Resoure group :- Syed faheem ahamed

Status :- Running

Location :- Central India (Zone 1)

Subscription :- Azure for Students

Operating System :- Linux (ubuntu 20.04)

VM availability Status :- ✓ Available

Subscription ID :- 97d481ec - 20aa - 4545

Size :- Standard DS1 V2 (1vcpu, 3.5 GB)

Public IP address :- 20.197.48.137

Virtual Network / Subnet :- faheem - cse - met/
default

Aim :-

To create a Virtual Machine in azure cloud Service provider.

Tools Required :-

Microsoft Azure (cloud Service Provider)

Procedure :-

→ Create an account in Microsoft Azure using your email Id & login to it.

→ After logging in select create a resource & then click on create a Virtual machine.

→ Provide Administrator, username & Password.

→ Then click on review & create.

→ It will navigate to another page.

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

→ Thus the deployement starts & your Virtual machine will be created.

→ Launch the VM & test its functionalit

Result :-

The Virtual Machine has been created in Azure Successfully.

Resource group :- faheem

Status :- Running

Location :- East us

Subscription :- Azure for Students

Subscription ID :- a7e481ec-2099-4545-8dfc-

Operating Systems :- Windows (Windows Server 2022 Data centre Azure)

VM availability Status :- ✓ Available

Size :- Standard DS₁ V₂ (1vcpu, 3.5 GB)

Public Ip Address :- 20.163.254.212

Virtual network / Subnet :- faheem-vnet / default

Experiment -12

Aim :-

To demonstrate infrastructure as a Services by creating a virtual machine using public cloud service provider.

Procedure :-

→ Create an account in Microsoft Azure. Portal public cloud service.

→ Create new resources & deploy it.

→ Create a new Resource Virtual network.

→ Create a new virtual machine.

→ Under basic select the various resource group & select prefered region.

→ Select the image windows 2016 Server.

→ Select the size of CPU & 3.5 GB RAM.

→ Give proper Adminstration, username & Password.

→ Configure the Disk, Networking.

→ Review & create VM, identify all the Ip number associated with the VM.

→ Launch the VM & test its functionality

Result :-

Thus Iaas by creating a virtual Machine using public cloud Service completed Successfully.

Resource group :- faheem

Status :- Azure

Location :- Central India

Subscription :- Azure for Students

Operating System :- Linux (ubuntu 20.04)

VM availability Status :- ✓ Available

Subscription ID :- 97481cc-20aa-4545

Size :- Standard DS₁ V₂ (1 vcpu, 3.5 GB)

Public Ip address :- 20.197.48.137

Virtual Network / Subnet :- faheem-csc-vnet/
default

Aim :-

To create a storage services by Microsoft Azure & demonstrate it by using a Static web page Service.

Procedure :-

→ Create a Storage Account in Microsoft Azure portal.

→ Give a valid username & select region.

→ Configure the Storage services.

→ Select the Static webpage & give index html & non-html.

→ Go to Storage Explorer & select the slot & upload the html files.

→ Check the primary URL & to verify whether the Static web is accessible through internet as a public Service.

Result :-

Thus the Storage Services by azure has been demonstrated successfully using a static web page Service.

Resource group :- faheem

Status :- Available

Location :- central India

Subscription :- Azure for Student

Subscription ID :- a7d46lec-20aa-4545-8dfc-b513477afv8

Server admin :- faheem

Networking :- Show networking

Active Directory admin :- configured

Server name :- faheemsql database.windows.net

Aim :

To develop a database & store it in SQL storage services provided by Microsoft Azure & platform a simple Query operations on the Data box.

Procedure :

→ Launch SQL Database from Microsoft Azure portal.

→ Give a proper Database Name.

→ Select the Server give a valid Server name.

→ Give Admin name & password.

→ Configure the Database.

→ Select either available DB or create a new database.

→ Review & launch.

→ Deploy it.

→ Perform simple query on the databas

Result :

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

Resource group :- faheem

Status :- Running

Location :- South India

Subscription :- Azure for Students

Subscription ID :- a7d4b1ec-2009-4545-8dfc
— abb...

Default domain :- faheem.azure.websites.net

App Service plan :- ASp-faheem-ad64

Operating System :- windows

Aim :-

To create a web application using Microsoft Azure & deploy & publish it on the internet & 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 & select either Java (or) Net as runtime stack.

→ Select the preferred web servers stack either Tomcat (or) JBoss.

→ Select the preferred OS.

→ Select the region for deployement the App.

→ Review & create.

→ Deploy it on the given URL.

→ Use the URL of the webapp & check to see if it is working or not.

Result :-

The web application using Azure to deploy & publish on Internet via URL has been executed successfully.