EXP NO :-11

Exp No: 1

Aim: to create a virtual machine in azure cloud service provider

Procedure

1) open azure service provider

2) Login to the azure (free for students)

3) provide your organization details with college email address

4) All cloud services will be displayed

5) then click on "create a resource" for resource creation

6) In that resource we have to create a virtual machine

7) "click on to create a virtual machine"

8) provide Administator username and password

9) Then click on " review & create"

10) It will navigate to another page

11) Their click on a create

12) It will display the virtual machine creation

13) thus the deployment starts and your virtual machine will be created

Output

Resource Group	:	vinay
Status	:	Running
Location	:	South India
Subscription	:	Azure for students
operating System	:	Linux (ubuntu Server)
VM availability status	:	Available
Subscription ID	:	63ddacfa-4ved-4908-98Pr-c999
Size	:	Standard D2s v3 (2 Wpus, 8oia memory)
Public IP address	:	20-235-98-39
Virtual Network /subnet	:	vinay -vnet/default

Result

Thus the creation of Virtual machine in azure Cloud service provider was completed Successfully

EXP NO 12

Iaas by creating a VM

Aim : To demonstrate infrastructure as a service by creating a virtual machine using public cloud service provider

Procedure

1) Create an account in microsoft Azure portal public cloud service

2) creak new Resource and deploy it

3) create a new Virtual Network and deploy it

4) create a new virtual Machine

5) under basics select the resource group and select preferred region

6) select the image window 2016 server

7) select the size 1vcpu and 35 GB Ran

8) give proper Administration user name and password

9) configure the Disk Networking

10) Review and create VM, identity the IP numbers associated with the VM

11) Launch the VM and test its functionality

Output

Resouvie group : vinay

Status : Running

Location : South India

Subscription : Azure for students

Subscription ID : 53ddacfo-7fed-49ca-92f5-c999a...

Operating systems : Linuxe (ubantu 20.04)

VH availability status : Available

Size : Standard D2s v3

Public IP address : 90.835.28.39

virtual network/subnel : vinay-vnet/default

Result

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

EXP NO 13

Storage service by
using Azure

EXP No: 13   Date: 01-08-2023

Aim: to create a storage service using microsoft azure
and demonstrate it by using a static web page
service

Procedure:

1) Create a storage Account in microsoft Azure
Portal

2) give a valid username and select region

3) configure the storage service

4) select the static web page and give index html and
404 html

5) go to Storage explorer and select the Blob and upload
the html files

6) Check the primary URL and to verify whether th
static web page is accessible through internet a
a public service

Output

Resource group	: Network watcher RG
Status	: Running
Location	: South India
Subscription	: Azure for Students
Subscription ID	: 33 dd ac8c - 7fed - 4908 - 93P8 - c772m58c
Default domain	: Vinay Reddy . azurewebsites . net
App service plan	: ASP - Network watcher RG - 0a48
Operating system	: Windows
Health check	: Not configured

Result

Thus the creation of storage service using microsoft azure and demonstrating with static web app was completed successfully

EXP NO 14

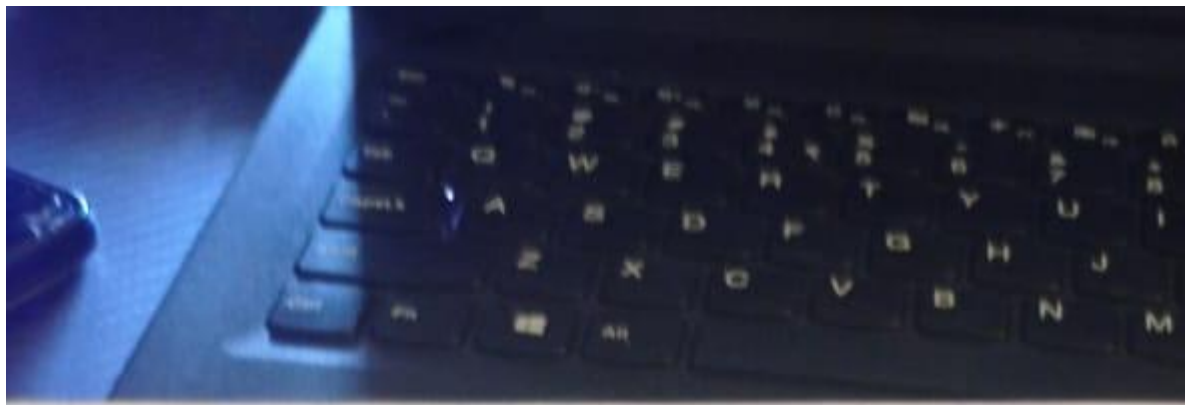Exp No: 1u   Date:

Aim: To Develop a Database and store it in SQL during services provided by microsoft Azure and perform a simple Query operations on the Database

Procedure

1) Launch SQL Database from Microsoft Azure portal
2) give a proper Database Name
3) Select the server give a valid server name
4) give Admin name and password
5) configure the Database
6) select either available DB or create a new database
7) Review and launch
8) Deploy it.
9) perform simple Query on the Database

previous steps

* open azure service provider
* login to the azure (free for students)

oxp' output

Resource group : vinay

Status : Available

Location : central india

subscription : Azure for Students

Subscription ID : 53dda cfo-ffed-4901-92f5-099839026

Server admin : vinay

Networking : Show networking settings

Active Directory admin : VA 1944618 gmail.com # EXT#@ v7

Server name : vinay2004.databasewindows.net

Result

Thus the creation of SQL database was complete
successfully using microsoft azure cloud service
provider

EXP NO 15

Web application using Java or Python
In Azure

Exp No : 15   Date : 21-02-2022

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

1) Launch the app service in microsoft Azure Portal

2) give a valid web App Name

3) select code and select either Java or .Net or
   runtime stack

4) select the prefered web server stack i.e either
   tomcat or JBoss

5) select the prefered OS

6) select the Region for Deploying the App

7) Review and create

8) Deploy in an the given URL

9) use the URL of the web app and check to see if
   it working

1) Review
2) Verification

Output:

Resource group	Network watcher-ng
Status	Running
Location	South India
Subscription	Azure for student
Subscription Id	53ddacfa-1fbd-46ed-9ffc-9mffac
Default domain	Vhay reddy. azurewebsites.net
App service plan	Asp -network watcher RG- aady
Operating system	windows
Health check	Not configured

Result

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