

Create two virtual machines

Microsoft Azure

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Create a virtual machine

Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

Basics

Disks

Networking

Management

Monitoring

Advanced

Tags

Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription *

Manohar Subscription

Resource group *

Demo-RG

Create new

Instance details

Virtual machine name *

VM1

Region *

(Asia Pacific) Central India

Availability options

No infrastructure redundancy required

Security type

Trusted launch virtual machines

[Configure security features](#)

Image *

Windows Server 2022 Datacenter - x64 Gen2

[See all images](#) | [Configure VM generation](#)

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☒ x64

 Arm64 is not supported with the selected image.

Run with Azure Spot discount 

☐



Size * 

Standard_B2ms - 2 vcpus, 8 GiB memory (₹5,927.45/month) 

[See all sizes](#)

Enable Hibernation 

☐

 Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. [Learn more](#) 

Administrator account

Username * 

manohar 

Password *

..... 

Confirm password *

..... 

Inbound port rules

Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.

Public inbound ports * 

☐ None


☒ Allow selected ports

[< Previous](#) [Next : Disks >](#) [Review + create](#)

☒ Allow selected ports


Select inbound ports *

HTTP (80), RDP (3389) 

 **This will allow all IP addresses to access your virtual machine.** This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.

Licensing

Save up to 49% with a license you already own using Azure Hybrid Benefit. [Learn more](#) 

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☐

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Help me choose the right VM size for my workload

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution.
[Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network *

(new) VM1-vnet
[Create new](#)

Subnet *

(new) default (10.0.0.0/24)

Public IP *

(new) VM1-ip
[Create new](#)

NIC network security group

None

Basic

Advanced

Public inbound ports *

None

Allow selected ports

Select inbound ports *

HTTP (80), RDP (3389)

This will allow all IP addresses to access your virtual machine. This is only

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Review + create

Create virtual network

The Microsoft Azure Virtual Network service enables Azure resources to securely communicate with each other in a virtual network which is a logical isolation of the Azure cloud dedicated to your subscription. You can connect virtual networks to other virtual networks, or your on-premises network. [Learn more](#)

Name *

INDVnet

Address space

The virtual network's address space, specified as one or more address prefixes in CIDR notation (e.g. 192.168.1.0/24).

Address range *

10.0.0.0/16

10.0.0.0 - 10.0.255.255 (65536 addresses)

Overlap

None

(0 Addresses)

None

Subnets

The subnet's address range in CIDR notation. It must be contained by the address space of the virtual network.

Subnet name

VMSubnet

Address range

10.0.0.0/24

Addresses

10.0.0.0 - 10.0.0.255 (256 addresses)

(0 Addresses)

OK

Discard

5:58 AM

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Virtual network *

(new) INDVnet
[Create new](#)

Subnet *

(new) VMSubnet (10.0.0.0/24)

Public IP

None
[Create new](#)

NIC network security group

None

Basic

Advanced

Public inbound ports *

None

Allow selected ports

Select inbound ports *

HTTP (80), RDP (3389)

This will allow all IP addresses to access your virtual machine. This is only

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Create a virtual machine ...

✔ Validation passed



Help me create a low cost VM

Help me create a VM optimized for high availability

Help me choose the right VM size for my workload

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Price

1 X Standard B2ms
by Microsoft
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Subscription credits apply ⓘ

8.1198 INR/hr
[Pricing for other VM sizes](#)

TERMS

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 billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.



You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.

Basics

Subscription

Manohar Subscription

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Create a virtual machine

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Subscription * ⓘ

Manohar Subscription

Resource group * ⓘ

Demo-RG

[Create new](#)

Instance details

Virtual machine name * ⓘ

VM2

Region * ⓘ

(Asia Pacific) Central India

Availability options ⓘ


No infrastructure redundancy required

Security type ⓘ

Trusted launch virtual machines

[Configure security features](#)

Image * ⓘ

 Windows Server 2022 Datacenter - x64 Gen2[See all images](#) | [Configure VM generation](#)

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[Learn more](#)

Network interface

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Virtual network * ⓘ	<div>INDVnet</div> <div>Create new</div>
Subnet * ⓘ	<div>VMSubnet (10.0.0.0/24)</div> <div>Manage subnet configuration</div>
Public IP ⓘ	<div>None</div> <div>Create new</div>
NIC network security group ⓘ	<div><input type="radio"/> None</div> <div><input checked="" type="radio"/> Basic</div> <div><input type="radio"/> Advanced</div>
Public inbound ports * ⓘ	<div><input type="radio"/> None</div> <div><input checked="" type="radio"/> Allow selected ports</div>
Select inbound ports *	<div>HTTP (80), RDP (3389)</div>

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Create a virtual machine ...

Validation passed

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Basics

SubscriptionManohar Subscription

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maaheshkumar0091989...
DEFAULT DIRECTORY (MAHESHK...

Home >

Virtual machines ...

Default Directory (maaheshkumar0091989@gmail@microsoft.com)

CreateSwitch to classicReservationsManage viewRefreshExport to CSVOpen queryAssign tagsStartRestartStopDeleteServicesMaintenance

Filter for any field...Subscription equals allType equals allResource group equals allLocation equals allAdd filter

No groupingList view

Showing 1 to 2 of 2 records.

Name ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	Status ↑↓	Operating system ↑↓	Size ↑↓	Public IP address ↑↓	Disks ↑↓	Update status ↑↓
<input type="checkbox"/> VM1	Manohar Subscription	Demo-RG	Central India	Running	Windows	Standard_B2ms	-	1	Enable periodic assessment ...
<input type="checkbox"/> VM2	Manohar Subscription	DEMO-RG	Central India	Running	Windows	Standard_B2ms	-	1	Enable periodic assessment ...

Install IIS Web server on both the vms

Microsoft Azure

Home > Virtual machines > VM1

Virtual machines

Default Directory (maheshkumar009198@gmail.com)

+ Create Switch to classic

Filter for any field...

Name ↑

- VM1
- VM2

Page 1 of 1

VM1 | Run command

Virtual machine

Search

- Locks
- Availability + scale
 - Size
 - Availability + scaling
- Security
 - Identity
 - Microsoft Defender for Cloud
- Backup + disaster recovery
 - Backup
 - Disaster recovery
 - Restore point
- Operations
 - Auto-shutdown
 - Run command
 - Updates
 - Health monitoring
 - Configuration management
 - Policies
 - Inventory

Now it's possible to execute multiple scripts at the same time, manage their progress, and update Run Command feature, now available through Azure CLI and PowerShell.

Run Command uses the VM agent to let you run a script inside this virtual machine for maintenance. Select a command below to see details.

Name	Description
RunPowerShellScript	Execute a PowerShell script
DisableNLA	Disable Network Location Awareness
DisableWindowsUpdate	Disable Windows Update
EnableAdminAccount	Enable the local administrator account
EnableEMS	Enable the Event Management Service
EnableRemotePS	Enable Remote PowerShell
EnableWindowsUpdate	Enable Windows Update
IPConfig	Get IP configuration
RDPSettings	Get RDP settings
ResetRDPcert	Reset the Remote Desktop Certificate
SetRDPport	Set the Remote Desktop port

Run Command Script

RunPowerShellScript

Script execution complete

```
PowerShell Script
1 Install-WindowsFeature -Name Web-Server -IncludeManagementTools
```

Run

Output

Success	Restart Needed	Exit Code	Feature Result
True	No	Success	(Common HTTP Features, Default Document, D...

Microsoft Azure

Home > Virtual machines > VM2

Virtual machines

Default Directory (maheshkumar009198@gmail.com)

+ Create Switch to classic

Filter for any field...

Name ↑

- VM1
- VM2

Page 1 of 1

VM2 | Run command

Virtual machine

Search

- Identity
- Microsoft Defender for Cloud
- Backup + disaster recovery
 - Backup
 - Disaster recovery
 - Restore point
- Operations
 - Auto-shutdown
 - Run command
 - Updates
 - Health monitoring
 - Configuration management
 - Policies
 - Inventory
 - Change tracking
- Monitoring
 - Insights
 - Alerts
 - Metrics

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Run

Output

Success	Restart Needed	Exit Code	Feature Result
True	No	Success	(Common HTTP Features, Default Document, D...

Create a load balancer

Create load balancer ...

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

Azure load balancer is a layer 4 load balancer that distributes incoming traffic among healthy virtual machine instances. Load balancers uses a hash-based distribution algorithm. By default, it uses a 5-tuple (source IP, source port, destination IP, destination port, protocol type) hash to map traffic to available servers. Load balancers can either be internet-facing where it is accessible via public IP addresses, or internal where it is only accessible from a virtual network. Azure load balancers also support Network Address Translation (NAT) to route traffic between public and private IP addresses. [Learn more.](#)

Project details

Subscription * Manohar Subscription

Resource group * Demo-RG
[Create new](#)

Instance details

Name * app-lb

Region * Central India

SKU * Standard (Distribute traffic to backend resources)
☐ Gateway (Direct traffic to network virtual appliances)
☐ Basic (Retiring on September 30, 2025)

Type * Public
☐ Internal

Tier * Regional
☐ Global

[Review + create](#) < Previous Next : Frontend IP configuration > [Download a template for automation](#) [Give feedback](#)

Configure frontendip

Microsoft Azure

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maheeshkumar0091980...
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Home > Load balancing | Load Balancer >

Create load balancer ...

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

A frontend IP configuration is an IP address used for inbound and/or outbound communication as defined within load balancing, inbound NAT, and outbound rules.

+ Add a frontend IP configuration

Name * IP address *
Add a frontend IP to get started

Add frontend IP configuration

app-lb

Name * app-lb-config

IP version ☒ IPv4 ☐ IPv6

IP type ☒ IP address ☐ IP prefix

Public IP address * (new) app-lb-pip
[Create new](#)

Gateway Load balancer ☐ None

[Save](#) [Cancel](#) [Give feedback](#)

Add backend pool

Microsoft Azure

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Copilot

mahe...
mahe...

Home > Load balancing > Load Balancer > Create load balancer >

Add backend pool

Name *

poolA

Virtual network

INDVnet (Demo-RG)

Backend Pool Configuration

NIC

IP address

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in same virtual network.

+ Add

Remove

Resource Name	Resource group	Type
---------------	----------------	------

Save

Cancel

Give feedback

Add IP configurations to backend pool

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

Filter by name...

Location : centralindia

Virtual network : INDVnet

Add filter

Show resources that are not available for selection

Resourc...	Resourc...	Type	IP confi...	IP Addr...	Availabl...	Tags
Virtual machine (2)						
<input checked="" type="checkbox"/>	VM1	Demo-RG	Virtual ...	ipconfig1	10.0.0.4	-
<input checked="" type="checkbox"/>	VM2	Demo-RG	Virtual ...	ipconfig1	10.0.0.5	-

Add

Cancel

Give feedback

Microsoft Azure

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mahe...

Home > Load balancing > Load Balancer > Create load balancer >

Add backend pool

Name *

poolA

Virtual network

INDVnet (Demo-RG)

Backend Pool Configuration

NIC

IP address

IP configurations

IP configurations associated to virtual machines and virtual machine scale sets must be in same location as the load balancer and be in the same virtual network.

+ Add

Remove

Resource Name	Resource group	Type	IP configuration	IP Address	Availability set
VM1	Demo-RG	Virtual machine	ipconfig1	10.0.0.4	-
VM2	Demo-RG	Virtual machine	ipconfig1	10.0.0.5	-

Save

Cancel

Give feedback

Add load balancing rule

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

Home > Load balancing > Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools **Inbound rules** Outbound rules Tags Review + create

Load balancing rule

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. The load balancing rule uses a health probe to determine which backend instances are healthy.

+ Add a load balancing rule

Name	Frontend IP configuration	Backend pool	Health probe	Frontend Port
Add a rule to get started				

Inbound NAT rule

An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.

+ Add an inbound NAT rule

Name	Frontend IP configuration	Service	Target
Add a rule to get started			

Review + create < Previous Next: Outbound rule > Download a template for automation Give feedback

Add load balancing rule

app-lb

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. Only backend instances that the health probe considers healthy receive new traffic. [Learn more.](#)

Name *

IP version * ☒ IPv4 ☐ IPv6

Frontend IP address *

Backend pool *

Protocol ☒ TCP ☐ UDP

Port *

Backend port *

Health probe *
[Create new](#)

Session persistence
Session persistence specifies that traffic

Save Cancel [Give feedback](#)

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Home > Load balancing > Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools **Inbound rules** Outbound rules Tags Review + create

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+ Add an inbound NAT rule

Name	Frontend IP configuration	Service	Target
Add a rule to get started			

Review + create < Previous Next: Outbound rule > Download a template for automation Give feedback

Add load balancing rule

app-lb

Port *

Backend port *

Health probe *
[Create new](#)

Session persistence
Session persistence specifies that traffic from a client should be handled by the same virtual machine in the backend pool for the duration of a session. [Learn more.](#)

Idle timeout (minutes) *

Enable TCP Reset ☐

Enable Floating IP ☐

Outbound source network address translation (SNAT) ☒ (Recommended) Use outbound rules to provide backend pool members access to the internet. [Learn more.](#) ☐ Use default port allocation to provide backend pool members with a minimal set of SNAT ports. This is not recommended because it can cause SNAT port exhaustion. [Learn more.](#)

Save Cancel [Give feedback](#)

Add an inbound NAT Rule

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Home > Load balancing > Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

Load balancing rule

A load balancing rule distributes incoming traffic that is sent to a selected IP address and port combination across a group of backend pool instances. The load balancing rule uses a health probe to determine which backend inst...

+ Add a load balancing rule

Name	Frontend IP configuration	Backend pool	Health probe	Frontend Po
httprule	app-lb-config	poolA	lb-health	80

Inbound NAT rule

An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.

+ Add an inbound nat rule

Name	Frontend IP configuration	Service	Target
Add a rule to get started			

Review + create < Previous Next: Outbound rule > Download a template for automation /Give feedback

Add inbound NAT rule

app-lb

An inbound NAT rule forwards incoming traffic sent to a selected IP address and port combination to a specific virtual machine.

Inbound NAT rule v1 will be retired on 30, September 2027. It is highly recommended to start new creations on V2 of Inbound NAT rules to avoid future migrations and benefit from all the new and significant improvements. Learn more.

Name * RDP

Type ☒ Azure virtual machine ☐ Backend pool

Target virtual machine Vm1

Network IP configuration * ipconfig1 (10.0.0.4)

Frontend IP address * app-lb-config (To be created)

Frontend Port * 3389

Service Tag * RDP

Backend port * 3389

Protocol ☒ TCP

Save Cancel Give feedback

Add outbound rule

Microsoft Azure

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Home > Load balancing > Load Balancer >

Create load balancer

Basics Frontend IP configuration Backend pools Inbound rules Outbound rules Tags Review + create

Outbound rules

An outbound rule allocates source network access translation (SNAT) ports from Frontend IP addresses to a backend pool for outbound connections to the internet.

+ Add an outbound rule

Name	Frontend IP configuration	Backend pool	Protocols
Add a rule to get started			

Review + create < Previous Next: Tags > Download a template for automation /Give feedback

Add outbound rule

Name * outboundruleA

IP Version * ☒ IPv4 ☐ IPv6

Frontend IP address * 1 selected

Protocol ☒ All ☐ TCP ☐ UDP

Idle timeout (minutes) 4 Max: 100

TCP Reset ☒ Enabled ☐ Disabled

Backend pool * poolA (2 instances)

Port allocation

Azure automatically assigns the number of outbound ports to use for source network address translation (SNAT) based on the number of frontend IP addresses and backend pool instances.

Add

Microsoft Azure

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Create load balancer ...

Validation passed

Basics

Frontend IP configuration

Backend pools

Inbound rules

Outbound rules

Tags

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Basics

SubscriptionManohar Subscription

Resource groupDemo-RG

Nameapp-lb

RegionCentral India

SKUStandard

TierRegional

TypePublic

Frontend IP configuration

Frontend IP configuration nameapp-lb-config

Frontend IP configuration IP addressTo be created

Backend pools

Backend pool namepoolA

Inbound rules

Load balancing rule namehttprule

Health probe namelb-health

Create

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Home >

Microsoft.LoadBalancer-20250126060658 | Overview ...

Deployment

Search

Delete

Cancel

Redeploy

Download

Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : Microsoft.LoadBalancer-20250126060658

Subscription : Manohar Subscription

Resource group : Demo-RG

Start time : 1/26/2025, 6:16:16 AM

Correlation ID : 84cc22d7-d708-41e6-b0e0-9328f8079dbf

> Deployment details

< Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

Copy the public ip of the load balancer and paste on the browser

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Home > Microsoft.LoadBalancer-20250126060658 | Overview > app-lb

app-lb | Frontend IP configuration

Load balancer

Search

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Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Frontend IP configuration

Backend pools

Health probes

Load balancing rules

Inbound NAT rules

Outbound rules

Properties

Locks

Monitoring

Insights

Diagnostic settings

Logs

Alerts

The frontend IP address configuration of a load balancer serves as the entry point for incoming traffic to the load balancer, and the load balancer then distributes the traffic to the backend pool of virtual machines or services. [Learn more](#)

Type to start filtering...

Showing all 1 items

Name	IP address	Rules count
app-lb-config	4213.60.231 (app-lb-pip)	3

Not secure 4213.60.231

Windows Server

Internet Information Services

Welcome Bienvenue Tervetuloa

ようこそ Benvenuto 歡迎

Bem-vindo

Bienvenido Hoş geldiniz ברוכים הבאים Welkom

Vítejte Καλώς ορίσαστε Valkommen 환영합니다 Добро пожаловать Üdvözlök

مرحبا 欢迎

Connect to vm using load balancer ip

Microsoft Azure

Home > Microsoft.LoadBalancer-20250126060658 | Overview > app-lb

app-lb | Frontend IP configuration

Load balancer

Search

+ Add Refresh

The frontend IP address configuration of a load balancer serves as the entry point for incoming traffic to the load balancer, and the load balancer then distributes the traffic to the backend pool of virtual machines or services. [Learn more](#)

Type to start filtering ...

Showing all 1 items

Name	IP address	Rules count
app-lb-config	4.213.60.231 (app-lb-pip)	3

Run

Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.

Open: mstsc /v:4.213.60.231

OK Cancel Browse...

Give feedback

Microsoft Azure

Home > Microsoft.LoadBalancer-20250126060658 | Overview > app-lb

app-lb | Frontend IP configuration

Load balancer

Search

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Showing all 1 items

Name	IP address	Rules count
app-lb-config	4.213.60.231 (app-lb-pip)	3

Remote Desktop Connection

The identity of the remote computer cannot be verified. Do you want to connect anyway?

The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.

Certificate name

Name in the certificate from the remote computer: VM1

Certificate errors

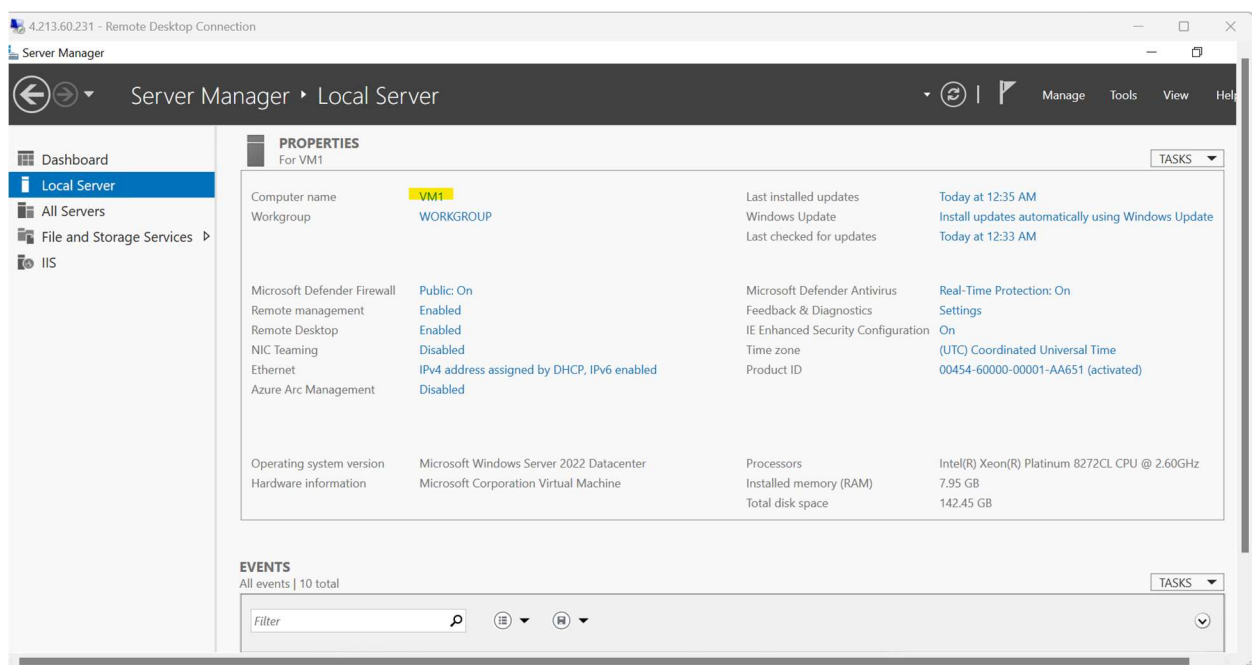
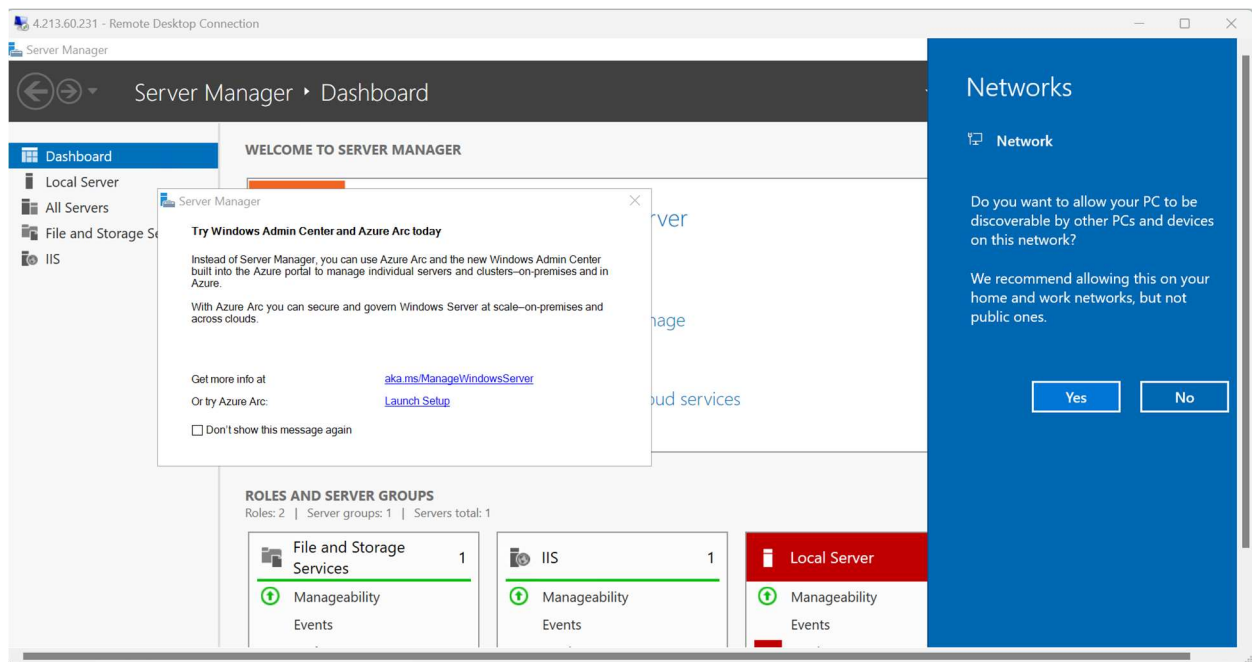
The following errors were encountered while validating the remote computer's certificate:

- The certificate is not from a trusted certifying authority.

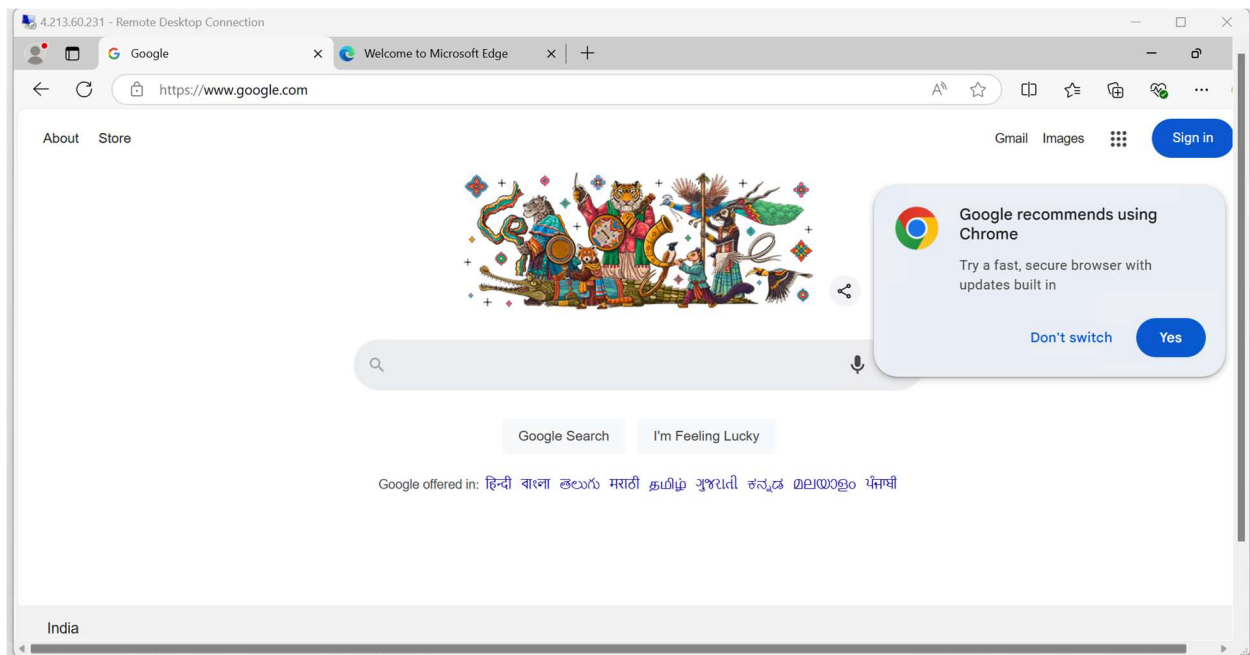
Do you want to connect despite these certificate errors?

☐ Don't ask me again for connections to this computer

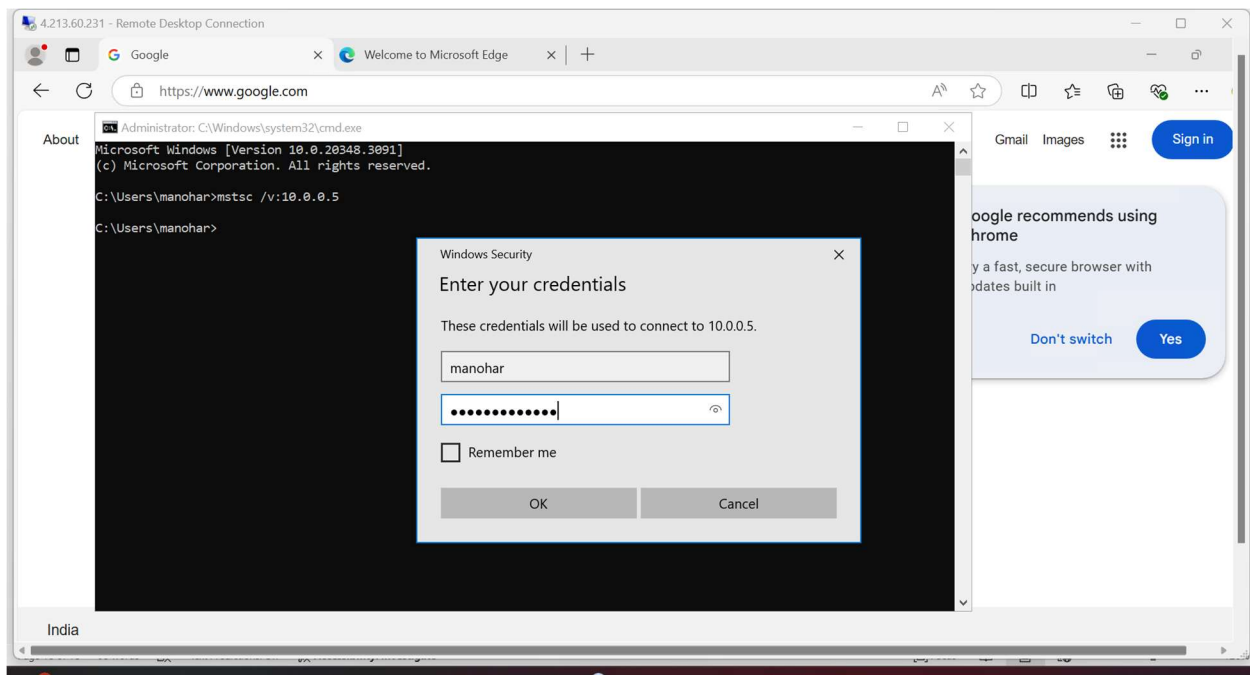
View certificate... Yes No

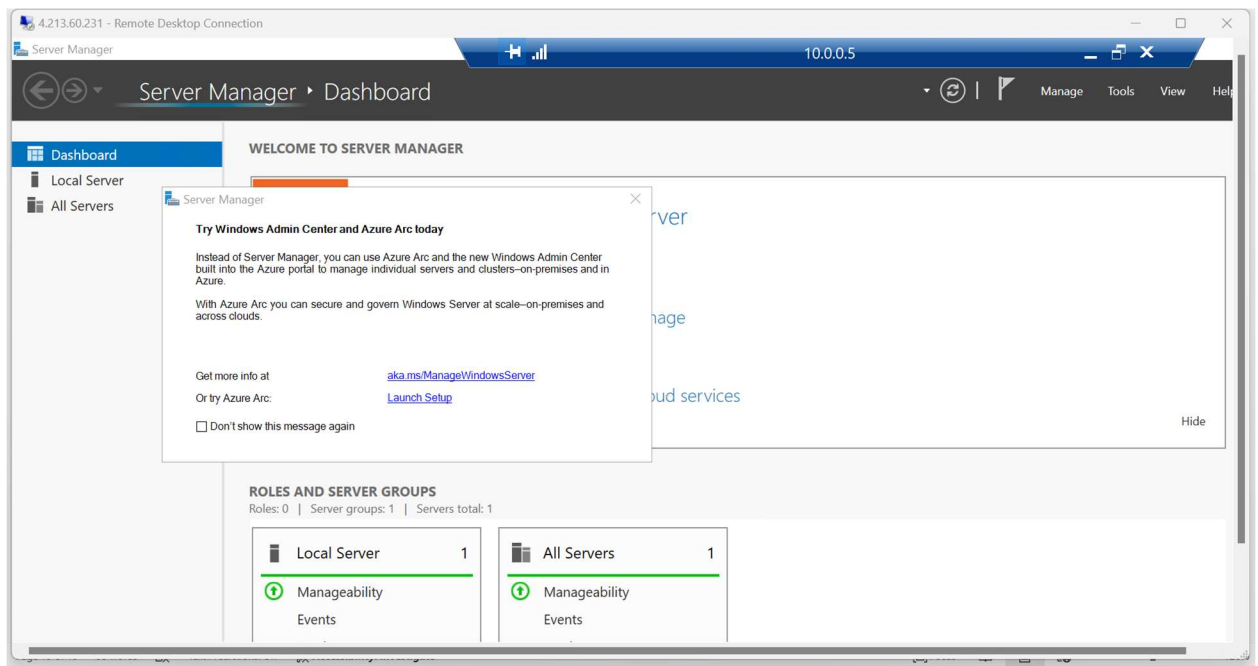
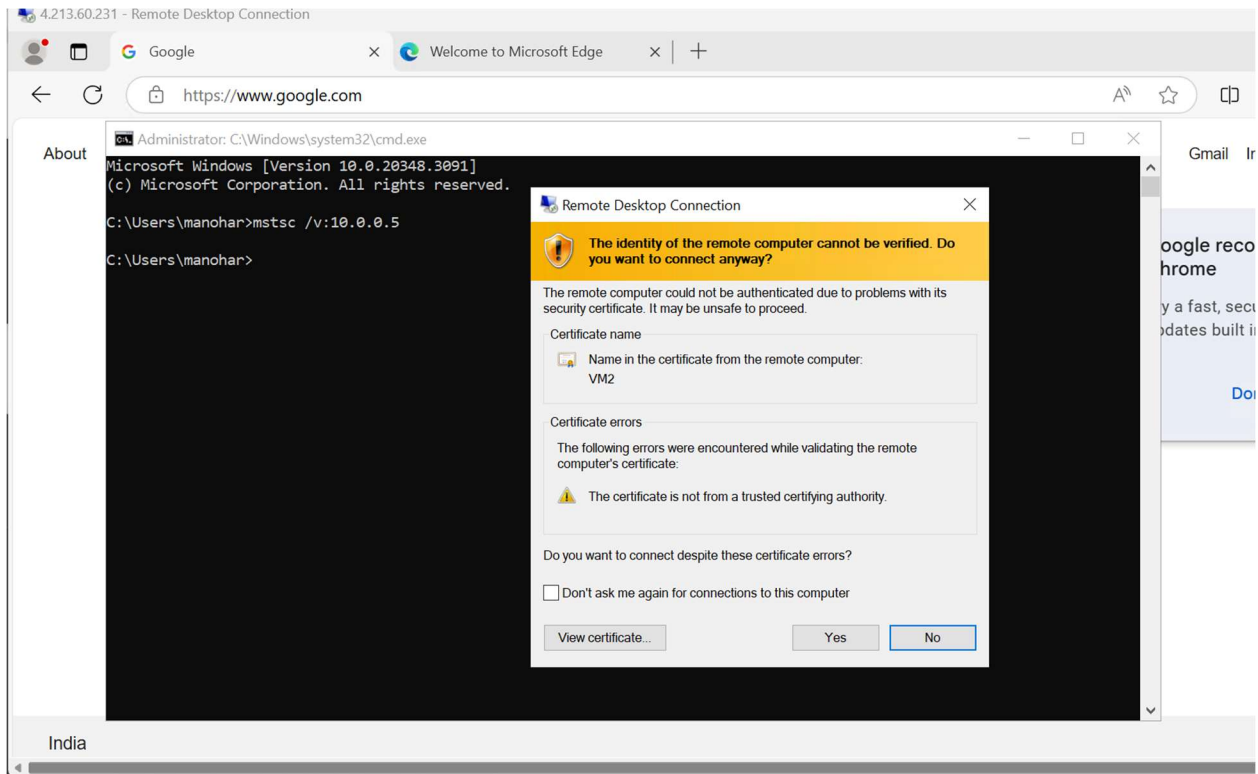


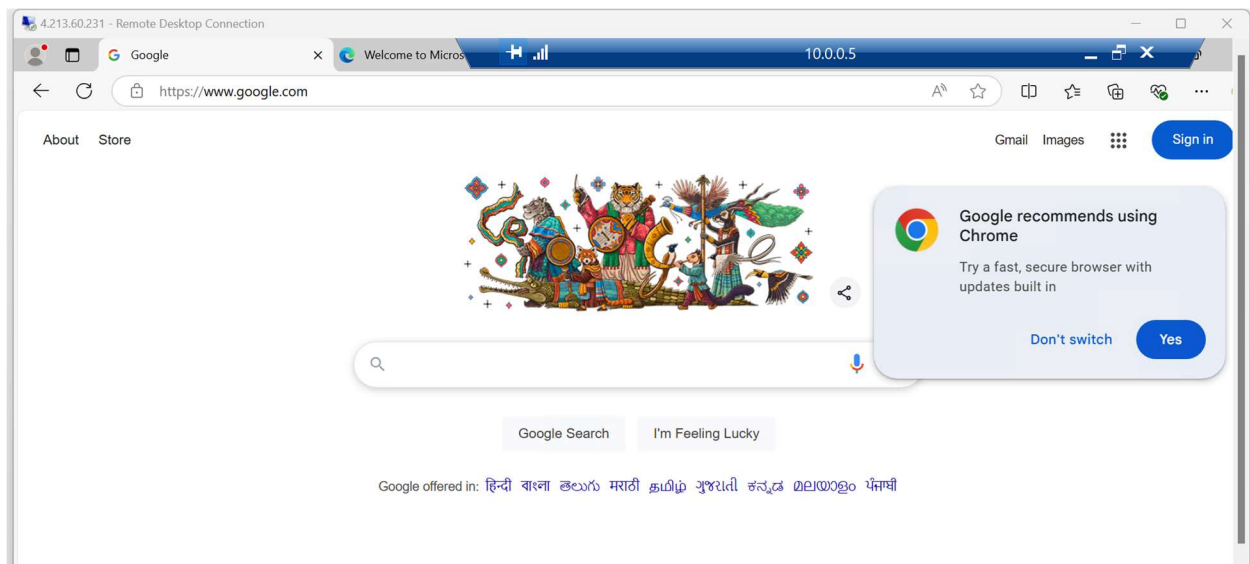
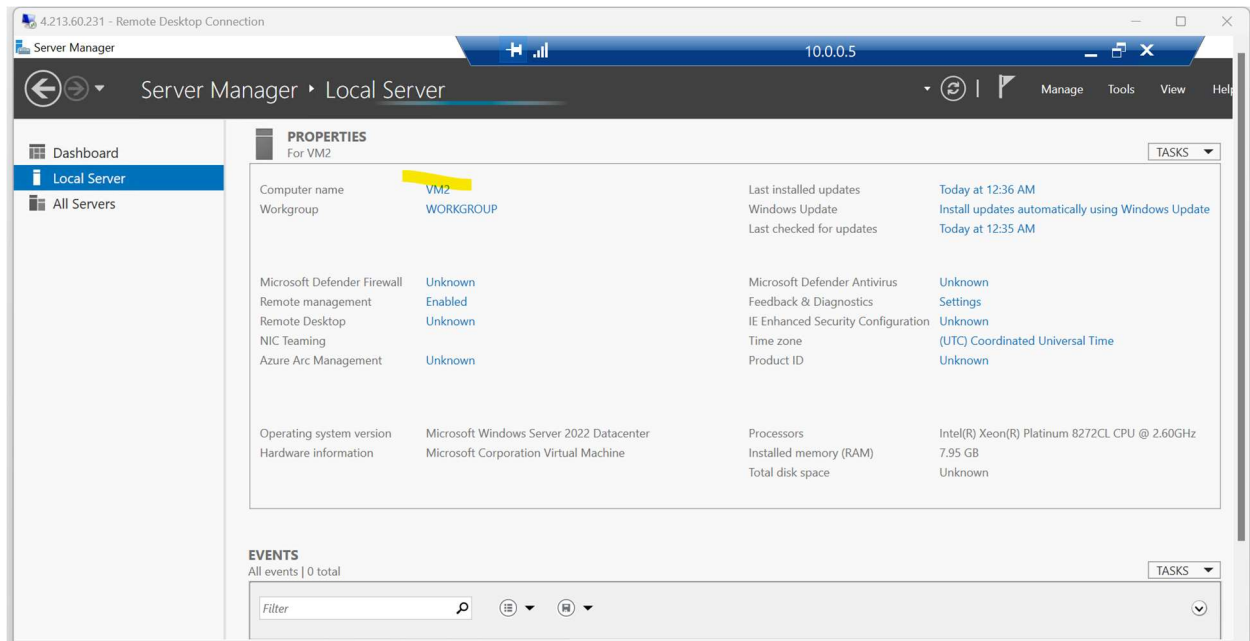
We are able to access internet from vm1



Take RDP access of vm2 from vm1







Microsoft Azure

Search resources, services, and docs (G+7)

Copilot

mareshkumar0091989...

DEFAULT DIRECTORY MANAGER

Home >

All resources

Default Directory (mareshkumar0091989@gmail.onmicrosoft.com)

+ Create

Manage view

Refresh

Export to CSV

Open query

Assign tags

Delete

Filter for any field...

Subscription equals all

Resource group equals all

Type equals all

Location equals all

Add filter

0 Unsecure resources

0 Recommendations

Changed resources

No grouping

List view

Name	Type	Resource group	Location	Subscription	
app-lb	Load balancer	Demo-RG	Central India	Manohar Subscription	**
app-lb-pip	Public IP address	Demo-RG	Central India	Manohar Subscription	**
INDVnet	Virtual network	Demo-RG	Central India	Manohar Subscription	**
NetworkWatcher_centralindia	Network Watcher	NetworkWatcherRG	Central India	Manohar Subscription	**
VM1	Virtual machine	DEMO-RG	Central India	Manohar Subscription	**
VM1-nsg	Network security group	Demo-RG	Central India	Manohar Subscription	**
vm163	Network interface	Demo-RG	Central India	Manohar Subscription	**
VM1_disk1_c774c913765344ec95c96baf8733c3d2	Disk	DEMO-RG	Central India	Manohar Subscription	**
VM2	Virtual machine	DEMO-RG	Central India	Manohar Subscription	**
VM2-nsg	Network security group	Demo-RG	Central India	Manohar Subscription	**
vm2942	Network interface	Demo-RG	Central India	Manohar Subscription	**
VM2_disk1_39e937ae319640188700a94bdf5abc11	Disk	DEMO-RG	Central India	Manohar Subscription	**