

## **EXP -5**

**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+/I)

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+/I)

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 >

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

Microsoft Azure

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

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.

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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<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.

Microsoft Azure

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

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

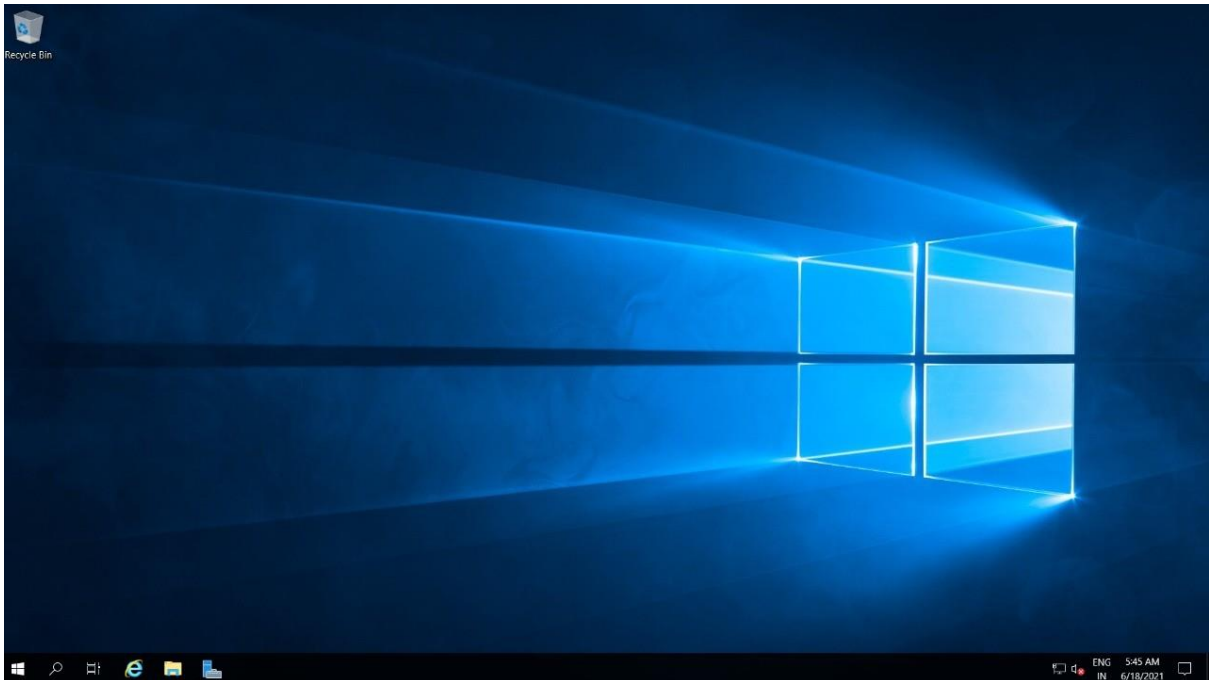
Troubleshoot RDP connectivity issues

Provide feedback

Tell us about your RDP experience



## **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.

