

CSA1518-CLOUD COMPUTING FOR BIG DATA ANALYTICS

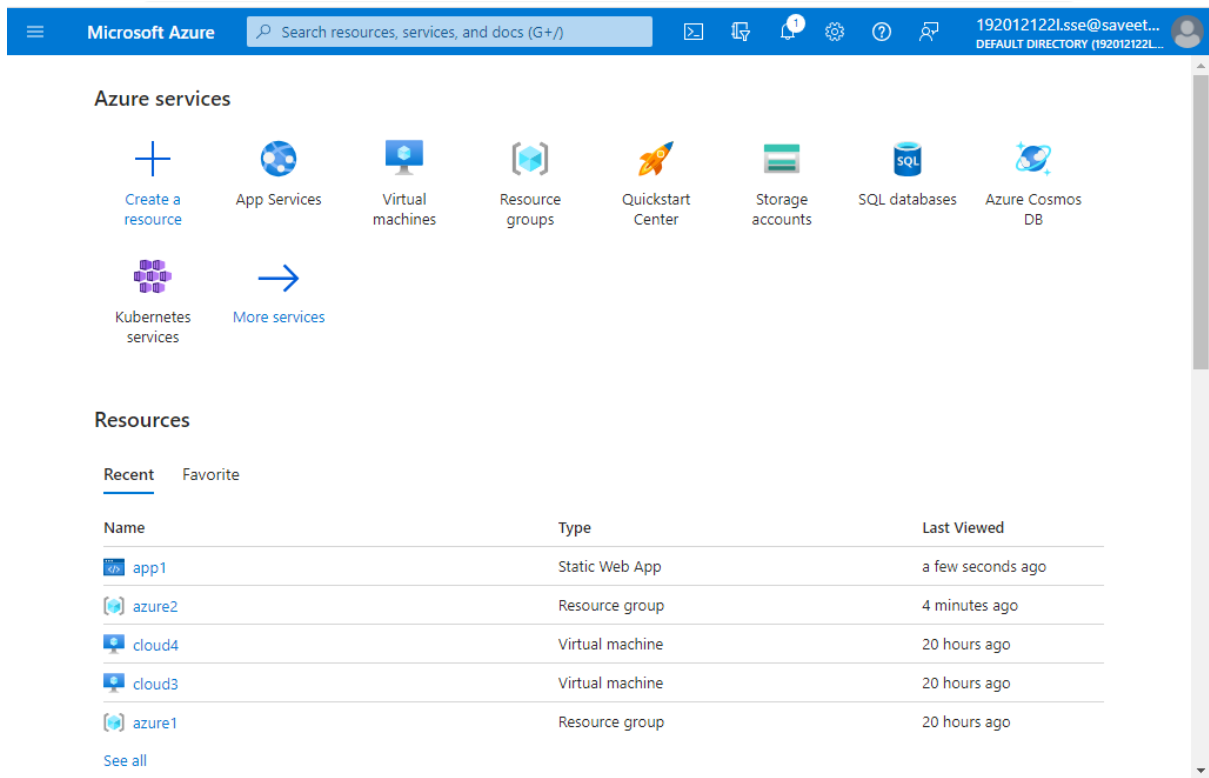
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EXPT:16

Create a Simple Web Application using Java or Python and host it in any Public Cloud Service Provider (Azure/GCP/AWS) to demonstrate Platform as a Service (PaaS).

IMPLEMENTATION:

STEP 1: GO TO APP SERVICE TO CREATE A WEBAPP.



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 '1920121221.sse@saveet...'. The main content area is divided into two sections: 'Azure services' and 'Resources'.

Azure services

This section features a grid of icons representing various Azure services:

- Create a resource
- App Services
- Virtual machines
- Resource groups
- Quickstart Center
- Storage accounts
- SQL databases
- Azure Cosmos DB
- Kubernetes services
- More services

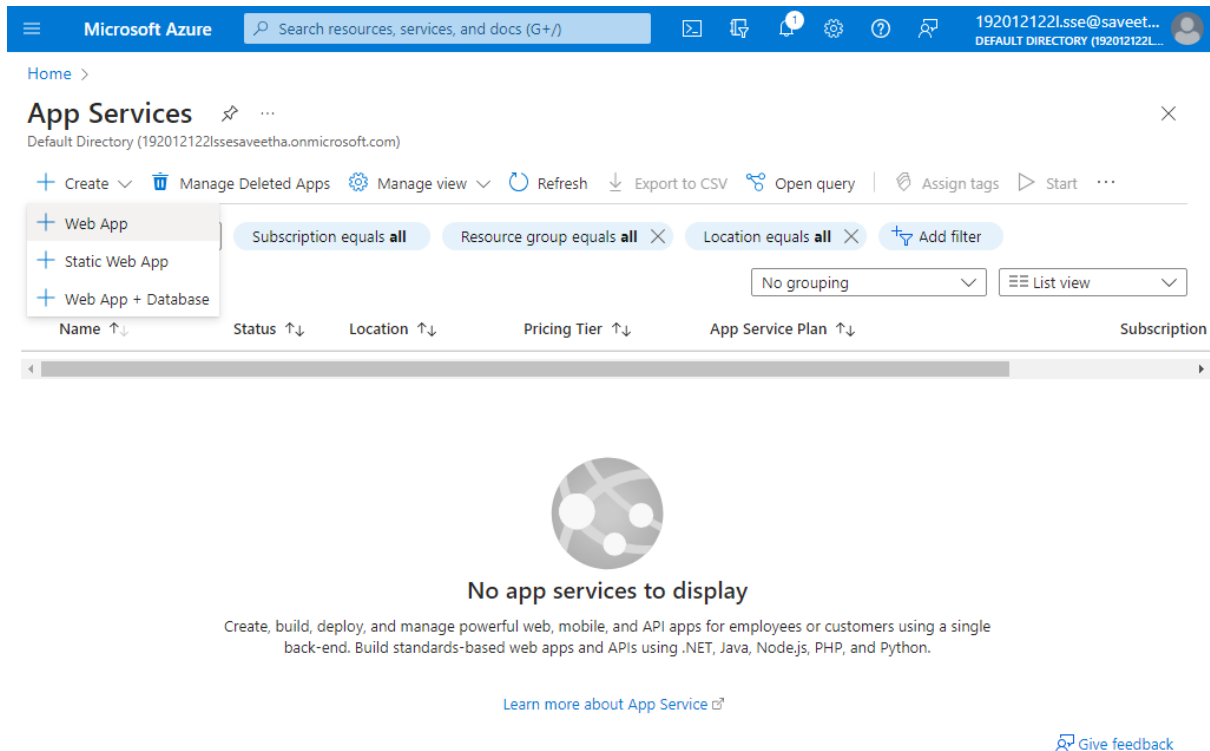
Resources

This section shows a list of recent resources. The 'Recent' tab is selected, displaying a table with the following data:

Name	Type	Last Viewed
app1	Static Web App	a few seconds ago
azure2	Resource group	4 minutes ago
cloud4	Virtual machine	20 hours ago
cloud3	Virtual machine	20 hours ago
azure1	Resource group	20 hours ago

A 'See all' link is located at the bottom of the Resources section.

STEP 2: SELECT CREATE AND CLICK ON WEB APP



The screenshot shows the Microsoft Azure portal interface. At the top, there's a blue header with the Microsoft Azure logo, a search bar, and user information. Below the header, the 'App Services' section is active, displaying a list of app services. A dropdown menu is open under the 'Create' button, showing options: 'Web App', 'Static Web App', and 'Web App + Database'. The 'Web App' option is selected. Below the dropdown, there are filters for 'Subscription equals all', 'Resource group equals all', and 'Location equals all'. There are also buttons for 'Add filter', 'No grouping', and 'List view'. The table below has columns for 'Name', 'Status', 'Location', 'Pricing Tier', 'App Service Plan', and 'Subscription'. The table is currently empty, and a message 'No app services to display' is shown. Below the message, there's a link to 'Learn more about App Service' and a 'Give feedback' button.

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

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

Home >

App Services

Default Directory (192012122L.sse@saveet...onmicrosoft.com)

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

+ Web App
+ Static Web App
+ Web App + Database

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

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.

[Learn more about App Service](#)

[Give feedback](#)

STEP 3: AFTER ENTER THE ALL THE NECESSARY THINGS
CLICK THE REVIEW AND CREATE AND CLICK THE CREATE
THE WEB APP.

Microsoft Azure

Search resources, services, and docs (G+)

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

Home > App Services >

Create Web App ...

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 * azure2
[Create new](#)

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

Name * clou
.azurewebsites.net

Publish * ☐ Code ☐ Docker Container ☒ Static Web App

Static Web App
Accelerate your app development with managed global availability for static content hosting and dynamic scale for integrated serverless APIs

Review + create

< Previous

Next : Deployment >

Microsoft Azure

Search resources, services, and docs (G+)

192012122L.sse@saveet...
DEFAULT DIRECTORY (192012122L...

Home >

Create Static Web App ...

Hosting plan
The hosting plan dictates your bandwidth, custom domain, storage, and other available features. [Compare plans](#)

Plan type ☒ Free: For hobby or personal projects
☐ Standard: For general purpose production apps

Azure Functions and staging details
Region for Azure Functions API and staging environments * Central US

Deployment details
Source ☐ GitHub ☐ Azure DevOps ☒ Other

Select this option to use other deployment methods. After the app is created, open it and follow the instructions to deploy your app.

Review + create

< Previous

Next : Tags >

STEP 4:GIVE NAME AND VALUES FOR TAGS

Create Static Web App ...



Basics **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
app1	: 10	Static Web App 
<input type="text"/>	: <input type="text"/>	Static Web App

Review + create

< Previous


Next : Review + create >

STEP 5:CLICK ON CREATE

Create Static Web App ...

Basics Tags **Review + create**

Summary

 **Static Web App**
by Microsoft

Details

Subscription	042e3f3b-8cfe-4e88-82c8-b6bf539841a2
Resource Group	azure2
Name	app1
Region	centralus
SKU	Free
Tags	app1: 10

Initializing template deployment to resource group 'azure2'.

Validating...


< Previous

Next >

[Download a template for automation](#)


STEP 6:CLICK ON GO TO RESOURCE AFTER DEPLOYMENT IS CREATED


Home >


 **Microsoft.Web-StaticApp-Portal-11063ae3-a44f** | Overview ✕ ...


Deployment


Search << Delete Cancel Redeploy Download Refresh


 Overview

 Inputs

 Outputs

 Template

 **Your deployment is complete**


 Deployment name : Microsoft.Web-StaticApp-Portal-11063ae3-a44f
Subscription : [Azure for Students](#)
Resource group : [azure2](#)
Start time : 7/11/2023, 9:10:42 PM
Correlation ID : 9a9762d1-9d4b-443f-8c10-c425dfbe2f8b


> Deployment details

∨ Next steps

[Go to resource](#)

Give feedback

 Tell us about your experience with deployment



STEP 7: GOTO WEBSITE URL LINK.

The screenshot shows the Azure Static Web App portal for a resource named 'app1'. The left sidebar contains a navigation menu with sections: Overview, Access control (IAM), Tags, Diagnose and solve problems, Settings (Configuration, Application Insights, Custom domains, APIs, Database connection (preview), Environments, Role management, Identity, Enterprise-grade edge), and Hosting Plan. The main content area has a top bar with 'Browse', 'Delete', 'Manage deployment token', and 'Send us your feedback' links. Below this is a message: 'Thank you for using Azure Static Web App! Configure a deployment to publish your app. Click here to learn more.' The 'Essentials' section displays the following information: Resource group (azure2), Subscription (Azure for Students), Subscription ID (042e3f3b-8cfe-4e88-82c8-b6bf539841a2), Location (Global), Sku (Free), and Tags (app1 : 10). A 'JSON View' link is available. At the bottom, there are tabs for 'Requests' and 'Data out'.

STEP 8: THIS IS OUR WEBAPP SERVICE.

The screenshot shows a web browser window with two tabs: 'app1 - Microsoft Azure' and 'Azure Static Web Apps - Welcome'. The address bar shows the URL 'blue-stone-037e16d10.3.azurestaticapps.net'. The page content features the Microsoft Azure logo at the top. Below it, the heading reads 'Your Azure Static Web App is live and waiting for your content'. A paragraph follows: 'Your app is now live, but we don't have your content updates. Check the deployment status in the GitHub Actions tab in your repository. Learn more about deployment from the Static Web App deployment docs. [Learn more](#)'. To the right of the text is an illustration of three overlapping computer monitors displaying code symbols like '</>', '{ }', and '>'.