

## Experiment : 12

Aim:

To create a virtual machine in azure cloud service provider.

Procedure:

- \* open Azure service provider
- \* login to the azure (Free for students)
- \* provide your organization details with college email address
- \* All cloud services will be displayed.
- \* Then click on 'Create a resource' - for resource creation.
- \* In that resource we have to create a virtual machine.
- \* Click on to the 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.

\*Thus the deployment starts and your virtual machine will be created.

\* launch the vm and test its functionality.

Result:

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



Output:

Resource group : Gayatri

Status : Running

Location : Central India (zone1)

Subscription : Azure for Students

Operating system : Linux (ubuntu 2004)

vm availability status : ☒ Available

Subscription ID address : a7d481ec-20aa-450a-80d4-000000000000

Size : Standard D1 v2 (1 vcpu, 3.5 GB memory)

public ip address : 20.197.43.137

Virtual Machine network/ : Gray-IT-vnet/

Subnet. ~~Reg~~ default.

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Virtual machine

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Essentials

Resource group (move) : GayatriOperating system : Linux (ubuntu 20.04)  
Status : RunningVM availability status : Available  
Location : East AsiaSize : Standard D2s v3 (2 vcpus, 8 GiB memory)  
Subscription (move) : Azure for StudentsPublic IP address : 20.24.96.139  
Subscription ID : 08719ac5-807b-457c-b645-1a5412e66abcVirtual network/subnet : cloudserviceprovider-vnet/default  
Health state : -DNS name : Not configured  
Tags (edit) : Add tags

JSON View

PropertiesMonitoringCapabilities (7)RecommendationsTutorials

Virtual machine

Computer name : cloudserviceproviderOperating system : Linux (ubuntu 20.04)  
Image publisher : canonicalImage offer : 0001-com-ubuntu-server-focalImage plan : 20\_04-lts-gen2

Networking

Public IP address : 20.24.96.139 ( Network interface : cloudserviceprovider860 )  
Public IP address (IPv6) : -  
Private IP address : 10.1.0.4  
Private IP address (IPv6) : -

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Virtual machine

Computer namecloudserviceprovider

Operating systemLinux (ubuntu 20.04)

Image publishercanonical

Image offer0001-com-ubuntu-server-focal

Image plan20\_04-lts-gen2

VM generationV2

VM architecturex64

Agent statusReady

Agent version2.9.1.1

Host groupNone

Host-

Proximity placement group-

Colocation statusN/A

Capacity reservation-

Networking

Public IP address20.24.96.139 ( Network interfacecloudserviceprovider860 )

Public IP address (IPv6)-

Private IP address10.1.0.4

Private IP address (IPv6)-

Virtual network/subnetcloudserviceprovider-vnet/default

DNS nameConfigure

Size

SizeStandard D2s v3

vCPUs2

RAM8 GiB

Disk

OS diskcloudserviceprovider\_OsDisk\_1\_2737a6b36cc642e9a8afed4357001843

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Overview

Activity log

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Diagnose and solve problems

Settings

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Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

Extensions + applications

Availability + scaling

Configuration

Disk controller type

SCSI

Azure disk encryption

Not enabled

Ephemeral OS disk

N/A

Data disks

0

Availability + scaling

Availability zone

-

Availability set

-

Scale Set

-

Security type

Security type

Trusted launch

Enable secure boot

Enabled

Enable vTPM

Enabled

Integrity monitoring

Disabled

Extensions + applications

Extensions

-

Applications

-

Auto-shutdown

Auto-shutdown

Not enabled

Scheduled shutdown

-

Azure Spot

Azure Spot

-

Azure Spot eviction policy

-

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