Resource Group : Sai Maloth

Status : Running

Location : Central India (zone 1)

Subscription : Azure for Students

Operating System : Linux (Ubuntu 20.04)

VM availability status :- ✓ Available

Subscription ID : 97b48ec-2aaa-4545

Size : Standard DS1 v2 (1vCPU, 3.5 GB)

Public IP Address : 20.197.48.137

Virtual Network | Subnet : Maloth-csc-net | default

Experiment - 01

* **Aim:**

To create a Virtual Machine in azure cloud service provider

* **Tools Required:**

Microsoft Azure (cloud service portal)

* **Procedure:**

→ Create an Account in Microsoft Azure using your email Id and login to it

→ After Logging in Select create a resource and the click on Create a Virtual machine

→ Provide Administrator Username and password

→ Then click on review and create

→ It will navigate to another page.

→ Then click on to create, It will display the virtual machine creation

→ Then the deployment starts and your virtual Machine will be created.

→ Launch the VM & test its functionality

* **Result:**

The Virtual Machine has been created in Azure succesfully.

Resource group : Faheem

Status : Available

Location : Central India

Subscription : Azure for Students

Subscription ID : 97d481ec-20aa-4545

Server admin : Mahith

Networking : Show networking

Active Directory admin : Configured

Server name : Mahith sql database.net.

Experiment - (14)

* Aim :

To develop a database and store it in SQL storage services provided by Microsoft Azure and platform a simple Query Operations on the Database

* Procedure :

→ Launch SQL Database from Microsoft Azure portal
→ Give a proper Database Name
→ Select the Server give a valid Server name
→ Give Admin name and password
→ Configure the Database
→ Select Either available DB or create a new database
→ Review and Launch
→ Deploy it
→ Perform Simple query on the database

* Result :

The database and SQL storage services provided operations on the database has been executed successfully

Resource Group : Sai Malith

Status Running

Location : East US

Subscription : Azure for Students

Subscription ID : 9744816c-2098-4545-8dfc

operating Systems - Windows (Windows 2022 Datacenter Azure)

VM availability Status - ✓ Available

Size : Standard DS, V2 (1VCPU, 3.5 GiB)

Public IP Address : 20.163.254.212

Virtual Network | Subnet : malith-vnet | default

Experiment - 12

* **Aim:**

To demonstrate Infrastructure as a service by creating a Virtual Machine using public cloud service provider

* **Procedure:**

→ Create an account in Microsoft Azure protal public cloud service

→ Create new resource and deploy it

→ Create a New Resource Virtual network

→ Create a new Virtual machine

→ Under basic select the various resource group and select prefered region

→ Select the image windows 2016 server

→ select the size of CPU and 3.5 GiB RAM

→ Give proper Administration username and password

→ Configure the Disk, Networking

→ Review & create VM, Identify all the IP number associated with the VM

→ Launch the VM and test its functionality.

* **Result:**

Thus IaaS by creating a Virtual Machine using public cloud service completed successfully.

Scanned with CamScanner

Resource group : Mahith

Status : Azure

Location : Central India

Subscription : Azure for students

Operating System : Linux (ubuntu 20.04)

VM availability : ✓ Available

Subscription ID : 9448ecc 200a 4545

Size : Standard DS, V2 (1 vcpu, 3.5 GiB)

Public Ip address : 20.197.48.137

Virtual Network : Mahith-cse-vnet/default

Experiment - 10

* **Aim:**

To create a storage account using Microsoft azure and demonstrate its by using a static web page service

* **Procedure:**

→ Create a Storage Account in Microsoft Azure portal

→ Give a valid Username and select region

→ Configure the Storage Services

→ Select the Static Web page and give Index.html and 404.html

→ Go to Storage Explorer and select the slot and upload the html files

→ Check the primary URL and to verify Wheather the Static web is accessible through internet as a public service

* **Result:-**

Thus the storage service by azure has been demonstrated successfully using a Static Web page service.

Resource group : Mahith

Status : Running

Location : South India

Subscription : Azure for Students

Subscription ID : 97d48lec-2009-4545

Default domain : Mahith.azure website

App service plan : Asp-Mahith-ad64

Operating System : Windows

Experiment - 6

* **Aim**

To create a Web application using Microsoft Azure and deploy and publish it on the Internet and access it via the URL of the application

* **Procedure**

→ Launch the app service in Microsoft Azure portal
→ Give a valid Web App Name
→ Select Code and Select Either Java Net as runtime stack
→ Select the prefered Web servers stack Either Tomcat (or) JBoss
→ Select the prefered OS
→ Select the region for deployment the App
→ Review and create
→ Deploy it on the given URL
→ Use the URL of the Web App and c to see if it is working or not

* **Result**

The Web application using Azur to deploy and publish on Internet v URL has executed succesfully.