

## Experiment : 11

### IaaS - (Infrastructure as a Service)

Aim:

To configure and launch an VM using Microsoft Azure.

Procedure:

- \* Create an account in Microsoft Azure. portal - public cloud Service.
- \* Create New Resource and deploy it.
- \* Create a new virtual Network and deploy it.
- \* Create a new virtual machine.
- \* Under basics select the resource group and select preferred Region.
- \* Select the image windows 2016 Server.
- \* Select the size 1 vcpu and 3.5 GB RAM.
- \* Give proper Administration user name and password.
- \* Configure the disk, Networking.
- \* Review and Create the VM, identify the IP numbers associated



with the Virtual Machine.

\* Launch the virtual machine and test its functionality.

Outcome :

The Virtual Machine with windows operating system has been launched and tested with RDP using the allocated IP number.

Result :

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



Output:

Resource group : Grayater

Status : Running

Location : East US

Subscription : Azure for students

Subscription ID : a7e51ec-2000-4545-8df-

Operating system : windows (windows  
Server 2022 Datacenter Azure Edition)

Vm availability : ☒ Available  
Status

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

Public IP Address : 20.163.254.212

Virtual Network/subnet : Grayu-vnet/default

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Zoho Creator

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IAAS  
Virtual machine

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IAAS virtual machine agent status is not ready. Troubleshoot the issue →

Capacity reservation group	-	Emergency recovery	Disabled
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	-

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Windows Admin Center

Disks

Size

Microsoft Defender for Cloud

Advisor recommendations

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Virtual machine

Computer nameIAAS

Operating systemWindows

Image publisherMicrosoftWindowsServer

Image offerWindowsServer

Image plan2016-datacenter-gensecond

VM generationV2

VM architecturex64

Agent statusNot Ready

Agent versionUnknown

Host groupNone

Host-

Proximity placement group-

Colocation statusN/A

Capacity reservation-

Networking

Public IP address104.208.74.64 ( Network interface iaas122 )

Public IP address (IPv6)-

Private IP address10.2.0.4

Private IP address (IPv6)-

Virtual network/subnetIAAS-vnet/default

DNS nameConfigure

Size

SizeStandard E2s v3

vCPUs2

RAM16 GiB

Disk

OS diskIAAS\_OsDisk\_1\_1c3302d024a245be86aa0813389bee28

Encryption at hostDisabled

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