

EXP -5

VIKAS

DATE : 09-02-2023

**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:

1. Create an account in microsoft azure.
2. Goto resource group and create a resource group.
3. Give necessary things for resource group
4. Create a virtual network for to create a virtual machine .
5. Now create a virtual machine with ur ip address an username and password for your virtual machine.
6. Your virtual machine is deployed.
7. Now connect the virtual machine and download the rdp file to open your windows virtual machine.
8. Created a new windows virtual machine.

IMPLEMENTATION:

STEP1:CREATE AN ACCOUNT IN MICROSOFT AZURE.

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 ...

Validation passed.

Basics Tags Review + create

Basics

Subscription Azure for Students

Resource group Record

Region East US

Tags

None

Page 1 of 1

Create < Previous Next > Download a template for automation

STEP2: GOTO RESOURCE GROUP AND CREATE A 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

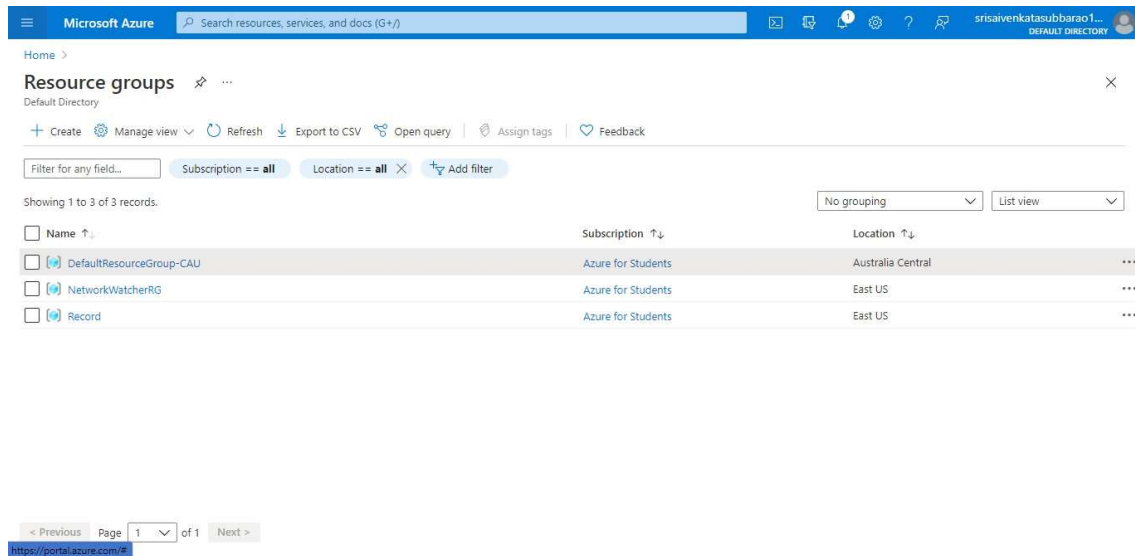
Resource details

Region * (US) East US

Page 1 of 1

Review + create < Previous Next: Tags >

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



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

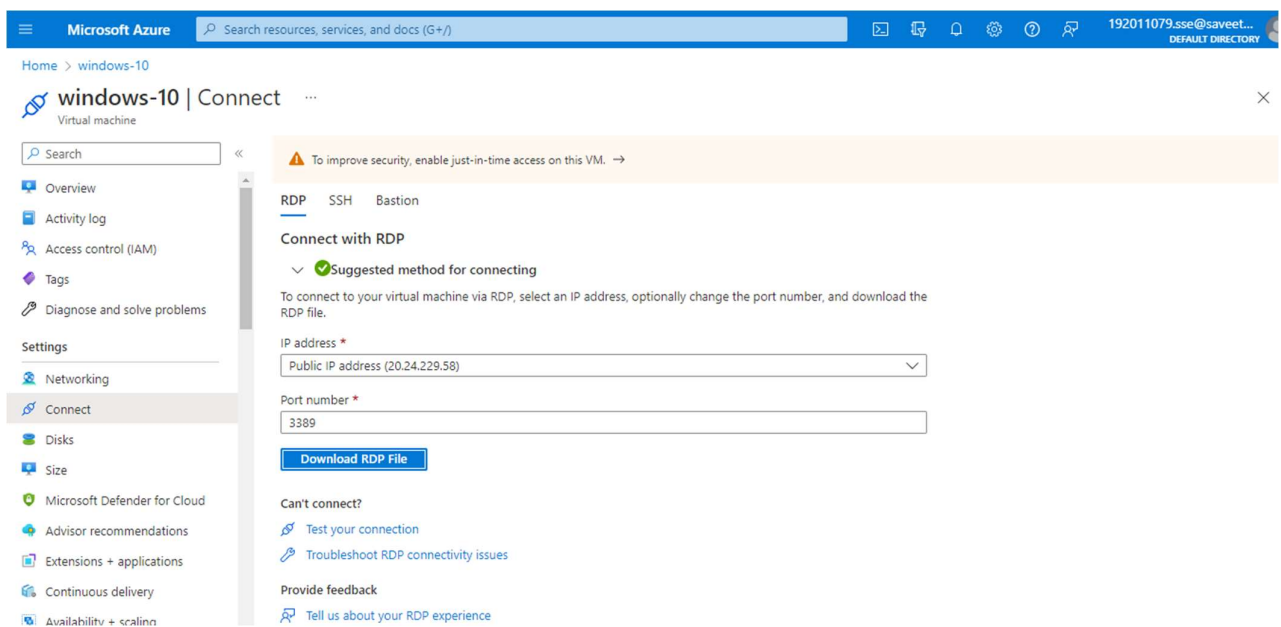
Name	Subscription	Location
DefaultResourceGroup-CAU	Azure for Students	Australia Central
NetworkWatcherRG	Azure for Students	East US
Record	Azure for Students	East US

< Previous Page 1 of 1 Next >

<https://portal.azure.com/#>

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.



Home > windows-10

windows-10 | Connect

Virtual machine

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

Microsoft Azure

Search resources, services, and docs (G+/)

192011079.sse@saveet...
DEFAULT DIRECTORY

Home >

windows-10
Virtual machine

Search

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

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

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.

Windows Security

Enter your credentials

These credentials will be used to connect to 20.24.229.58.

vishnu-varadhan

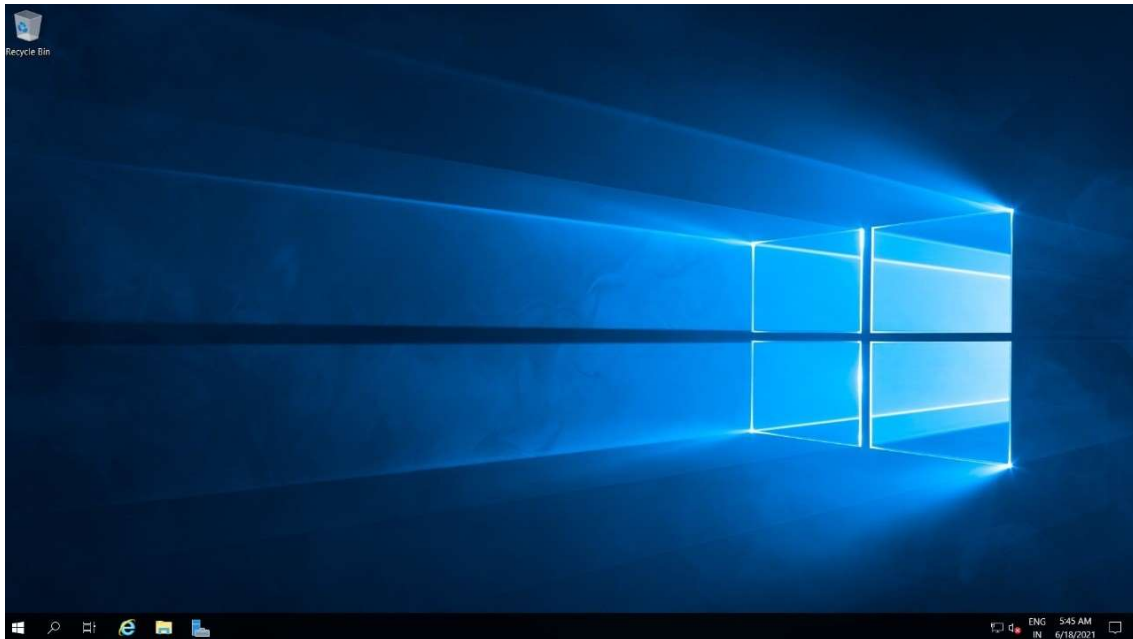
.....

☐ Remember me

More choices

OK Cancel

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.

