

Experiment 11 Virtual machine in Azure 11-8-23

Aim:-

To create a virtual machine in Azure cloud service provider.

Procedure :-

- * Open Azure service provider.
- * Login to the, Azure Offer for students.
- * Provide your organization details with institution email address.
- * All cloud services will be displayed.
- * Then click on "Create a resource" for "Virtual machine".
- * In that resource we have to create a virtual machine.
- * Click on "Create a virtual machine".
- * Provide administrator username and password.
- * Then click on "Review & Create".
- * It will navigate to another page.
- * Then click on "Create".
- * It will deploy the virtual machine.
- * It will create.

- * now the deployment starts and your virtual machine will be created.
 - * launch the VM and test its functionality.
- Output :

```

resource group : yuvakishore
status       : Running
location     : central india (region)
subscription : Azure for students
operating system : Linux (Ubuntu 20.04)
VM availability status : Available
subscription ID : AFEDH81C-700A-4545-8dfc
size : Standard DS1 V2 (1vCPU, 3.5GB memory)
public IP address : 20.197.48.137
virtual network/subnet : yuvakishore (ADDRESS=vhel)
                           default

```

Result:

Thus the creation of virtual machine in azure cloud service provider was completed successfully.

Experiment-12. Tasks by creating VM

Aim:

To demonstrate tasks by creating a virtual machine using public cloud service provider.

Procedure:

- * Create an account in Microsoft Azure portal public cloud service.
- * Create new resource and deploy it.
- * Create a new virtual machine network and deploy it.
- * Create a new virtual machine.
- * Under basic select the resource group and select preferred region.
- * Select the image windows 2016 server.
- * Select the size 1vCPU and 3.5 GB RAM.
- * Give proper administration username and password.
- * Configure the disk, networking.
- * Review and create VM, identify the IP numbers associated with the VM.
- * Launch the VM and test its functionality.

Output :-

Resource group : yuva kishore

Status : Running

Location : east us

Subscription : Azure for Students

Subscription ID : a7e481ec - 200a - 4545 - 8dfc

Operating Systems : windows (Windows Server 2022
Datacenter Azure Edition)

VM availability status : Available

Size : Standard D1 V2 (1vCPU, 3.5GB memory)

Public IP Address : 90-163-254-212

Virtual Network (Subnet) : yuva - vnet/default

Result:-

Thus the demonstration of IaaS by creating a virtual machine using a public cloud service provider was completed successfully.

Experiment - 12 storage service by using Azure.

21-8-22-3

AIM :-

* To create a storage service using Microsoft Azure and demonstrate it by using a static webpage service.

procedure :-

* Create a storage accounts in Microsoft Azure portal. Also provide the RESOURCE GROUP.

* Give a valid username and select region and give the database name and provide server to it.

* Configure the storage services.

* Select the static webpage and give index.html and homepage.html.

* Go to storage explores' and select the blob and upload the html files.

* Check the primary URL and to verify whether the static webpage is accessible through internet as a public service.

* For creation of sql we have to create a server first.

* Then provide the storage capacity to database based on requirement.

After the damage it will be minimised.

What's

RECOVER GROUP | 1000 KBPS

SUBSCRIPTION | 500K FOR STUDENTS

SUBSCRIPTION fee | 0.75GB PER MONTH (500GB FREE)

BREATHING | 0.0001

ABOUT | PREB

OUR STEPS | PLANET EARTH: DEFINITION OF
OUR APPROPRIATE APPROACHES

ABOUT | main (about)

DEPLOYMENT | history | without ACTION ITEMS

Feature

thus the creation of storage service using TELEGRAMME PAYLOAD and demonstrating with STABLE MESSAGE was completed

Autoshipping

Experiment - 14 create database and perform basic querying in Azure Page No. 73

- Aim :- To develop a database and store it in SQL storage services provided by Microsoft Azure and perform a simple query operations on the database.
- Procedure :-
- * Launch SQL database from Microsoft Azure portal.
 - * Give a proper database name.
 - * Select the server : give the 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.

Output:

```
Resource group : yuva kishore
status : Available
location : central India
subscription : Azure for students.
subscription ID : 07d481ec-20aa-4545-8dfc-
                  ebb13477af48.
owner admin : yuva kishore
networking : Show networking
active directory admin : configured
server name : yuvasql.database.windows.net
```

Result:

Thus the creation of sql database was completed successfully using microsoft azure cloud service provider.

Aim:

* To create a web application using microsoft azure and deploy and publish it on the cloud 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 or .Net as runtime stack.

* Select the preferred web services stack i.e., either Tomcat or JBoss.

* Select the preferred OS.

* Select the preferred region for deploying the APP.

* Review and create.

* Deploy it on the given URL.

* Use the URL of the web APP and check to see if it is working.

output:

resource group: Yuva kishore

status: Running

location: South India

subscription: Azure for students

subscription ID: ad4d81ec-200a-4545-8d1c-cb

default domain: yuvakishore.azurewebsites.net

APP service plan: ASP-Yuva kishore.ad64

operating system: windows

result:

Thus the creation of web application using Java was completed successfully using azure cloud service provider.