

PLATFORM AS A SERVICE (PAAS)

EXPERIMENT – 21

AIM:

To demonstrate Platform as a Service (PaaS) by creating and configuring a new VM image using a public cloud service provider like Microsoft Azure.

PROCEDURE:

1. Log in to the Microsoft Azure portal using your Azure account.
2. Navigate to “App Services” from the menu and click on “Create.”
3. In the creation wizard, choose the runtime stack (e.g., Python, Java, Node.js) and select the appropriate operating system.
4. Configure the resource group, app service name, region, and select a pricing tier that supports PaaS features.
5. In the deployment settings, choose the deployment method such as GitHub or local deployment.
6. Review all the configurations and click “Create” to provision the App Service.
7. Once the App Service is deployed, navigate to the resource and access the built-in URL to verify deployment.
8. Optionally, connect a database (like Azure SQL or Cosmos DB) for backend integration under platform services.
9. Use Azure Monitor and Application Insights for performance monitoring and diagnostics.

OUTPUT:

Home > Resource groups >

Resource groups

Default Directory (192425211simatsaveetha.onmi...)

+ Create Manage view ...

You are viewing a new version of Browse experience. Click here to access the old experience.

- ☐ Name ↑
- ☐ record
- ☐ resourcegroup
- ☒ uday

Showing 1 - 3 of 3. Display auto

Overview

- Activity log
- Access control (IAM)
- Tags
- Resource visualizer
- Events
- Settings
- Cost Management
- Monitoring
- Automation
- Help

Search

+ Create Manage view Delete resource group Refresh Export to CSV

Resources

Filter for any field...

Type equals all Location equals all

Add filter Less

Showing 0 to 0 of 0 records. Show hidden types No grouping

List view

Name ↑ Type ↑ Location ↑

Give feedback

https://portal.azure.com/?Microsoft_Azure_Education_correlationId=dad35b6e-9567-48c5-aa7d-460d02b76ac2#@192425211simatsaveetha.onmicrosoft.com/resource/subscriptions/2468a3e8-03d0-41a3-92d4-6d4f3c739d97/resource...

Home > Resource groups > uday > Marketplace > Web App >

Create Web App

Basics Database Deployment Networking Monitor + secure Tags Review + create

Summary

 **Web App**
by Microsoft

Basic (B1) sku
Estimated price - 13.14 USD/Month

i Basic authentication for this app is currently disabled and may impact deployments. Click to learn more.

Details

Subscription	2468a3e8-03d0-41a3-92d4-6d4f3c739d97
Resource Group	uday

The screenshot shows the Azure portal interface for a Web App named 'CANDY'. The left sidebar contains a navigation menu with options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Microsoft Defender for Cloud, Events (preview), Resource visualizer, Deployment, Settings, Performance, and App Service plan. The main content area is divided into two sections: 'Essentials' and 'Properties'. The 'Essentials' section displays key information about the web app, including its resource group, status, location, subscription, and subscription ID. The 'Properties' section is currently selected, showing details like the default domain, app service plan, operating system, and health check status.

Section	Property	Value
Essentials	Resource group	msdev
	uday	
	Status	Running
	Location	Central India
	Subscription	Azure for Students
	Subscription ID	2468a3e8-03d0-41a3-92d4-6d4f3c739d97
Properties	Default domain	candy-hmcke9fcbzhr9df.centralindia-01.azurewebsites.net
	App Service Plan	ASP-uday-ba4a (B1: 1)
Properties	Operating System	Linux
	Health Check	Not Configured

The screenshot shows the Azure portal interface for the same Web App 'CANDY', but now displaying the 'Deployment logs' and 'Networking' sections. The 'Deployment logs' section shows the last deployment and the deployment provider. The 'Networking' section displays the virtual IP address, outbound IP addresses, and virtual network integration status.

Section	Property	Value
Deployment logs	Deployment logs	View logs
	Last deployment	Loading deployments...
	Deployment provider	None
Application Insights	Name	Enable Application Insights
	Networking	
Networking	Virtual IP address	20.192.171.2
	Outbound IP addresses	20.235.199.199, 20.235.199.201, 4.224.8... Show More
	Additional Outbound IP addresses	20.235.199.199, 20.235.199.201, 4.224.8... Show More
	Virtual network integration	Not configured

RESULT:

Successfully created and configured a VM-level App Service using Azure, demonstrating the concept of Platform as a Service (PaaS).