

EXPERIMENT -5

DEMONSTRATE INFRASTRUCTURE AS A SERVICE(IAAS) BY CREATING A VIRTUAL MACHINE USING A PUBLIC CLOUD SERVICE (AZURE)

AIM:

To demonstrate infrastructure as a service (IaaS) by creating a virtual machine using a public cloud service (Azure)

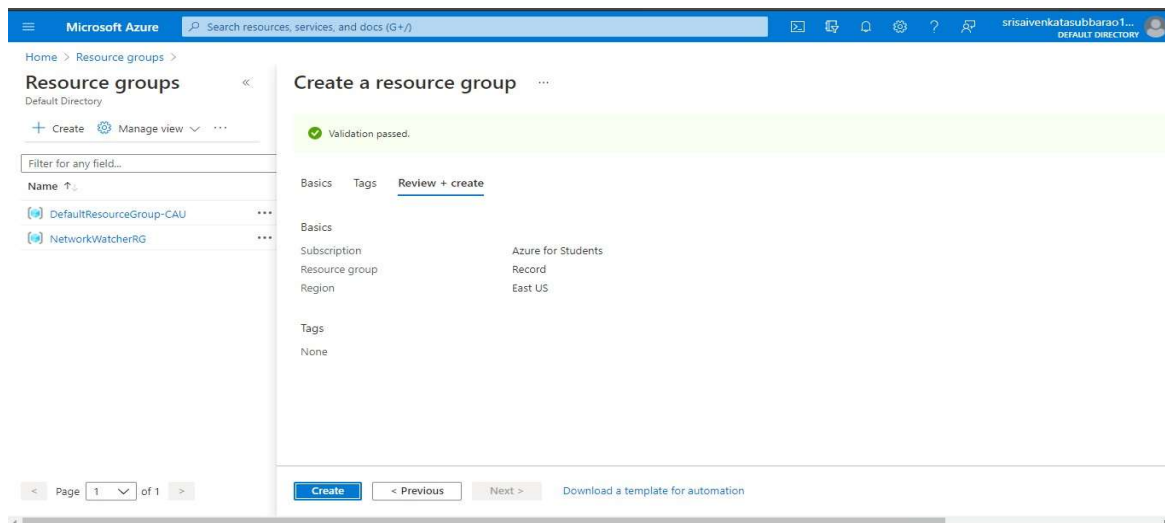
PROCEDURE:

- Create an account in Microsoft Azure.
- Go to resource group and create a resource group.
- Give necessary things for resource group
- Create a virtual network for to create a virtual machine .
- Now create a virtual machine with ur ip address an username and password for your virtual machine.
- Your virtual machine is deployed.
- Now connect the virtual machine and download the rdp file to open your windows virtual machine.
- Created a new windows virtual machine.

IMPLEMENTATION:

STEP1:CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP2:GOTO RESOURCE GROUP AND CREATE RESOURCE GROUP



STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

Microsoft Azure | Search resources, services, and docs (G+)

Home > Resource groups >

Resource groups

Default Directory

+ Create | Manage view | ...

Filter for any field...

Name ↑:

- DefaultResourceGroup-CAU
- NetworkWatcherRG

Create a resource group

Basics | Tags | Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Project details

Subscription * ⓘ Azure for Students

Resource group ⓘ Record ✓

Resource details

Region * ⓘ (US) East US

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Review + create | < Previous | Next: Tags >

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Filter for any field...

Name ↑:

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Create a resource group

Basics | Tags | Review + create

Apply tags to your Azure resources to logically organize them by categories. A tag consists of a key (name) and a value. Tag names are case-insensitive and tag values are case-sensitive. [Learn more](#)

Name ⓘ	Value ⓘ	Resource
	Record	Resource group

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Review + create | < Previous | Next: Review + create >

STEP4: CREATE A VIRTUAL NETWORK FOR TO CREATE A VIRTUAL MACHINE .

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Home >

Resource groups

Default Directory

+ Create | Manage view | Refresh | Export to CSV | Open query | Assign tags | Feedback

Filter for any field... | Subscription == all | Location == all | Add filter

Showing 1 to 3 of 3 records. | No grouping | List view

Name ↑	Subscription ↑	Location ↑
DefaultResourceGroup-CAU	Azure for Students	Australia Central
NetworkWatcherRG	Azure for Students	East US
Record	Azure for Students	East US

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STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IP ADDRESS AN USERNAME AND PASSWORD FOR YOUR VIRTUAL MACINE.

STEP6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

Microsoft Azure Search resources, services, and docs (G+/I) 192011079.sse@saveet... DEFAULT DIRECTORY

Home > windows-10

Virtual machine windows-10 | Connect

Search

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Networking Connect Disks Size Microsoft Defender for Cloud Advisor recommendations Extensions + applications Continuous delivery Availability + scaling

To improve security, enable just-in-time access on this VM. →

RDP SSH Bastion

Connect with RDP

✓ Suggested method for connecting

To connect to your virtual machine via RDP, select an IP address, optionally change the port number, and download the RDP file.

IP address * Public IP address (20.24.229.58)

Port number * 3389

Download RDP File

Can't connect?

Test your connection Troubleshoot RDP connectivity issues

Provide feedback

Tell us about your RDP experience

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Home >

Virtual machine windows-10

Search

Connect Start Restart Stop Capture Delete Refresh Open in mobile CLI / PS Feedback

Virtual machine

Computer name	windows-10
Health state	-
Operating system	Windows (Windows 10 Pro)
Publisher	MicrosoftWindowsDesktop
Offer	Windows-10
Plan	win10-21h2-pro-g2
VM generation	V2
VM architecture	x64
Agent status	Ready
Agent version	2.7.41491.1071
Host group	None
Host	-
Proximity placement group	-
Colocation status	N/A
Capacity reservation group	-

Networking

Public IP address	20.24.229.58
Public IP address (IPv6)	-
Private IP address	10.0.0.4
Private IP address (IPv6)	-
Virtual network/subnet	my-resource-group-vnet/default
DNS name	Configure

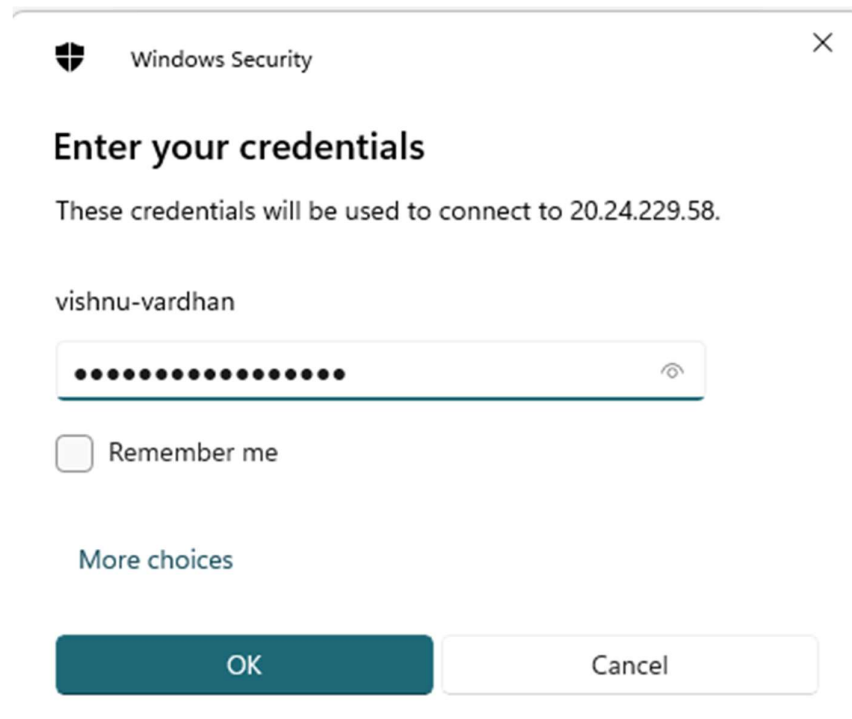
Size

Size	Standard D51 v2
vCPUs	1
RAM	3.5 GiB

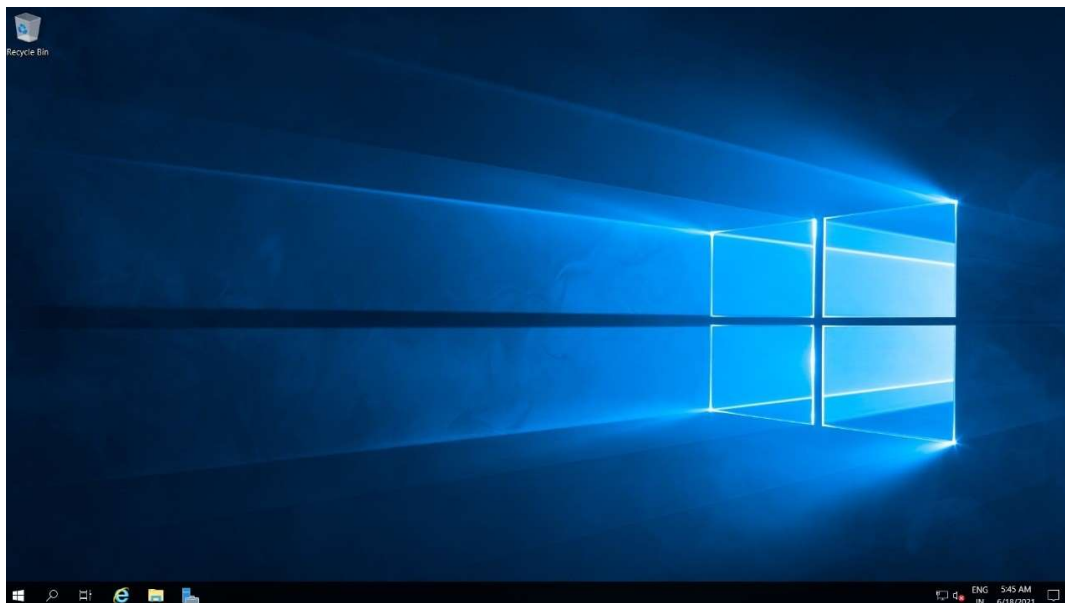
Disk

OS disk	windows-10_disk1_73c3f20f55224cab994f8af6172b5b8d
Encryption at host	Disabled
Azure disk encryption	Not enabled

STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILE TO OPEN YOUR WINDOWS VIRTUAL MACHINE.



STEP8: CREATED A NEW WINDOWS VIRTUAL MACHINE.



RESULT:

Hence infrastructure as a service (IaaS) by creating a virtual machine using a public cloud service (azure) is Demonstrated.

