

Create a virtual machine

The screenshot shows the Microsoft Azure portal interface for managing virtual machines. The top navigation bar includes 'Microsoft Azure', a search bar, and user information. Below it, the 'Virtual machines' section is displayed under the 'cloudhubasic (cloudhub.biz)' resource group. The page displays a message: 'No virtual machines to display'. It provides instructions to 'Create a virtual machine that runs Linux or Windows. Select an image from the marketplace or use your own customized image.' A prominent blue 'Create' button is visible. The bottom of the page includes filtering options and a 'List view' link.

The screenshot shows the 'Create a virtual machine' wizard in the 'Basics' step. The top navigation bar includes 'Microsoft Azure', a search bar, and user information. The page title is 'Create a virtual machine'. There are three help buttons: '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 'Basics' tab is selected. The main content area is titled 'Project details' and asks to select a subscription and resource group. The 'Subscription' dropdown is set to 'Manohar Subscription' and the 'Resource group' dropdown is set to 'Demo-RG'. Below this, 'Instance details' are configured: 'Virtual machine name' is 'windows-vm', 'Region' is '(Asia Pacific) Central India', 'Availability options' is 'No infrastructure redundancy required', 'Security type' is 'Trusted launch virtual machines', and 'Image' is 'Windows Server 2022 Datacenter - x64 Gen2'. At the bottom, there are navigation buttons: '< Previous', 'Next : Disks >', and a large blue 'Review + create' button.

Home > Virtual machines >

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

 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 Hibernate 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](#)

Microsoft Azure

Search resources, services, and docs (G+)

Home > [Virtual machines](#) >

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

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

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](#)

Would you like to use an existing Windows Server license?

[Review Azure hybrid benefit compliance](#)

< Previous Next : Disks > **Review + create**

Microsoft Azure

Home > Virtual machines >

Create a virtual machine

Search resources, services, and docs (G+)

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

Basics Disks Networking Management Monitoring Advanced Tags Review + create

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

< Previous

Next >

Create

Microsoft Azure

Search resources, services, and docs (G+)

Deployment

CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250129130131 | Overview

Deployment succeeded

Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250129130131' to resource group 'Demo-RG' was successful.

Go to resource Pin to dashboard

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 1/29/2025, 10:23 PM

Subscription: Manohar Subscription Correlation ID: 5105537f-9d0f-4be4-8636-2fce08c3e1c0

Deployment details

Next steps

Setup auto-shutdown Recommended

Monitor VM health, performance and network dependencies Recommended

Run a script inside the virtual machine Recommended

Go to resource Create another VM

Give feedback

Tell us about your experience with deployment

Cost Management

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Install IIS Web server on the VM

Microsoft Azure

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250129130131 | Overview > windows-vm

windows-vm | Run command

Virtual machine

Run Command Script

Script execution in progress...

PowerShell Script

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

Run

Output

This screenshot shows the Microsoft Azure portal interface for a virtual machine named 'windows-vm'. The left sidebar contains navigation links like Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Run command, Updates, Health monitoring, Configuration management, Policies, Inventory, Change tracking, Monitoring, Insights, Alerts, and Metrics. The 'Run command' link is currently selected. On the right, a 'Run Command Script' window is open. It displays a PowerShell script: 'Install-WindowsFeature -Name Web-Server -IncludeManagementTools'. Below the script, there is a 'Run' button and a large blacked-out 'Output' area where the results of the command execution would be displayed.

Microsoft Azure

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250129130131 | Overview > windows-vm

windows-vm | Run command

Virtual machine

Run Command Script

Script execution complete

PowerShell Script

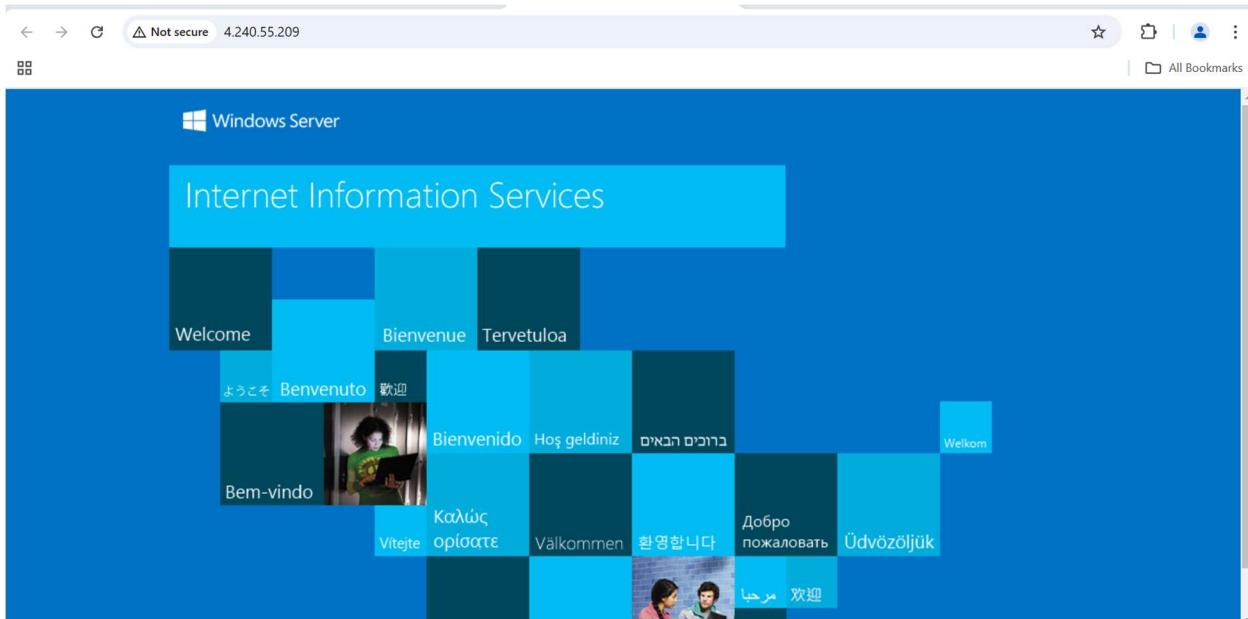
```
1 Install-WindowsFeature -Name Web-Server -IncludeManagementTools
```

Run

Output

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

This screenshot shows the Microsoft Azure portal interface for a virtual machine named 'windows-vm'. The left sidebar contains the same navigation links as the previous screenshot. The 'Run command' link is selected. A 'Run Command Script' window is open, showing the same PowerShell script: 'Install-WindowsFeature -Name Web-Server -IncludeManagementTools'. The status message 'Script execution complete' is displayed above the PowerShell script. Below the script is a 'Run' button and a 'Output' section containing a table of results. The table has columns for Success, Restart Needed, Exit Code, and Feature Result. It shows one row where 'Success' is True, 'Restart Needed' is No, 'Exit Code' is Success, and 'Feature Result' is '(Common HTTP Features, Default Document, D...'. The output area below the table is also blacked out.



Create & attach a data disk to the VM

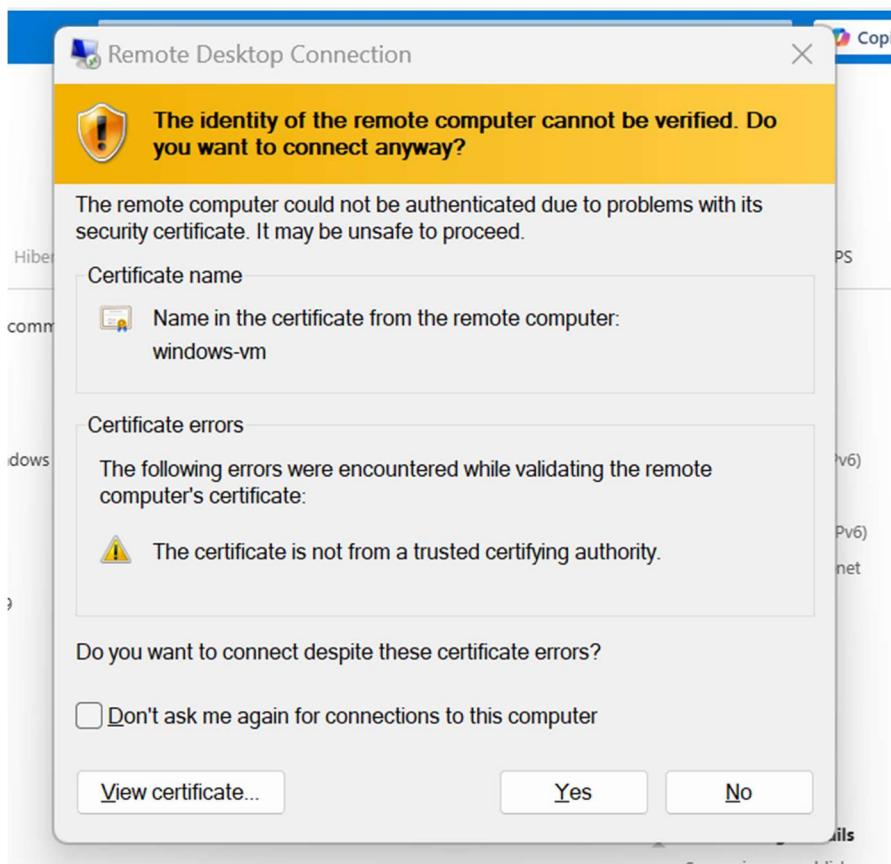
LUN	Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput	Encryption	Host caching
	windows-vm_OsDisk_1_214521a7a6a541298a532f6ea7fe4036	Premium SSD LRS	127	500	100	SSE with PMK	Read/Write

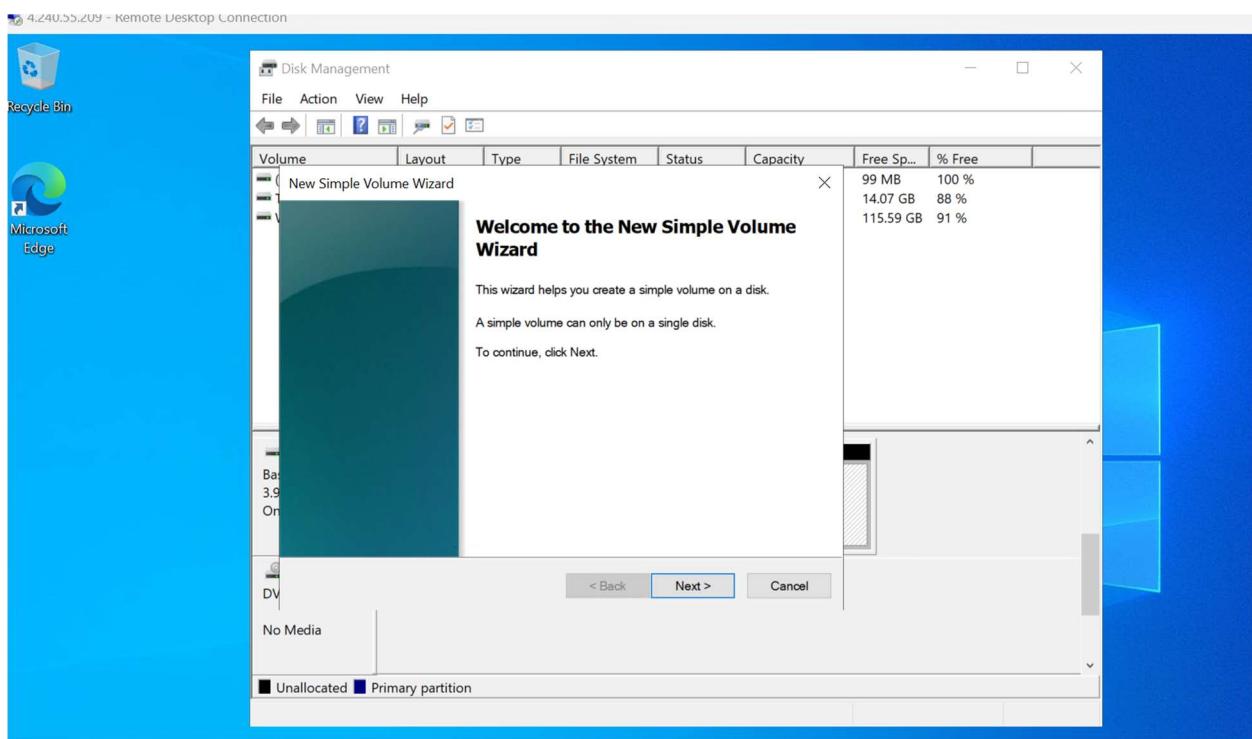
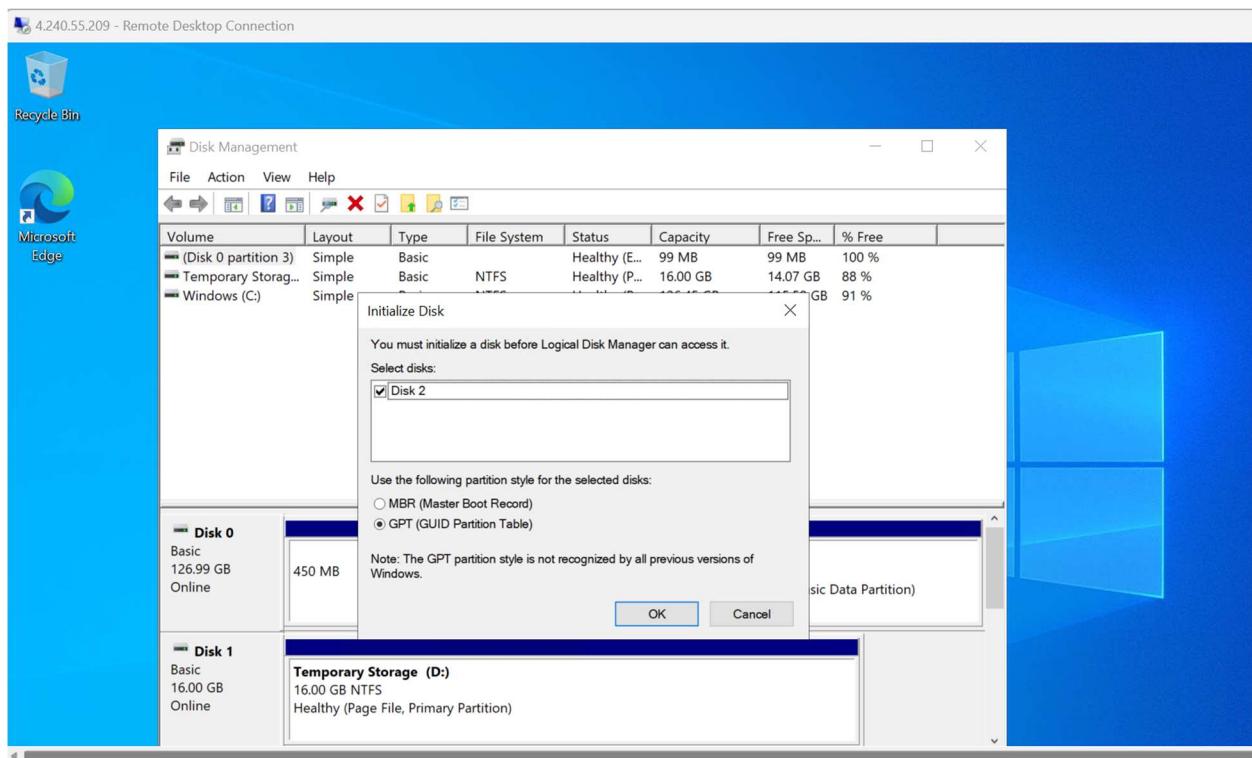
The screenshot shows the 'Disks' section of the Azure portal for a virtual machine named 'windows-vm'. The 'OS disk' table lists one entry: 'windows-vm_OsDisk_1_214521a7ada541298a532f6ea7e403d' (Premium SSD LRS, 127 GB, Max IOPS 500, Max throughput 100, SSE with PMK, Host caching Read/write). The 'Data disks' table lists one entry: 'datadisk01' (Standard SSD (locally redundant), 4 GB, Max IOPS 500, Max throughput 100, Platform-managed key, Host caching None).

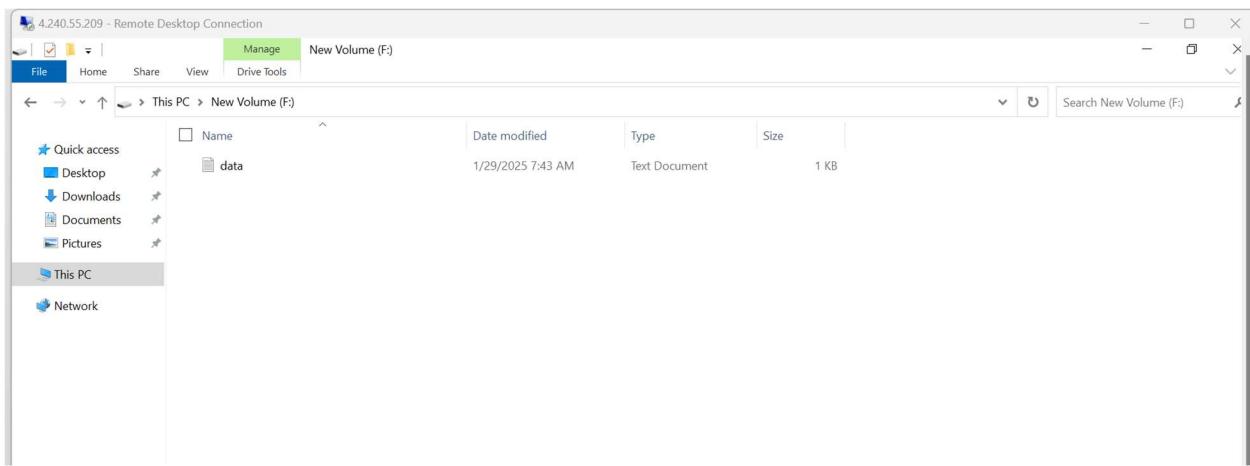
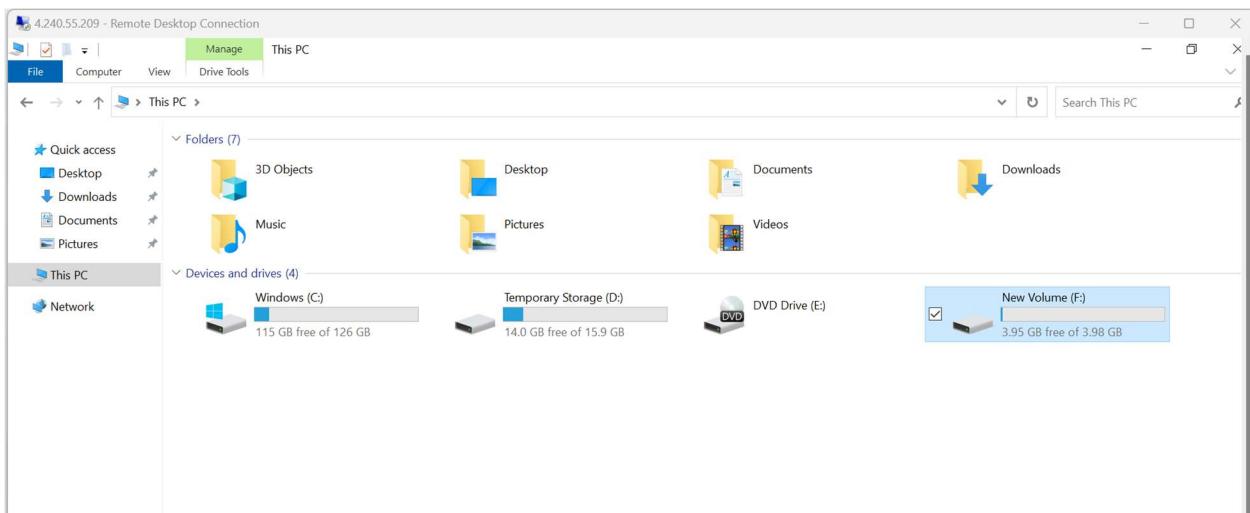
The screenshot shows the 'Disks' section of the Azure portal for the same virtual machine 'windows-vm'. The 'OS disk' table remains the same. The 'Data disks' table now shows 'datadisk01' (Standard SSD LRS, 4 GB, Max IOPS 500, Max throughput 100, SSE with PMK, Host caching Read/write). To the right, a 'Notifications' sidebar displays several successful events: 'Updated virtual machine' (a few seconds ago), 'Successfully created disk' (a few seconds ago), 'Deployment succeeded' (a few seconds ago), 'Executed delete command on 5 selected items' (10 minutes ago), and 'Unregistering storage account with vault(StorageContainer:StorageDemo-RG:datastore10010)' (Successfully completed the operation).

Login to the VM and initialize the disk and create a new volume and store few files in the data disk

The screenshot shows the 'Run' dialog box in the Azure portal for the virtual machine 'windows-vm'. The 'Open:' field contains the command 'mstsc /v:4.240.55.209'. The main pane displays the VM's configuration details, including its resource group (Demo-RG), status (Running), location (Central India), and various network and storage settings.







Create a new virtual network in different resource group and region.



Home > Virtual networks >

Create virtual network

Basics Security IP addresses Tags Review + create

Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure. VNet enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. VNet is similar to a traditional network that you'd operate in your own data center, but brings with it additional benefits of Azure's infrastructure such as scale, availability, and isolation.

[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 *	(New) test-grp
	Create new

Instance details

Virtual network name *	test-network
Region * ⓘ	(Asia Pacific) South India
Deploy to an Azure Extended Zone	

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[Next](#)

[Review + create](#)

The screenshot shows the 'Edit subnet' configuration page. At the top, there is a header with the Microsoft Azure logo, a search bar, and a user profile icon. Below the header, the page title is 'Create virtual network'. The 'IP addresses' tab is selected. The main content area is titled 'Edit subnet' and contains the following sections:

- Address space:** A note says 'Select an address space and configure your subnet. You can customize a default subnet or select from subnet templates if you plan to add select services later.' A 'Learn more' link is provided.
- Subnet purpose:** Set to 'Default'.
- Name:** 'test-subnet'.
- IPv4:** An IPv4 address space is included. The range is '10.10.0.0/16' with '10.10.0 - 10.10.255.255' as the starting address and '/24 (256 addresses)' as the size. The subnet address range is '10.10.0.0 - 10.10.0.255'.
- IPv6:** An IPv6 address space is not included.
- Private subnet:** A note says 'Private subnets enhance security by not providing default outbound access. To enable outbound connectivity for virtual machines to access the internet, it is necessary to explicitly grant outbound access. A NAT gateway is the recommended way to provide outbound connectivity for virtual machines in the subnet.' A 'Learn more' link is provided.
- Enable private subnet (no default outbound access):** A checkbox is present but not checked.
- Security:** A section for configuring security settings.

At the bottom of the page, there are 'Save' and 'Cancel' buttons, and a 'Give feedback' link.

[Home](#) > [Virtual networks](#) >

Create virtual network ...

[Basics](#) [Security](#) [IP addresses](#) [Tags](#) [Review + create](#)[View automation template](#)

Basics

Subscription	Manohar Subscription
Resource Group	test-grp
Name	test-network
Region	South India

Security

Azure Bastion	Disabled
Azure Firewall	Disabled
Azure DDoS Network Protection	Disabled

IP addresses

Address space	10.10.0.0/16 (65,536 addresses)
Subnet	test-subnet (10.10.0.0/24) (256 addresses)

Tags

[Previous](#)[Next](#)[Create](#)

Microsoft Azure

Home > test-network-1738137352572 | Overview

Your deployment is complete

Deployment name : test-network-1738137352572
Subscription : Manohar Subscription
Resource group : test-grp

Start time : 1/29/2025, 1:25:55 PM
Correlation ID : 6765e041-1260-446c-a59d-3cf4f0146eb0

Deployment details

Next steps

Go to resource

Give feedback

Tell us about your experience with deployment

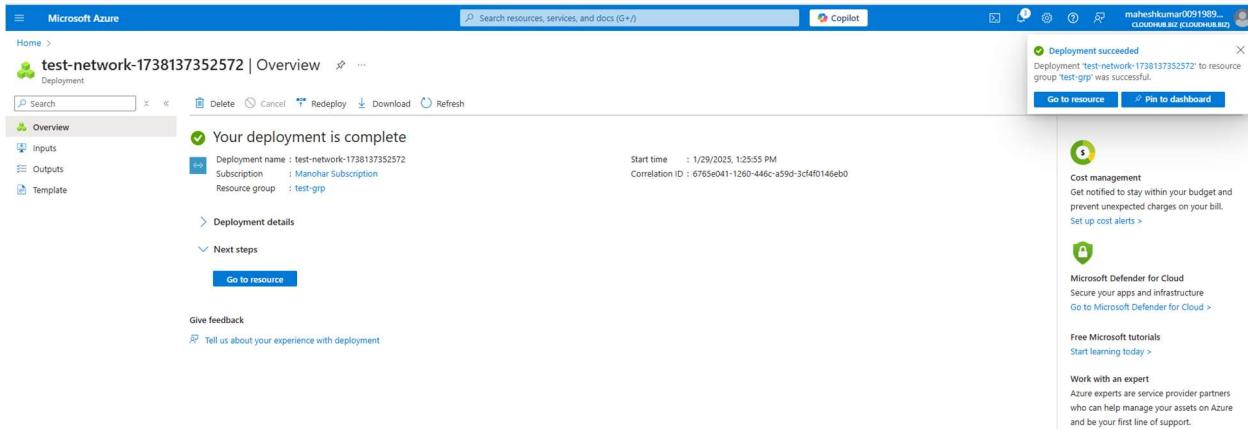
Deployment succeeded
Deployment 'test-network-1738137352572' to resource group 'test-grp' was successful.

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Work with an expert
Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.



Using azure site recovery we will replicate the VM onto a different region.

Microsoft Azure

Home > Virtual machines > windows-vm

Virtual machines

Windows-vm | Disaster recovery

Welcome to Azure Site Recovery

You can replicate your virtual machines to another Azure region for business continuity and disaster recovery needs. Learn more about Azure Site Recovery.

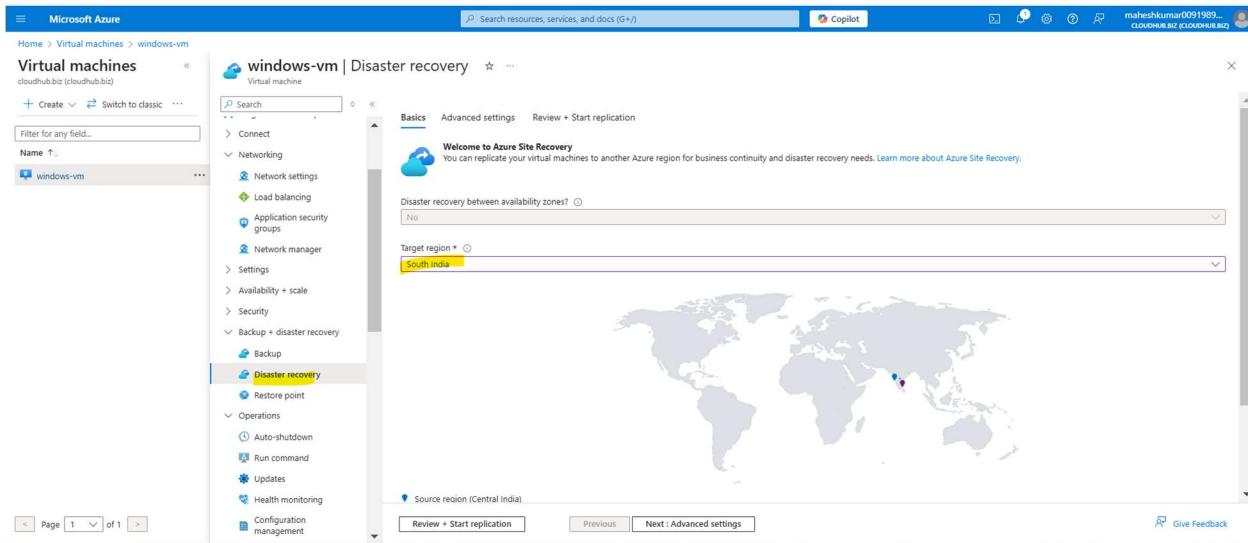
Basics Advanced settings Review + Start replication

Disaster recovery between availability zones? No

Target region * South India

Source region (Central India)

Review + Start replication Previous Next : Advanced settings Give Feedback



windows-vm | Disaster recovery

Virtual machine

Search

Overview

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Access control (IAM)

Tags

Diagnose and solve problems

Connect

Networking

- Network settings
- Load balancing
- Application security groups

Network manager

Settings

Availability + scale

Security

Backup + disaster recovery

Backup

Disaster recovery

Restore point

Operations

Target settings

General settings

Source

Subscription: Manohar Subscription

Target

Subscription: Manohar Subscription

VM resource group: Demo-RG

Virtual network: windows-vm-vnet

Single instance

Availability set: Availability zone

Virtual machine scale set (Flexible)

Not Applicable

Proximity placement group: Not Applicable

Select

Capacity Reservation Settings

Reserve a capacity at the destination location - for this Virtual machine size - Standard_B2ms

Why to reserve capacity at the destination location?

Capacity Reservation Groups: Select

Storage settings

Hide details

Selecting High Churn uses Premium Block Blob and may have high network egress which may have some cost implications. Please review Cost Implications [Here](#).

Review + Start replication

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Next : Review + Start replication

Give Feedback

windows-vm | Disaster recovery

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Storage settings

Hide details

Selecting High Churn uses Premium Block Blob and may have high network egress which may have some cost implications. Please review Cost Implications [Here](#).

Churn for the VM

Normal Churn

Cache storage account

(new) rj20mhsiterecovascache [Standard_LRS]

Source managed disk

Replica managed disk

Replica managed disk type

Disk to replicate

[Standard SSD] datadisk01

(new) datadisk01sra

Standard SSD

include

[Premium SSD] windows-vm_OsDisk_1

(new) windows-vm_OsDisk_1_2...

Premium SSD

include

Replication settings

Hide details

Vault subscription

Manohar Subscription

Recovery services vault

(new) Site-recovery-vault-southindia

Vault resource group

(new) Site-recovery-vault-RG

Replication policy

(new) 24-hour-retention-policy

Extension settings

Show details

Site Recovery manages site recovery extension updates for all your replicated items. 1 new automation account will be created.

Review + Start replication

Previous

Next : Review + Start replication

Give Feedback

windows-vm | Disaster recovery

Virtual machine

Search resources, services, and docs (G+)

Copilot

Basics Advanced settings Review + Start replication

Target settings

Settings

- Subscription
- VM resource group
- Virtual network
- Availability
- Proximity placement group

Source

- Manohar Subscription
- Demo-RG
- windows-vm-vnet
- Single instance
- Not Applicable

Target

- Manohar Subscription
- test-grp
- test-network
- Single instance
- Select

Storage settings

If you are choosing General Purpose v2 storage accounts, ensure that operations and data transfer prices are understood clearly before you proceed. [Learn more](#)

Cache storage account

(new) rj20mhsiterecovarscache [Standard_LRS]

Source managed disk

- [Standard SSD] datadisk01
- [Premium SSD] windows-vm_OsDisk_1_214521a7a6a541298a532f6eaf7e4036sr

Replica managed disk

- (new) datadisk01sr
- (new) windows-vm_OsDisk_1_214521a7a6a541298a532f6eaf7e4036asr

Replica managed disk type

- Standard SSD
- Premium SSD

Replication settings

- Vault subscription
- Recovery services vault
- Vault resource group
- Replication policy

Manohar Subscription

- (new) Site-recovery-vault-southindia
- (new) Site-recovery-vault-RG
- (new) 24-hour-retention-policy

Start replication

Previous Next

Give Feedback

maheshkumar0091989...
CLOUDHUB.BIZ (CLOUDHUB.BIZ)

Notifications

More events in the activity log → Dismiss all

Enabling replication for 1 vm(s) Running

The operation is in progress.

a few seconds ago

maheshkumar0091989...
CLOUDHUB.BIZ (CLOUDHUB.BIZ)

Notifications

More events in the activity log → Dismiss all

✓ Enabling replication for 1 vm(s)

Successfully completed the operation.

a few seconds ago

Health and status

- Replication Health: Synchronized (Healthy)
- Status: No errors
- RPO: 0 secs [As on 1/29/2025, 2:09:25 PM]

Failover readiness

- Last successful Test Failover: Never performed successfully
- Configuration issues: No issues
- Agent version: 9.63.7235.1
- Agent status: Healthy

Latest recovery points

Click above to see the latest recovery points.

After waiting for 30-40 mins now the status is showing protected

Health and status

- Replication Health: Protected (Healthy)
- Status: No errors
- RPO: 33 secs [As on 1/29/2025, 2:09:25 PM]

Failover readiness

- Last successful Test Failover: Never performed successfully
- Configuration issues: No issues
- Agent version: 9.63.7235.1
- Agent status: Healthy

Update the soft delete setting for the vault

Name	Type	Resource group	Location	Subscription
datadisk01	Disk	DEMO-RG	Central India	Manohar Subscription
datadisk01-ASRReplica	Disk	test-grp	South India	Manohar Subscription
ms-asr-f1c4cfb1-ef4-57ad-8cf7-d6c5702d6a3d	Disk	DEMO-RG	Central India	Manohar Subscription
ms-asr-f3dd4dac-4161-57de-ba60-d76e6fe433f9	Disk	DEMO-RG	Central India	Manohar Subscription
NetworkWatcher_centralindia	Network Watcher	NetworkWatcherRG	Central India	Manohar Subscription
NetworkWatcher_southindia	Network Watcher	NetworkWatcherRG	South India	Manohar Subscription
rj0mhsterecovascadc	Storage account	site-recovery-vault-rg	Central India	Manohar Subscription
site-reco-hai-asr-automationaccount	Automation Account	site-recovery-vault-rg	South India	Manohar Subscription
site-recovery-vault-southindia	Recovery Services vault	Site-recovery-vault-RG	South India	Manohar Subscription
test-network	Virtual network	test-grp	South India	Manohar Subscription
windows-vm	Virtual machine	Demo-RG	Central India	Manohar Subscription
windows-vm-ip	Public IP address	Demo-RG	Central India	Manohar Subscription
windows-vm-nsg	Network security group	Demo-RG	Central India	Manohar Subscription
windows-vm-vnet	Virtual network	Demo-RG	Central India	Manohar Subscription

Microsoft Azure

Home > All resources > Site-recovery-vault-southindia

All resources

cloudhub.biz

+ Create ⚙ Manage view ⚙ ...

Filter for any field... Name ↑

- datadisk01
- datadisk01-ASRReplica
- ms-asr-f1c4cfb1-ef4f-57a6-8cf7-d...
- ms-asr-f3dd4ac-4161-570e-ba60...
- NetworkWatcher_centralindia
- NetworkWatcher_southindia
- rj0mhsiterecovcache
- site-reco-hai-asr-automationacco...
- Site-recovery-vault-southindia
- test-network
- windows-vm
- windows-vm-ip
- windows-vm-msg
- windows-vm-vnet
- windows-vm870
- windows-vm_OrDirk_1_214521a7b...

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Site-recovery-vault-southindia | Properties

Recovery Services vault

Search

Multi-User Authorization for Backup is now generally available. Click here to configure. →

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

- Identity
- Networking

Properties

Locks

Getting started

Backup

Site Recovery

Protected items

Backup items

Replicated items

Manage

- Backup policies
- Backup infrastructure
- Site Recovery infrastructure

Monitoring Settings

Update

Recovery Services Agent

Download

Backup Credentials

Download

Security Settings

Security Level

Poor

Immutable vault

Not enabled

Settings

Multi-User Authorization

Update

Soft Delete and security settings

Update

Encryption Settings

Update

Security PIN

Generate

Copilot

Site-recovery-vault-southindia

Soft delete can help you recover your data after it has been deleted. [Learn more.](#)

Enable soft delete for cloud workloads

Enable soft delete and security settings for hybrid workloads
i Checking this box enables soft delete, MFA and alert notifications for workloads running on premises. Refer to this [link](#) for minimum version requirements.

Soft delete retention period (for cloud and hybrid workloads) days
i This is the number of days for which deleted data is retained before being permanently deleted. Retention period till 14 days is free of cost, however, retention beyond 14 days may incur additional charges. [Learn more.](#)

Enable Always-on soft delete
Always on soft delete can be enabled only if soft delete is enabled for both cloud and hybrid workloads

Update **Cancel** **Feedback**

Stop the VM

Microsoft Azure

Home > Virtual machines >

Virtual machines

cloudhub.biz

+ Create Switch to classic

Filter for any field...

Name ↑

windows-vm

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Stop this virtual machine

Do you want to stop 'windows-vm'?

Deallocation operations usually complete within 1-2 minutes but may take up to 90 minutes in some cases. You can leave the page and track the progress via notifications.

Yes No

Subscription (move) : Manohar Subscription

Subscription ID : 32ae345-c46e-4708-be87-491dbf8d1da9

Virtual network/subnet : windows-vm-vnet/default

DNS name : not configured

Health state : -

Time created : 1/29/2025, 7:32 AM UTC

Tags (edit) : Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name : windows-vm

Operating system : Windows (Windows Server 2022 Datacenter)

VM generation : V2

VM architecture : x64

Agent status : Ready

Agent version : 2.7.41491.1139

Hibernation : Disabled

Host group : -

Networking

Public IP address : 4.240.55.209 (Network interface windows-vm870)

Private IP address (IPv6) : -

Private IP address (IPv4) : 10.0.0.4

Virtual network/subnet : windows-vm-vnet/default

DNS name : Configure

Size

Standard B2ms

JSON View

Microsoft Azure

Home > Virtual machines >

Virtual machines

cloudhub.biz

+ Create Switch to classic

Filter for any field...

Name ↑

windows-vm

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Help me copy this VM in any region

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

Essentials

Resource group (move) : Demo-BG

Status : Stopped (deallocated)

Location : Central India

Subscription (move) : Manohar Subscription

Subscription ID : 32ae345-c46e-4708-be87-491dbf8d1da9

Tags (edit) : Add tags

Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name : windows-vm

Operating system : Windows

Size : Standard B2ms (2 vcpus, 8 GiB memory)

Public IP address : 4.240.55.209

Virtual network/subnet : windows-vm-vnet/default

DNS name : not configured

Health state : -

Time created : 1/29/2025, 7:32 AM UTC

Networking

Public IP address : 4.240.55.209 (Network interface windows-vm870)

Private IP address (IPv6) : -

Private IP address (IPv4) : 10.0.0.4

Virtual network/subnet : windows-vm-vnet/default

DNS name : Configure

Size

Standard B2ms

JSON View

Test Failover

Microsoft Azure

Home > Virtual machines > windows-vm

Replicated items

Search

F failover Test failover Cleanup test failover Commit Resynchronize Change recovery point Re-protect Disable Replication Error Details Refresh Feedback

Overview General Properties Compute Network Disks

Health and status

Replication Health: Healthy
Status: Protected
RPO: 3 mins [As on 1/29/2025, 2:12:06 PM]

Failover readiness

Last successful Test Failover: Never performed successfully
Configuration issues: No issues
Agent version: 9.63.7235.1
Agent status: Healthy

Latest recovery points: Click above to see the latest recovery points.

Errors(0) Open in new page Events - Last 72 hours(0) Open in new page

Infrastructure view Table view

Microsoft Azure

Home > Virtual machines > windows-vm > Test failover

windows-vm

Pre-validation successful

Test failover direction

Source: Central India

Destination: South India

Test failover settings

Recovery point: Latest (lowest RPO)

Azure virtual network: test-network (mapped)

⚠ It is recommended that the networks selected for test failover and failover operations are different.
[Learn more about DR Drills](#)

Test failover Cancel

Microsoft Azure

Home > Virtual machines > windows-vm

Overview

General Properties Compute Network Disks

The operation is triggered successfully. Refresh the blade to check the updated information.

Health and status

Replication Health	Status	RPO
Healthy	Protected	3 mins [As on 1/29/2025, 2:12:06 PM]

Failover readiness

Last successful Test Failover	Configuration issues	Agent version	Agent status
Never performed successfully	No issues	9.63.7235.1	Healthy

Errors(0) Events - Last 72 hours(0)

Latest recovery points

Click above to see the latest recovery points.

JSON View

Microsoft Azure

Home > Recovery Services vaults > Site-recovery-vault-southindia

Recovery Services ...

+ Create ...

Filter for any field... Name: Site-recovery-vault-southindia

Site-recovery-vault-southindia | Replicated items

Recovery Services vault

Search

Refresh + Replicate Columns Filter Feedback

Try our new Business Continuity Center for the at scale BCDR management of your resources protected across Azure Backup and Site Recovery. →

Last refreshed at: 1/29/2025, 2:20:12 PM

Finished loading data from service.

Replicated items

Name	Replication Health	Status	Active location	Failover Health
windows-vm	Healthy	Initiating test failover	Central India	-

Showing 1 - 1 of 1 results.

Page 1 of 1

Microsoft Azure | portal.azure.com/#@cloudhub.biz/resource/subscriptions/32aeb345-c46e-4708-be87-491dbf8d1da9/resourceGroups/Site-recovery-vault-southindia

Recovery Services ... < Site-recovery-vault-southindia | Site Recovery jobs

CloudHub.Biz (cloudhub.biz)

+ Create ...

Filter for any field... Name ↑ Site-recovery-vault-southindia

Site Recovery vault

Search Export jobs

Try our new Business Continuity Center for the at scale BCDR management of your resources protected across Azure Backup and Site Recovery. →

Filter items...

Name	Status	Type	Item	Start time	Duration
Test failover	In progress	Protected item	windows-vm	1/29/2025, 2:19:30 PM	00:00:08
Finalize protection on the recover...	Completed with information	Protected item	windows-vm	1/29/2025, 2:05:31 PM	00:00:08
Finalize protection on the primary ...	Successful	Protected item	windows-vm	1/29/2025, 2:02:17 PM	00:00:01
Protection configuration	Successful	Cloud	asr-a2a-default-centralindia-conta...	1/29/2025, 1:43:10 PM	00:00:04
Protection configuration	Successful	Cloud	asr-a2a-default-southindia-conta...	1/29/2025, 1:43:08 PM	00:00:03
Enable replication	Successful	Protected item	windows-vm	1/29/2025, 1:42:30 PM	00:00:02
Associate replication policy	Successful	Replication policy	24-hour-retention-policy	1/29/2025, 1:40:53 PM	00:01:34
Associate replication policy	Successful	Replication policy	24-hour-retention-policy	1/29/2025, 1:37:23 PM	00:03:27
Map Networks	Successful	Network	test-network	1/29/2025, 1:37:20 PM	00:01:56
Create protection container	Successful	Cloud	asr-a2a-default-southindia-conta...	1/29/2025, 1:36:49 PM	00:00:00
Map Networks	Successful	Network	windows-vm-vnet	1/29/2025, 1:36:49 PM	00:00:03
Create a site	Successful	Server	asr-a2a-default-southindia	1/29/2025, 1:35:13 PM	00:01:23
Create protection container	Successful	Cloud	asr-a2a-default-centralindia-conta...	1/29/2025, 1:35:13 PM	00:00:00
Create replication policy	Successful	Replication policy	24-hour-retention-policy	1/29/2025, 1:33:48 PM	00:00:00
Create a site	Successful	Server	asr-a2a-default-centralindia	1/29/2025, 1:33:38 PM	00:01:23

Page 1 of 1

Microsoft Azure | portal.azure.com/#@cloudhub.biz/resource/subscriptions/32aeb345-c46e-4708-be87-491dbf8d1da9/resourceGroups/Site-recovery-vault-southindia

Recovery Services ... < Site-recovery-vault-southindia | Site Recovery jobs

Test failover

Site Recovery Job

Export job Cancel Environment Details Feedback

Properties

Vault site-recovery-vault-southindia

Protected item windows-vm

Job id 1fd1a9c6-0b82-4675-bf39-5a632f686003 ActivityId: 31ced27c-9d5c-4254-b988-292370c9d8be

Job

Name	Status	Start time	Duration
Perequisites check for test failover	Successful	1/29/2025, 2:19:35 PM	00:00:00
Create test virtual machine	In progress	1/29/2025, 2:19:36 PM	00:00:00
Preparing the virtual machine			
Start the virtual machine			

Microsoft Azure | portal.azure.com/#@cloudhub.biz/resource/subscriptions/32aeb345-c46e-4708-be87-491dbf8d1da9/resourceGroups/Site-recovery-vault-southindia

Recovery Services ... < Site-recovery-vault-southindia | Site Recovery jobs

Test failover

Site Recovery Job

Export job Environment Details Feedback

Properties

Vault site-recovery-vault-southindia

Protected item windows-vm

Job id 1fd1a9c6-0b82-4675-bf39-5a632f686003 ActivityId: 31ced27c-9d5c-4254-b988-292370c9d8be

Job

Name	Status	Start time	Duration
Perequisites check for test failover	Successful	1/29/2025, 2:19:35 PM	00:00:00
Create test virtual machine	Successful	1/29/2025, 2:19:36 PM	00:01:36
Preparing the virtual machine	Successful	1/29/2025, 2:21:13 PM	00:00:37
Start the virtual machine	Successful	1/29/2025, 2:21:50 PM	00:00:01

Microsoft Azure

Virtual machines

Showing 1 to 2 of 2 records.

Name	Subscription	Resource group	Location	Status	Operating system	Size	Public IP address	Disk
windows-vm	Manohar Subscription	Demo-RG	Central India	Stopped (deallocated)	Windows	Standard_B2ms	4.240.55.209	2
windows-vm-test	Manohar Subscription	test-grp	South India	Running	Windows	Standard_B2ms	-	2

Go to the Disk section

Virtual machines

windows-vm-test | Disks

OS disk

Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput	Encryption	Host caching
windows-vm_OsDisk_1_214521a7a6541298	Premium SSD LRS	128	500	100	SSE with PMK	Read/write

Data disks

LUN	Disk name	Storage type	Size (GiB)	Max IOPS	Max throughput	Encryption	Host caching
0	datadisk01-ASRtest	Standard SSD LRS	4	500	100	SSE with PMK	None

Go to the networking section

Virtual machines

windows-vm-test | Network settings

Network interface / IP configuration

Network interface	Virtual network / subnet	Public IP address	Private IP address	Admin security rules	Load balancers	Application security groups	Network security group	Accelerated networking	Effective security rules
windows-vm870-test (primary) / ipconfig1 (primary)	test-network / test-subnet	-	10.10.0.4	0 (Configure)	0 (Configure)	0 (Configure)	-	Disabled	0

No port rules to display

Network security group is an essential component of Azure's network security architecture, providing inbound and outbound traffic filtering for network resources. Customers can connect to their virtual machines securely by adding port rules to the network security group.

Configure the public ip

Microsoft Azure

Home > Virtual machines > windows-vm-test | Network settings > windows-vm870-test

windows-vm870-test | IP configurations

Network interface

Search Refresh

IP Settings

Enable IP forwarding

Virtual network test-network

Subnet *

Private and public IP addresses can be assigned to a virtual machine's network interface controller. You can add as many private and public IPv4 addresses as necessary to a network interface, within the limits listed in the Azure limits article. [Learn more](#)

+ Add Make primary Delete

Name	IP Version	Type	Private IP Address	Public IP Address
ipconfig1	IPv4	Primary	10.10.0.4 (Dynamic)	-

Give feedback



Edit IP configuration

windows-vm870-test

i A primary IP configuration already exists. Any additional IP configurations will be secondary. The virtual network this network interface is attached to only supports IPv4. [Learn more](#)

Name *

ipconfig1

Add a public IP address

Name *

pip-test-network-southindia-test-subnet

SKU

Basic

Standard

i On 30 September 2025, Azure Basic Public IP will be retired. [Learn more](#)

Assignment

Dynamic

Static

OK

Cancel

PUBLIC IP address ^

(VIEW) pip-test-network-southindia-test-subnet...

[Create a public IP address](#)

Save

Cancel

i Give feedback

Edit IP configuration ... Updating network interface
windows-vm870-test

A primary IP configuration already exists in the virtual network this network interface is connected to.

Name * ipconfig1

IP version IPv4

Type Primary

Private IP address settings

Allocation Dynamic

Public IP address settings

Associate public IP address

Public IP address * (New) pip-test-network-southindia-test-su...

Public ip is now attached to the VM

Microsoft Azure Search resources, services, and docs (G+) Copilot maheshkumar0091989... cloudhub.biz

Home > Virtual machines >

Virtual machines cloudhub.biz

+ Create Switch to classic ...

Filter for any field... Name ↑ windows-vm windows-vm-test

Overview Help me copy this VM in any region

Activity log Access control (IAM) Tags Diagnose and solve problems Connect Networking Network settings Load balancing Application security groups Network manager Settings Disks Extensions + applications Operating system Configuration Advisor recommendations Properties

Essentials

Resource group: [\(move\)](#) : test-grp Status: Running Location: South India Subscription: [\(move\)](#) : Manohar Subscription Subscription ID: 32ae345-c46e-4708-be87-491dbf8d1da9

Operating system: Windows (Windows Server 2022 Datacenter) Size: Standard B2ms (2 vcpus, 8 GiB memory) Public IP address: 20.235.153.63 Virtual network/subnet: test-network/test-subnet DNS name: Not configured Health state: - Time created: 1/29/2025, 8:51 AM UTC

Tags: [\(edit\)](#) : [add tags](#)

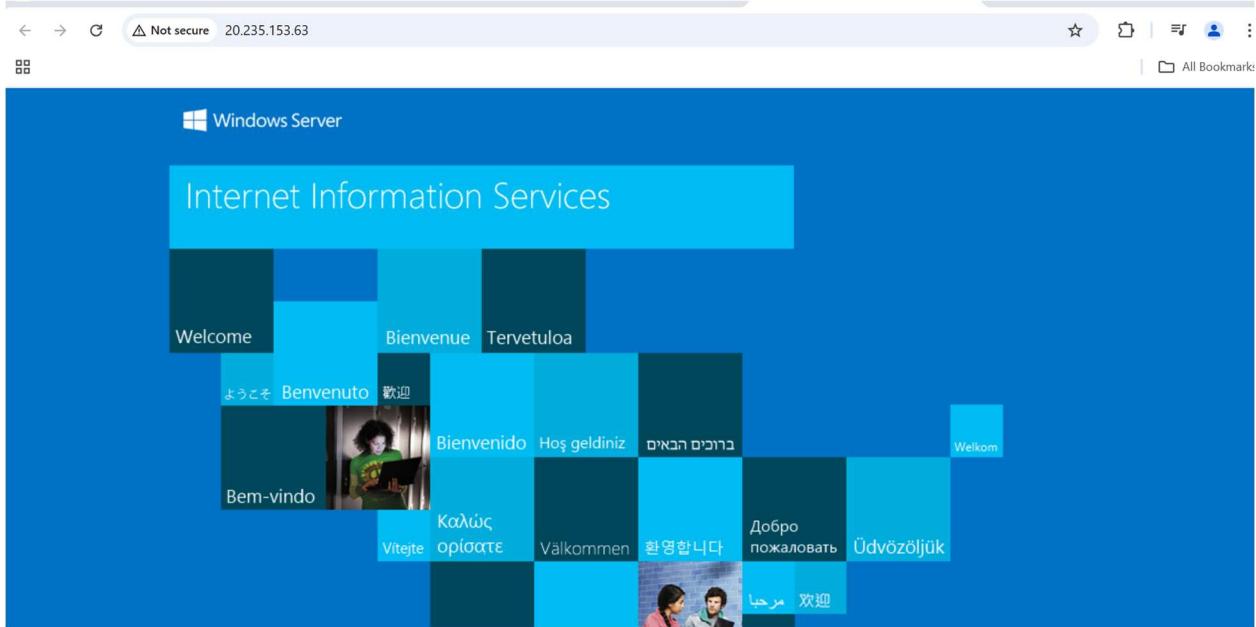
Properties Monitoring Capabilities (8) Recommendations Tutorials

Virtual machine

Computer name	windows-vm	Networking	
Operating system	Windows (Windows Server 2022 Datacenter)	Public IP address	20.235.153.63 (Network interface windows-vm870-test)
VM generation	V2	Private IP address	-
VM architecture	x64	Private IP address (IPv6)	-
Agent status	Ready	Virtual network/subnet	test-network/test-subnet
Hibernation	Disabled	DNS name	Configure
Host group	-		

Size

Copy the public ip and paste it on the browser and we are able to see the default page of IIS web server



Login to the VM

A screenshot of the Microsoft Azure portal. On the left, the 'Virtual machines' blade is open, showing a list of VMs including 'windows-vm' and 'windows-vm-test'. The 'windows-vm-test' item is selected. In the center, a 'Windows Security' dialog box is displayed, prompting for an 'Email address' (set to 'manohar') and a 'Password'. Below this, there are 'More choices' options: 'Manohar .. manohar@kyndryl.com', 'Use a different account', and 'Fingerprint manohar@kyndryl.com'. At the bottom of the dialog are 'OK' and 'Cancel' buttons. To the right of the dialog, the VM's properties are shown in a JSON-like format. The properties include: operating system (Windows Server 2022 Datacenter), IP address (20.235.153.63), network/subnet (test-network/test-subnet), name (not configured), state (-), created (1/29/2025, 8:51 AM UTC), networking (public IP address 20.235.153.63, private IP address 10.10.0.4, private IP address (IPv6) -, virtual network/subnet test-network/test-subnet, NS name Configure), and storage (Standard R7msc). The top right corner of the portal shows the user's name 'maheshkumar-0091989' and profile picture.

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:
windows-vm

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**

Operating system Windows (Windows Server 2022 Datacenter)

Networking

Public IP address
Public IP address
Public IP address

Server Manager • Dashboard

Dashboard **Local Server** **All Servers** **Server Manager**

WELCOME TO SERVER MANAGER

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Instead of Server Manager, you can use Azure Arc and the new Windows Admin Center built into the Azure portal to manage individual servers and clusters—on-premises and in Azure.

With Azure Arc you can secure and govern Windows Server at scale—on-premises and across clouds.

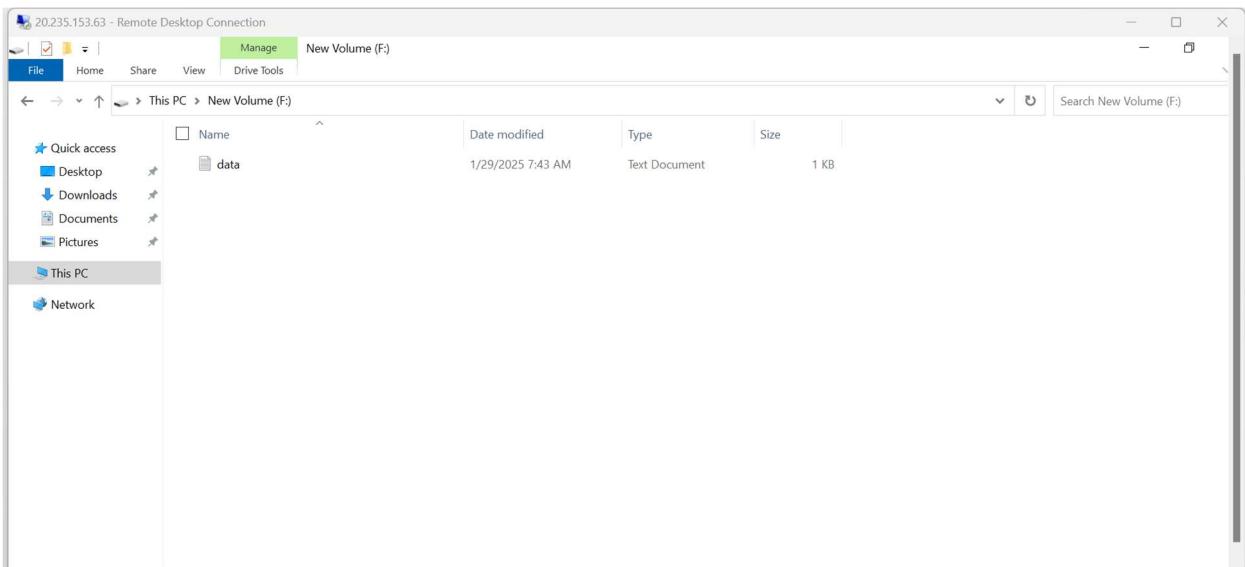
Get more info at aka.ms/ManageWindowsServer
Or try Azure Arc: [Launch Setup](#)

Don't show this message again **Hide**

ROLES AND SERVER GROUPS
Roles: 0 | Server groups: 1 | Servers total: 1

Local Server 1	All Servers 1
Manageability	Manageability
Events	Events

Disk is attached and our file is present in the disk



Cleanup test failover

Microsoft Azure

Search resources, s

[Home](#) > [Virtual machines](#) > [windows-vm-test](#) >

Test failover cleanup

windows-vm-test

Notes

testing complete

Testing is complete. Delete test failover virtual machine(s). *

OK [Feedback](#)

maheshkumar0091989... CLOUDHUB.BIZ

Starting the task to delete the test failover environment of 'windows-vm-test'...
The operation is in progress.

fresh [Feedback](#)

JSON View

The screenshot shows the Azure portal interface. On the left, a modal dialog titled "Disable Replication" is open, showing a summary of the operation and a "JSON View" button. On the right, a "Notifications" panel is displayed, showing two successful log entries:

- Starting the task to delete the test failover environment of 'windows-vm-test'... (Successfully completed the operation. a few seconds ago)
- Updated network interface

Disable the replication.

The screenshot shows the "Disable Replication" configuration page for a virtual machine named "windows-vm-test".

Information:

- A note states: "This will remove the replicated item from Azure Site Recovery. Replication configuration on source will not be cleaned up. Site Recovery billing for the machine will stop. Click to learn more."
- A message asks: "Please select the reason(s) for disabling protection for this virtual machine. Your feedback is important to improve our product to meet your requirements."
- A checked checkbox indicates: "I am doing a proof of concept (POC) or trial with Azure Site Recovery."
- A dropdown menu shows "Yes" selected for "Are you likely to use Azure Site Recovery in the future? *".
- A text area for feedback is present.
- A list of feedback options includes:
 - I don't want to provide feedback.
 - I faced issues with Azure Site Recovery.
 - I completed migrating my application.
 - Other reasons

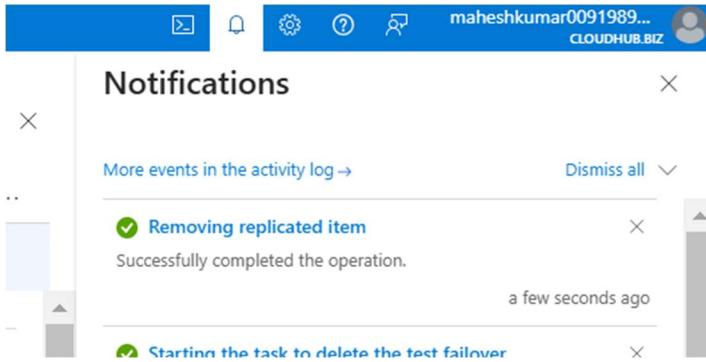
Buttons:

- OK
- Feedback

The screenshot shows a progress dialog box titled "*** Removing replicated item" with the message "The operation is in progress." The dialog has a close button "X".

The top navigation bar includes icons for Home, Notifications (with 1 notification), Settings, Help, and a user profile for "maheshkumar0091989... CLOUDHUB.BIZ".

At the bottom, there are "Refresh" and "Feedback" buttons.



Delete the recovery services vault.

Microsoft Azure

Home > Recovery Services vaults > Site-recovery-vault-southindia >

Delete Recovery Services vault

Delete manually
 Delete using PowerShell script

Step 1: Change Vault properties
 Seek permissions via Multi-User Authorization [Go to PIM](#) | View procedure steps
 Disable Soft Delete and Security features [Go to settings](#) | View procedure steps

Step 2: Stop Backup and Delete Cloud Protected Items
 Backup items [Go to Backup Items](#) | View procedure steps

Step 3: Cleanup associations of Servers and Storage Accounts
 Servers and Storage accounts [Go to Backup Infrastructure](#) | View procedure steps

Step 4: Disable Replication for Site Recovery Replicated Items
 Site Recovery Items [Go to Replicated Items](#)

Step 5: Clean up dependencies related to your Site Recovery Replicated Items
 Replication Policies, Servers [Go to documentation](#)

Step 6: Remove Private Endpoint Connections
 Private Endpoint Connections [Go to Private Endpoints](#)

I wish to permanently delete the vault.

Buttons: Yes | No

Microsoft Azure

Home > Recovery Services vaults >

Recovery Services ...

[Site-recovery-vault-southindia](#)

Delete Recovery Services vault
 Deleting Recovery Services Vault "Site-recovery-vault-southindia" ...

Overview

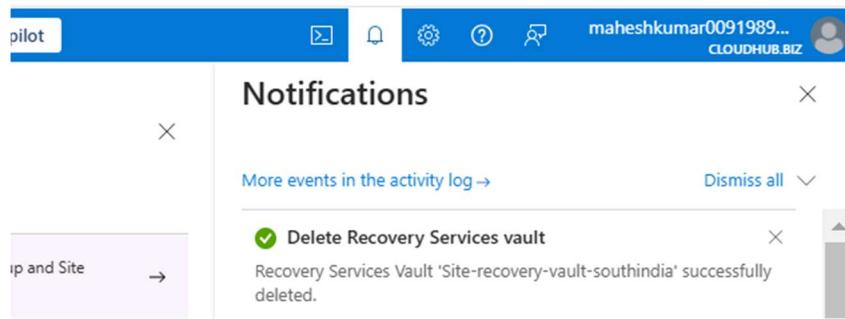
- + Create ...
- Filter for any field...
- Name: Site-recovery-vault-southindia
- Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Settings
- Identity
- Networking
- Properties
- Locks
- Getting started
- Backup

Essentials

Overview | Backup | Site Recovery

What's new

- Azure Site Recovery support for Windows Azure Trusted launch VMs is generally available →
- SAP HANA Database Backup with Lower Protected Instance Fees Starting September 1, 2024. →
- SAP HANA database instance snapshots on Azure VMs is now generally available. →
- HANA System Replication (HSR) support for SAP HANA DB on Azure VM backup is now generally available. →
- Cross Subscription Restore for SAP HANA Databases on Azure VM is now generally available. →
- Cross Subscription Restore for SQL Databases on Azure VM is now generally available. →
- Cross Subscription Restore for Azure Virtual Machines is now generally available. →



Delete all the resources

The screenshot shows the Microsoft Azure portal interface. The left sidebar shows 'All resources' under 'cloudhub.biz'. The main area displays a list of 16 resources, each with a checkbox for selection. The columns are 'Name', 'Type', 'Resource group', and 'Location'. The resources listed include various Azure services like Disk, Network Watcher, Automation Account, Recovery Services vault, Virtual network, and Virtual machine. On the right side, a modal window titled 'Delete Resources' is open. It contains a table titled 'Resources to be deleted' with the same four columns. Below the table, a message states: 'The selected resources along with their related resources and contents will be permanently deleted. If you are unsure of the selected resource dependencies, navigate to the individual resource page to perform the delete operation. More details of the resource dependencies are available in the manage experience.' A 'Delete confirmation' section follows, with a message: 'Deleting the selected resources and their internal data is a permanent action and cannot be undone.' It features a red 'Delete' button and a 'Go back' button. At the bottom of the modal, there is a checkbox for 'Apply force delete for selected Virtual machines and Virtual machine scale sets' and a text input field for 'Enter "delete" to confirm deletion'.