App Service. If your code is not in GitHub, go to the Deployment Center once the web app is created to set up your deployment. [Learn more](#) Ⓐ

GitHub Actions settings

Continuous deployment

☒ Disable ☐ Enable

GitHub Actions details

Select your GitHub details, so Azure Web Apps can access your repository.

GitHub account

Authorize

Organization

Select organization

Repository


Select repository

Branch

Select branch

Workflow configuration

File with the GitHub Actions workflow configuration.

 Complete the Basics tab and the form above to preview the GitHub Actions workflow file.

Preview file

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Create Web App

Basics Deployment **Networking** Monitoring Tags Review + create

Web Apps can be provisioned with the inbound address being public to the internet or isolated to an Azure virtual network. Web Apps can also be provisioned with outbound traffic able to reach endpoints in a virtual network, be governed by network security groups or affected by virtual network routes. By default, your app is open to the internet and cannot reach into a virtual network. These aspects can also be changed after the app is provisioned. [Learn more](#)

Enable network injection * ☐ On ☒ Off

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Create Web App

Basics 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. [Learn more](#)

Application Insights

Enable Application Insights * ☒ No ☐ Yes

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Basics Deployment Networking Monitoring **Tags** Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups.

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name	Value	Resource
<input type="text"/>	<input type="text"/>	2 selected

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Create Web App

Basics Deployment Networking Monitoring Tags Review + create

Summary

Web App by Microsoft

Basic (B1) sku
Estimated price - 946.67 INR/Month

Details

Subscription	dae0e6b2-cbcb-4871-9b55-35c6aeeebd02
Resource Group	Harsh
Name	hulucclone
Publish	Code
Runtime stack	Node 16 LTS

App Service Plan (New)

Name	ASP-Harsh-a4a4
Operating System	Linux
Region	Central US
SKU	Basic
Size	Small
ACU	100 total ACU
Memory	1.75 GB memory

Monitoring

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

Deployment

Continuous deployment	Not enabled / Set up after app creation
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Create < Previous Next > Download a template for automation

Microsoft Azure Search resources, services, and docs (G+/)

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Microsoft.Web-WebApp-Portal-2533241d-b620 | Overview

Deployment

Search < Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

We'd love your feedback! →

Deployment is in progress

Deployment name: Microsoft.Web-WebApp-Portal-2533241... Start time: 9/24/2022, 6:11:57 PM
Subscription: [Azure for Students](#) Correlation ID: dff6b4ef-d542-41f9-b2cf-d3b4a6b1f129
Resource group: [Harsh](#)

Deployment details

Resource	Type	Status	Operation details
No results.			

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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 >](#)

The screenshot displays the Microsoft Azure portal interface. At the top, the header includes the Microsoft Azure logo, a search bar, and user information for 'harshc3294@gmail.com'. The main content area is titled 'Microsoft.Web-WebApp-Portal-2533241d-b620 | Overview'. A left sidebar contains navigation links for 'Overview', 'Inputs', 'Outputs', and 'Template'. The 'Overview' tab is active, showing a green checkmark and the message 'Your deployment is complete'. Below this, deployment details are listed: 'Deployment name: Microsoft.Web-WebApp-Portal-2533241...', 'Subscription: Azure for Students', 'Resource group: Harsh', 'Start time: 9/24/2022, 6:11:57 PM', and 'Correlation ID: dff6b4ef-d542-41f9-b2cf-d3b4a6b1f129'. A 'Next steps' section recommends 'Manage deployments for your app' and 'Protect your app with authentication'. A 'Go to resource' button is present. On the right, a sidebar contains three promotional cards: 'Cost Management' (with a dollar sign icon), 'Microsoft Defender for Cloud' (with a shield icon), and 'Free Microsoft tutorials' (with a document icon). Each card includes a brief description and a link to learn more.

Microsoft Azure

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Microsoft.Web-WebApp-Portal-2533241d-b620 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

We'd love your feedback! →

✓ Your deployment is complete

Deployment name: Microsoft.Web-WebApp-Portal-2533241... Start time: 9/24/2022, 6:11:57 PM
Subscription: Azure for Students Correlation ID: dff6b4ef-d542-41f9-b2cf-d3b4a6b1f129
Resource group: Harsh

Deployment details

Next steps

Manage deployments for your app. Recommended

Protect your app with authentication. Recommended

Go to resource

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.
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