

## **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 (192425211simatssaveetha.onmi...

+ Create Manage view ...

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

- ☐ Name ↑
- ☐ [9] record
- ☐ [9] resourcegroup
- ☒ [9] uday

Showing 1 - 3 of 3. Display count: auto

#### uday

Resource group

Are there any alerts fired for this resource group? How do I troubleshoot issues with this resource group? +1

Search

+ Create Manage view Delete resource group Refresh Export to CSV

#### Overview

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

#### 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 ↑↓
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Give feedback

https://portal.azure.com/T/Microsoft\_Azure\_Education\_correlationId=dad35b6e-9567-4fc5-aa7d-460d02b76ac2#@192425211simatssaveetha.onmicrosoft.com/resource/subscriptions/2468a3e8-03d0-41a3-92d4-6d4f3c739d97/resourc...

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 displays the 'Essentials' section, which includes a table of key information:

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

Below the Essentials section, there are tabs for Properties, Monitoring, Logs, Capabilities, Notifications, and Recommendations. The Properties tab is currently selected.

The screenshot shows the Azure portal interface for the same Web App 'CANDY', but with the 'Deployment' tab selected. The main content area displays the 'Deployment' section, which includes a table of deployment information:

Property	Value
Deployment logs	View logs
Last deployment	Loading deployments...
Deployment provider	None

Below the Deployment section, there are tabs for Application Insights and Networking. The Application Insights tab is currently selected, showing a table of application insights information:

Property	Value
Name	Enable Application Insights

Below the Application Insights section, there are tabs for Networking. The Networking tab is currently selected, showing a table of networking information:

Property	Value
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).