

EXP NO 20. Demonstrate Infrastructure as a Service (IaaS) by establishing the remote connection, launch the created VM image and run in your desktop using Azure.PROCEDURE:

STEP1: CREATE AN ACCOUNT IN MICROSOFT AZURE.

STEP2: GOTO RESOURCE GROUPAND CREATE A RESOURCE GROUP.

STEP3: GIVE NECESSARY THINGS FOR RESOURCE GROUP.

STEP4: CREATE AVIRTUAL NETWORK FOR TO CREATE AVIRTUALMACHINE.

STEP5: NOW CREATE A VIRTUAL MACHINE WITH UR IPADDRESS ANUSERNAME AND PASSWORD FOR YOUR VIRTUAL MACINE.

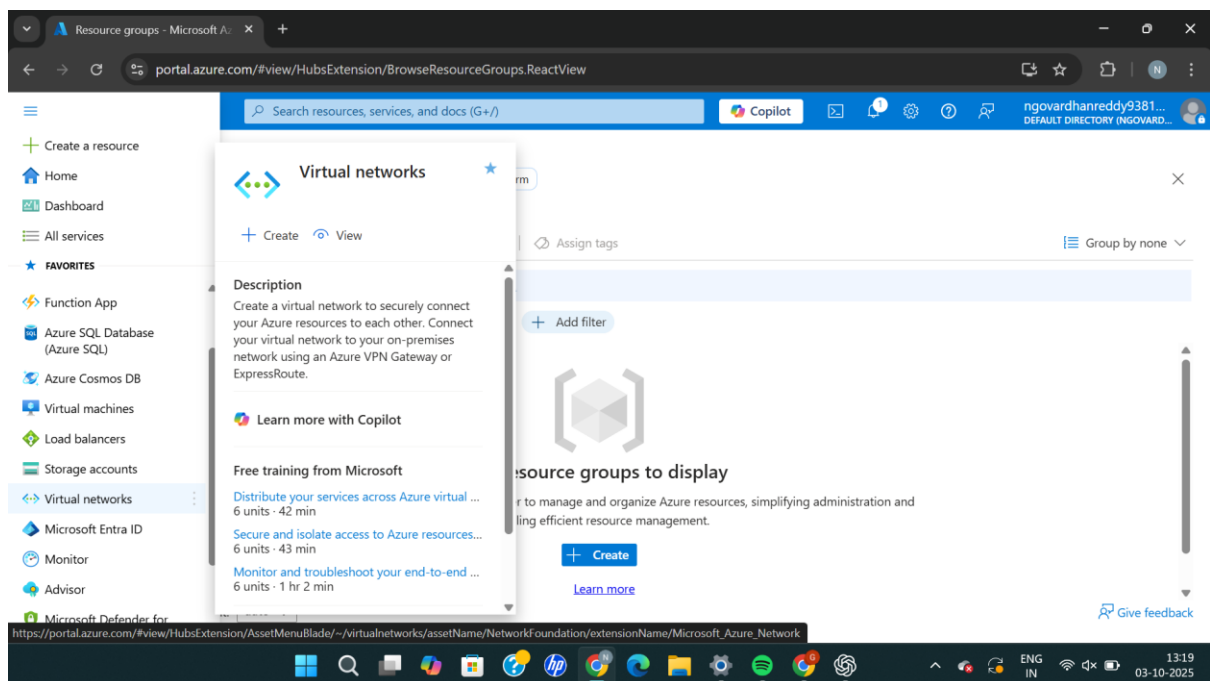
STEP6: AND YOUR VIRTUAL MACHINE IS DEPLOYED.

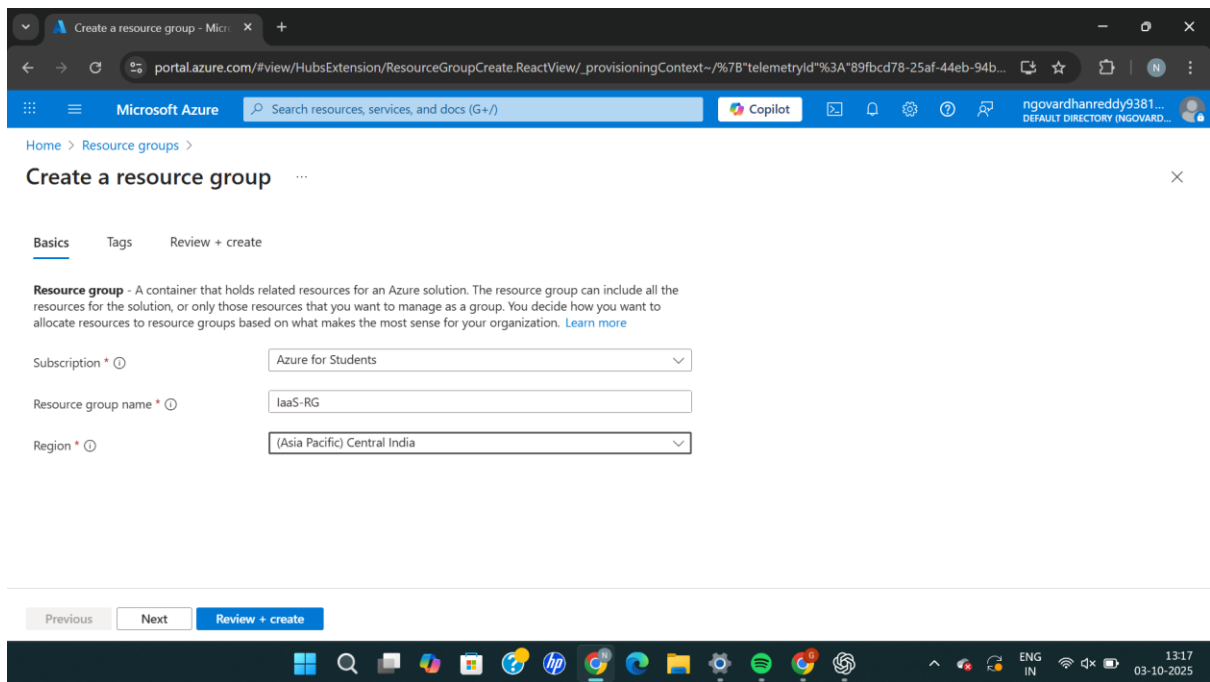
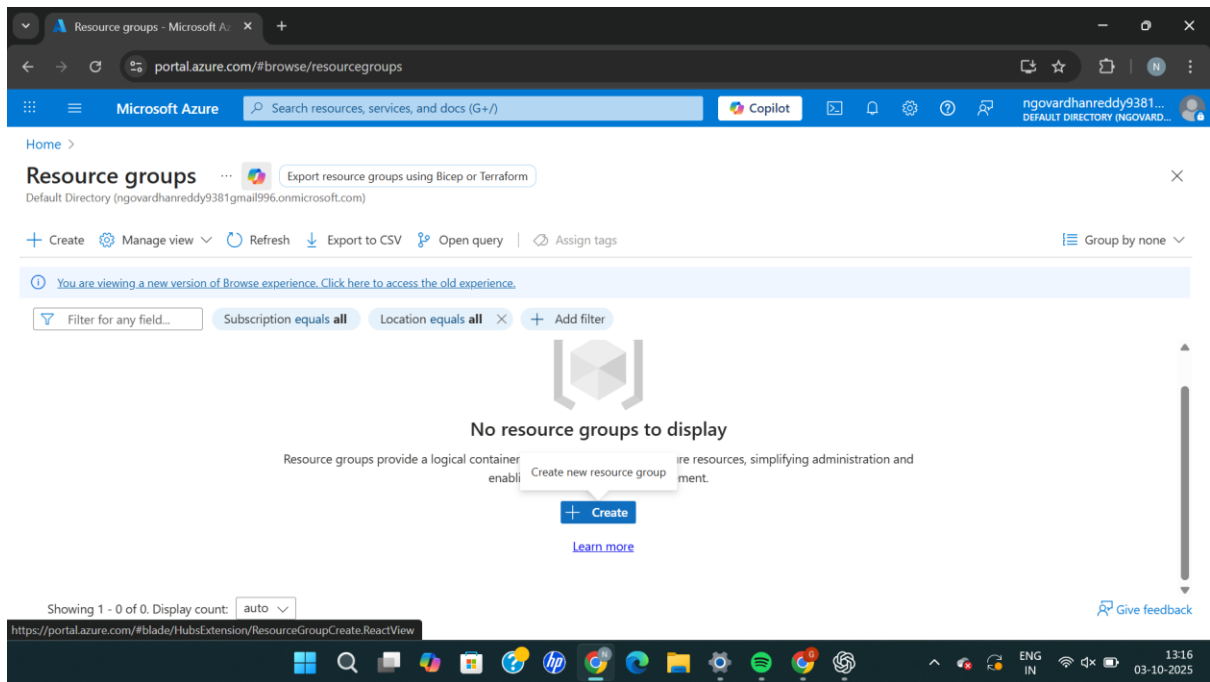
STEP7: NOW CONNECT THE VIRTUAL MACHINE AND DOWNLOAD THE RDP FILETO OPEN YOUR WINDOWS VIRTUAL MACHINE.

STEP8: CREATED ANEW WINDOWS VIRTUAL MACHINE

DESIGN:

DESIGN:





Create a resource group - Micr

portal.azure.com/#view/HubsExtension/ResourceGroupCreate.ReactView/_provisioningContext~/%7B%22telemetryId%22%3A%2289fcd78-25af-44eb-94b...

Microsoft AzureSearch resources, services, and docs (G+)

Copilot

ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...

Home > Resource groups >

Create a resource group

BasicsTagsReview + create

Automation Link

Basics

Subscription

Azure for Students

Resource group name

laaS-RG

Region

Central India

Tags

None

PreviousNextCreate

Windows Taskbar

Google GeminiDevices - Blynk.ConsoleResource groups - Microsoft A

portal.azure.com/#browse/resourcegroups

Microsoft AzureSearch resources, services, and docs (G+)

Copilot

ngovardhanreddy9381...
DEFAULT DIRECTORY (NGOVARD...

Home >

Resource groups

Export resource groups using Bicep or Terraform

Default Directory (ngovardhanreddy9381@gmail996.onmicrosoft.com)

CreateManage viewRefreshExport to CSVOpen queryAssign tags

Group by none

You are viewing a new version of Browse experience. Click here to access the old experience.

laaS

Subscription equals all

Location equals all

Add filter

Name ↑

Subscription

Location

laaS-Demo-RG

Azure for Students

East Asia

Showing 1 - 1 of 1. Display count: auto

Give feedback

Windows Taskbar

The screenshot displays the Microsoft Azure portal's 'Create a virtual machine' wizard. The browser address bar shows 'portal.azure.com/#create/Microsoft.VirtualMachine'. The page header includes the Microsoft Azure logo and a search bar. The main heading is 'Create a virtual machine', followed by three help prompts: 'Help me choose the right VM size for my workload', 'Help me create a VM optimized for high availability', and 'Help me create a low cost VM'. A green banner indicates 'Validation passed'. Below this, there are three more help prompts: 'Help me create a low cost VM', 'Help me create a VM optimized for high availability', and 'Help me choose the right VM size for my workload'. The navigation tabs at the bottom are 'Basics', 'Disks', 'Networking', 'Management', 'Monitoring', 'Advanced', 'Tags', and 'Review + create'. The 'Price' section shows '1 X Standard B1s by Microsoft' with a price of '0.0186 USD/hr'. The 'TERMS' section states: 'By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same'. At the bottom, there are buttons for '< Previous', 'Next >', and 'Create', along with a link to 'Download a template for automation' and a 'Give feedback' button.

Microsoft Azure portal showing the deployment details for a virtual machine named "CreateVm-MicrosoftWindowsServer.WindowsServer-202-20251004114313". The deployment is in progress.

Deployment details:

Resource	Type	Status	Operation details
Windows-Demo-VM	Microsoft.Compute/virtualMachines	Created	Operation details
windows-demo-vm51_z1	Microsoft.Network/networkInterfaces	OK	Operation details
Windows-Demo-VM-nic	Microsoft.Network/networkInterfaces	OK	Operation details
Windows-Demo-VM-vnet	Microsoft.Network/virtualNetworks	OK	Operation details
Windows-Demo-VM-ip	Microsoft.Network/publicIPAddresses	OK	Operation details

Deployment name: CreateVm-MicrosoftWindowsServer.Wi... Start time: 10/4/2025, 11:45:20 AM
Subscription: Azure for Students Correlation ID: bdf0ae4a-dc60-4fa2-b9b
Resource group: WindowsVM-RG

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Microsoft Azure portal showing the connection options for the virtual machine "Windows-Demo-VM".

Connect using RDP file

Download and open file to connect [Download RDP file](#)

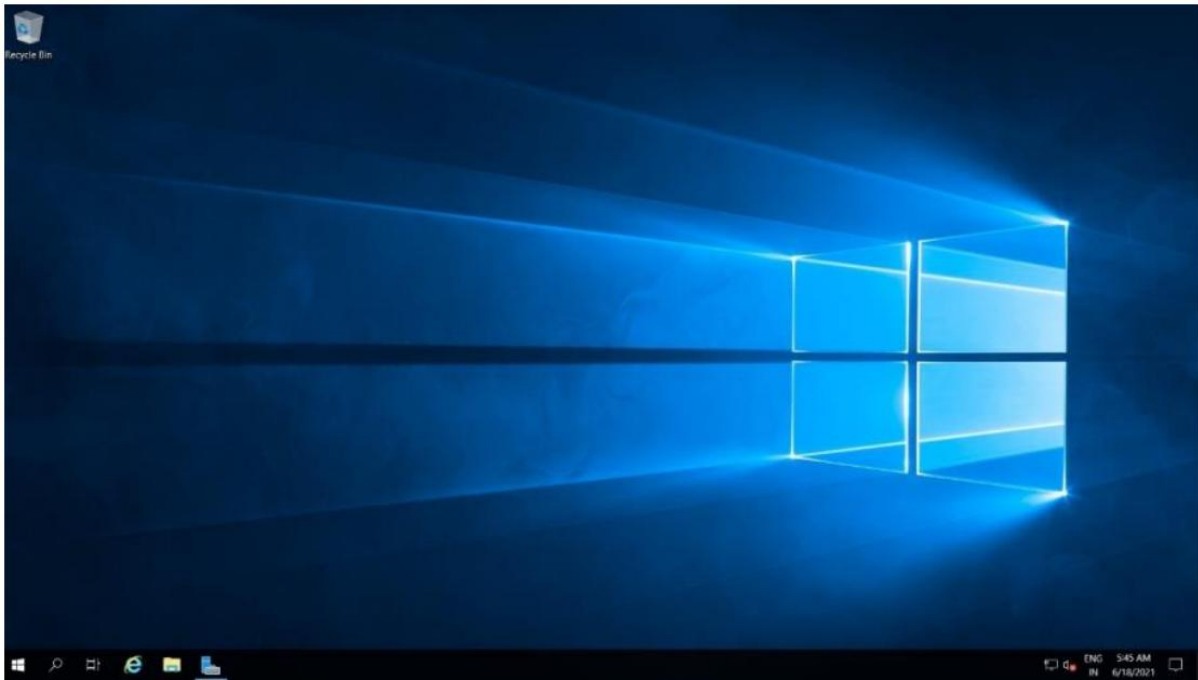
Username:

[Edit settings](#)

More ways to connect (4)

- Bastion (Basic, Standard, or Premium)**
Advanced capabilities including custom inbound port, RDP on desktop, and host scaling. [Learn more](#)
[Go to Bastion](#)
- Serial console**
Troubleshooting with access independent of the network or operating system state. [Learn more](#)
[Go to serial console](#)

A "Remote Desktop Connection" dialog box is overlaid, showing "Connecting to 20.255.59.71:3389" and "Configuring remote session..."



RESULT:

successfully demonstrated infrastructure as a service (iaas) by creating a virtual machine using a public cloud service provider (azure), configure with required memory and cpu.