

# CSA1523- CLOUD COMPUTING AND BIG DATA ANALYTICS FOR HEALTHCARE INDUSTRIES

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19. 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:: open azure and create accountGo to resource groups

The screenshot displays the Microsoft Azure portal interface. The top navigation bar includes the 'Home - Microsoft Azure' tab, a search bar, and a user profile. The main content area is titled 'App Services' and features a 'Create' button. Below this, a 'Description' section explains that App Services is used for creating, building, deploying, and managing powerful web, mobile, and API apps. A 'Free training from Microsoft' section lists several tutorials, including 'Host a web application with Azure App Services', 'Deploy and run a containerized web app with Azure App Services', and 'Scale an App Service web app to efficiently use resources'. A 'Useful links' section is also present. On the left, the 'Resources' section shows a list of recent resource groups, including 'exp17', 'webapp1', 'rg', 'vm1', 'rgroup', and 'cloud-shell-storage-centralindia'. The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time as 10:11 on 19-03-2024.

THEN GO THE CREATE.

The screenshot shows the Microsoft Azure portal interface. The browser tabs include 'App Services - Microsoft Azure' and 'Kavya-1219/cloud-computing'. The address bar shows 'portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Web%2Fsites'. The page title is 'App Services' with a subtitle 'Default Directory (vishnuvardhansait5081ssesav.onmicrosoft.com)'. Below the title is a toolbar with buttons: '+ Create', 'Manage Deleted Apps', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', 'Start', 'Restart', 'Stop', and 'Delete'. A filter bar shows 'Filter for any field...' and 'Subscription equals all'. Below the filter bar, it says 'Showing 0 to 0 of 0 records.' and 'No grouping' and 'List view' dropdowns. The main content area has a large circular icon and the text 'No app services to display'. Below this, it says '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.' and a 'Give feedback' link. The bottom of the page shows a Windows taskbar with a weather widget (28°C Partly sunny), a search bar, and various application icons. The system tray shows 'ENG IN', '10:11', and '19-03-2024'.

Go to static web app

This screenshot is similar to the previous one, but the '+ Create' dropdown menu is open, showing options: 'Web App', 'Static Web App', 'Web App + Database', and 'WordPress on App Service'. The 'Static Web App' option is highlighted. The rest of the page content remains the same, including the 'No app services to display' message and the Windows taskbar at the bottom.

Give name to static web app and give next:advanced

Create Static Web App - Micros...Kavya-1219/cloud-computing

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

Microsoft AzureSearch resources, services, and docs (G+)

vishnuvardhansait5081...  
DEFAULT DIRECTORY (VISHNUVA...

Home > App Services >

Create Static Web App

Static Web App details

Name \*exp18

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

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: Advanced >

28°C  
Partly sunny

Search

ENG  
IN

10:12  
19-03-2024

Fill the name and value and give next:review+create>

Create Static Web App - Micros...Kavya-1219/cloud-computing

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

Microsoft AzureSearch resources, services, and docs (G+)

vishnuvardhansait5081...  
DEFAULT DIRECTORY (VISHNUVA...

Home > App Services >

Create Static Web App

BasicsAdvancedTagsReview + 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
App	: 234	Static Web App
r	: 23	Static Web App
	:	Static Web App

Review + create

< Previous

Next: Review + create >

28°C  
Partly sunny

Search

ENG  
IN

10:12  
19-03-2024

STEP:3:: go to create

The screenshot shows the 'Create Static Web App' wizard in the Microsoft Azure portal, specifically the 'Review + create' step. The page has a blue header with the Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home > App Services >'. The main title is 'Create Static Web App'. There are tabs for 'Basics', 'Advanced', 'Tags', and 'Review + create'. The 'Review + create' tab is active. Under 'Summary', there's a 'Static Web App by Microsoft' logo. Under 'Details', there's a table with the following information:

Subscription	a20bdd7e-ad37-4617-afe3-203144019c4f
Resource Group	exp18_group
Name	exp18
Region	centralus
SKU	Free
Tags	App: 234, r: 23

At the bottom, there are buttons for 'Create', '< Previous', 'Next >', and 'Download a template for automation'. The Windows taskbar at the bottom shows the time as 10:24 on 19-03-2024.

STEP:4:so the static web app was created then go to resource group

The screenshot shows the 'Overview' page for a static web app deployment in the Microsoft Azure portal. The page has a blue header with the Azure logo and a search bar. Below the header, there's a breadcrumb trail: 'Home >'. The main title is 'Microsoft.Web-StaticApp-Portal-89a173c2-8593 | Overview'. There's a search bar and buttons for 'Delete', 'Cancel', 'Redeploy', 'Download', and 'Refresh'. On the left, there's a sidebar with 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area shows a green checkmark and the text 'Your deployment is complete'. Below this, there's a table with the following information:

Deployment name	: Microsoft.Web-StaticApp-Portal-89a173c2-8593	Start time	: 3/19/2024, 10:34:49 AM
Subscription	: Azure for Students	Correlation ID	: f0d5e1d7-0e33-4aea-b28c-e9...
Resource group	: exp18_group		

Below the table, there are sections for 'Deployment details' and 'Next steps'. There's a 'Go to resource' button. At the bottom, there's a 'Give feedback' section with a link to 'Tell us about your experience with deployment'. On the right, there's a 'Deployment succeeded' notification and a 'Cost management' section with a link to 'Set up cost alerts >'. The Windows taskbar at the bottom shows the time as 10:35 on 19-03-2024.

Copy down the URL and open in the browser

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo and a search bar. The main content area displays the 'exp18' Static Web App overview. On the left, there is a sidebar with navigation links: Overview, Access control (IAM), Tags, Diagnose and solve problems, Settings, Configuration, Environment variables, Application Insights, Custom domains, APIs, Database connection (preview), Environments, and Role management. The main content area shows the 'exp18' Static Web App details, including a 'View app in browser' button, a 'Delete' button, a 'Manage deployment token' button, and a 'Send us your feedback' button. A message states: 'Thank you for using Azure Static Web Apps! We have not received any content for your site yet. Click here to check the status of your GitHub Action runs.' Below this, the 'Essentials' section lists the Resource group (exp18\_group), Subscription (a20bdd7e-ad37-4617-afe3-203144019c4f), Subscription ID, Location (Global), Sku (Free), and Tags (App: 234, r: 23). A URL is displayed: <https://happy-smoke-0e969bc10.5.azurestaticapps.net>. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.

RESULT: THUS,THE PROGRAM FORSIMPLE WEB APPLICATION IN AZURE HAS BEEN DONE SUCCESSFULLY

The screenshot shows the Microsoft Azure portal interface displaying a 'Congratulations on your new site!' message. The message states: 'Your site will be ready soon—please check back later.' Below the message, there are three recommended next steps: 'Learn about Azure Static Web Apps', 'Create a static web app from VS Code', and 'Install the Static Web Apps CLI'. Each step includes a brief description and a link to the relevant resource. The bottom of the screen shows the Windows taskbar with the search bar and various application icons.