

Created a windows virtual machine

The screenshot shows the 'Create a virtual machine' wizard in Microsoft Azure. The page title is 'Create a virtual machine'. At the top, there's a warning message: '⚠️ Changing Basic options may reset selections you have made. Review all options prior to creating the virtual machine.' Below it are three 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 'Instance details' section contains fields for 'Virtual machine name' (set to 'windows-vm'), 'Region' (set to '(Asia Pacific) Central India'), 'Availability options' (set to 'No infrastructure redundancy required'), 'Security type' (set to 'Trusted launch virtual machines'), and 'Image' (set to 'Windows Server 2022 Datacenter - x64 Gen2'). Under 'VM architecture', 'x64' is selected, while 'Arm64' is noted as unsupported. Other sections include 'Run with Azure Spot discount' (unchecked), 'Size' (set to 'Standard_B2ms - 2 vcpus, 8 GiB memory (₹5,927.45/month)'), and 'Enable Hibernation' (unchecked). A note states that hibernation is not supported by the selected size. At the bottom are navigation buttons: '< Previous', 'Next : Disks >', and a blue 'Review + create' button.

The screenshot shows the 'Create a virtual machine' wizard in Microsoft Azure, continuing from the previous step. The 'Administrator account' section requires a 'Username' (set to 'manohar') and 'Password' (two masked entries). The 'Inbound port rules' section allows selecting public inbound ports. 'Allow selected ports' is chosen, and 'RDP (3389)' is selected. A note indicates that internet traffic will be blocked by default and directs to the Networking page for changes. Navigation buttons at the bottom are: '< Previous', 'Next : Disks >', and 'Review + create'.

Attach data disk while creating the vm

Microsoft Azure

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

default when persisting it to the cloud.

Encryption at host Encryption at host is not registered for the selected subscription. [Learn more](#)

OS disk

OS disk size Image default (127 GiB) Premium SSD (locally-redundant storage)

OS disk type Premium SSD (locally-redundant storage) Standard SSD (locally-redundant storage)

Delete with VM

Key management Platform-managed key Customer-managed key

Enable Ultra Disk compatibility

Data disks for windows-vm

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
					<input type="checkbox"/>

[Create and attach a new disk](#) [Attach an existing disk](#)

Advanced

< Previous Next : Networking > Review + create

[Home](#) > [Virtual machines](#) > [Create a virtual machine](#) >

Create a new disk

...

Create a new disk to store applications and data on your VM. Disk pricing varies based on factors including disk size, storage type, and number of transactions. [Learn more](#)

Name *

windows-vm_DataDisk_0

Source type * ⓘ

None (empty disk)



Size * ⓘ

4 GiB (P1 performance tier)

Premium SSD LRS

[Change size](#)

Key management ⓘ

Platform-managed key



Enable shared disk

 Yes No

Delete disk with VM



[OK](#)

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

Encryption at host Encryption at host is not registered for the selected subscription. [Learn more](#)

OS disk

OS disk size

OS disk type *

Delete with VM

Key management

Enable Ultra Disk compatibility

Data disks for windows-vm

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

LUN	Name	Size (GiB)	Disk type	Host caching	Delete with VM
0	windows-vm_DataDisk	4	Premium SSD LRS	None	<input type="checkbox"/>  

Create and attach a new disk [Attach an existing disk](#)

Advanced

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

Microsoft Azure

Home > Virtual machines >

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

Basics Disks Networking Management Monitoring Advanced Tags **Review + create**

Price

1 X Standard B2ms by Microsoft **8.1198 INR/hr**

Subscription credits apply ⓘ [Terms of use](#) | [Privacy policy](#)

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

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250121221449 | Overview ⚡ ...

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Your deployment is complete

Deployment name: CreateVm-MicrosoftWindowsServer.WindowsSe... Start time: 1/21/2025, 10:18:18 PM
Subscription: Manohar Subscription Correlation ID: 977bf9a1-defc-48a3-b8ce-ddd666644041

Inputs Outputs Template

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

Connect to the vm

Essentials

- Resource group (move) : Demo-RG
- Status : Running
- Location : Central India
- Subscription (move) : Manohar Subscription
- Subscription ID : 32ae8345-c46e-4708-be87-491dbf8d1da9

Operating system : Windows Server 2022 Datacenter

Size : Standard_B2ms (8 GiB memory)

Public IP address : 4.213.140.169

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

DNS name : Not configured

Health state : -

Time created : 1/21/2025, 4:48 PM UTC

Networking

- Public IP address : 4.213.140.169 (Network interface windows-vm0)
- Private IP address (IPv6) : -
- Private IP address (IPv4) : 10.0.0.4
- Virtual network/subnet : windows-vm-vnet/default
- DNS name : Configure

Size

- Size : Standard_B2ms

Initialize the disk

DISKS All disks | 3 total

Number	Virtual Disk	Status	Capacity	Unallocated	Partition	Read Only	Clustered	Subsystem	Bus Type	Name
2	Online	4.00 GB	4.00 GB	Unknown				SAS	Msft Virtual Disk	
0	New Volume...	1.00 MB	1.00 MB	GPT				SAS	Msft Virtual Disk	
1	Bring Online	0.00 B	0.00 B	MBR				SAS	Msft Virtual Disk	

Last refreshed on 1/21/2025 4:52:53 PM

VOLUMES

No volumes exist.

STORAGE POOL

Msft Virtual Disk on windows-vm

No related storage pool exists.

4.213.140.169 - Remote Desktop Connection

Server Manager

Server Manager • File and Storage Services • Volumes • Disks

DISKS

All disks | 3 total

Number	Virtual Disk	Status	Capacity	Unallocated	Partition	Read Only	Clustered	Subsystem	Bus Type	Name
2	Online	4.00 GB	4.00 GB	Unknown					SAS	Msft Virtual Disk
0	Online								SAS	Msft Virtual Disk
1	Online								SAS	Msft Virtual Disk

Initialize Disk

Performing this operation erases all data on the disk and initializes it as a GPT disk. Back up any data that you want to keep before initializing the disk. Do you want to continue?

Yes No

Last refreshed on 1/21/2025 4:52:33

VOLUMES

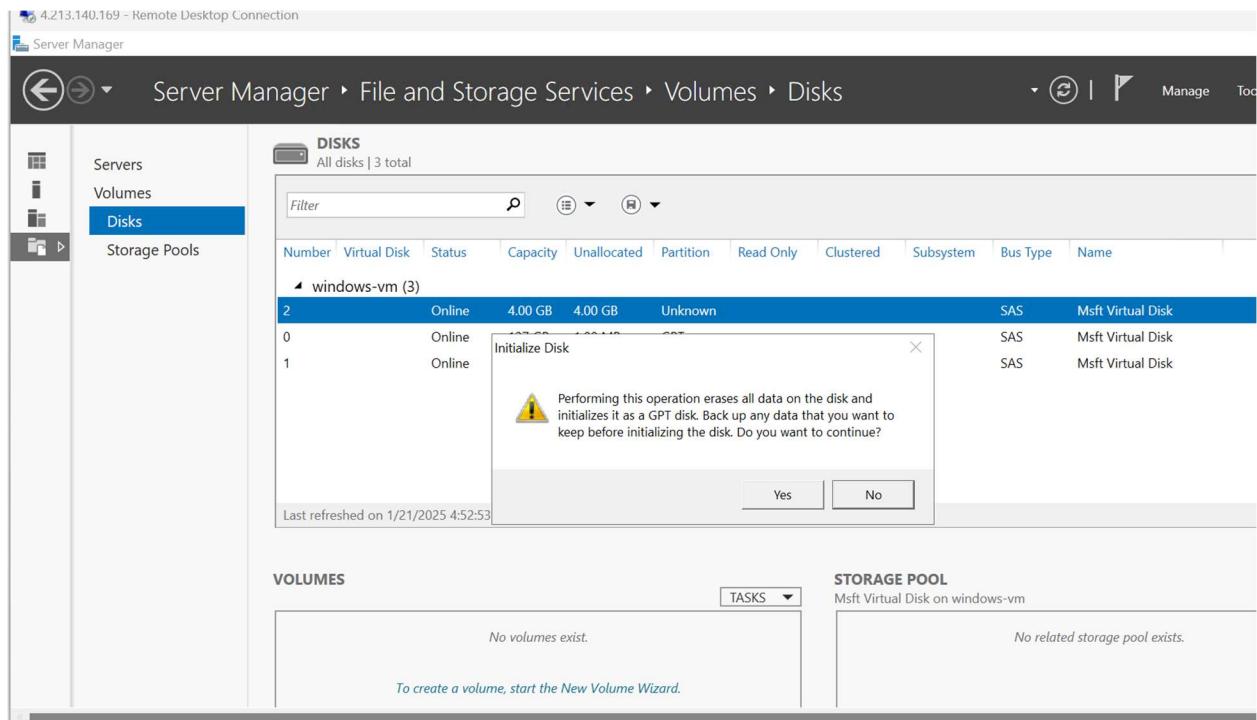
No volumes exist.

To create a volume, start the New Volume Wizard.

STORAGE POOL

Msft Virtual Disk on windows-vm

No related storage pool exists.



Create a new volume

4.213.140.169 - Remote Desktop Connection

Server Manager

Server Manager • File and Storage Services • Volumes • Disks

DISKS

All disks | 3 total

Number	Virtual Disk	Status	Capacity	Unallocated	Partition	Read Only	Clustered	Subsystem	Bus Type	Name
2	Online	4.00 GB	3.99 GB	GPT					SAS	Msft Virtual Disk
0	Online								SAS	Msft Virtual Disk
1	Online								SAS	Msft Virtual Disk

New Volume...

Bring Online

Take Offline

Reset Disk

Last refreshed on 1/21/2025 4:52:53 PM

VOLUMES

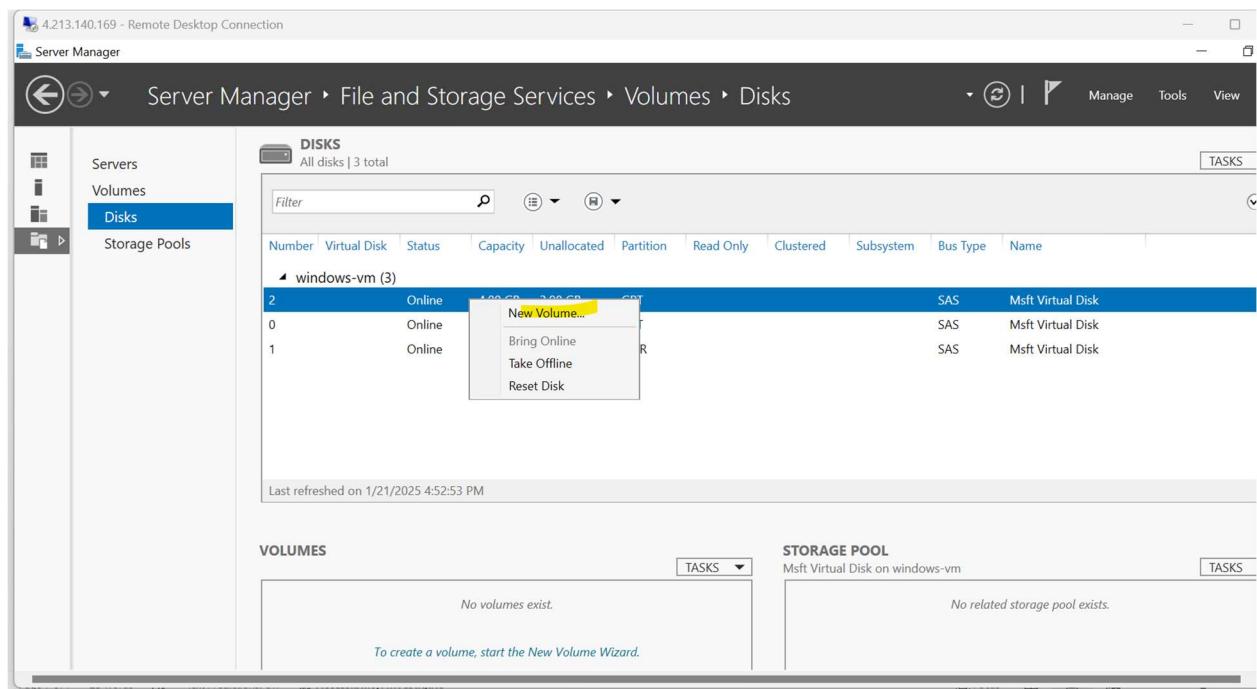
No volumes exist.

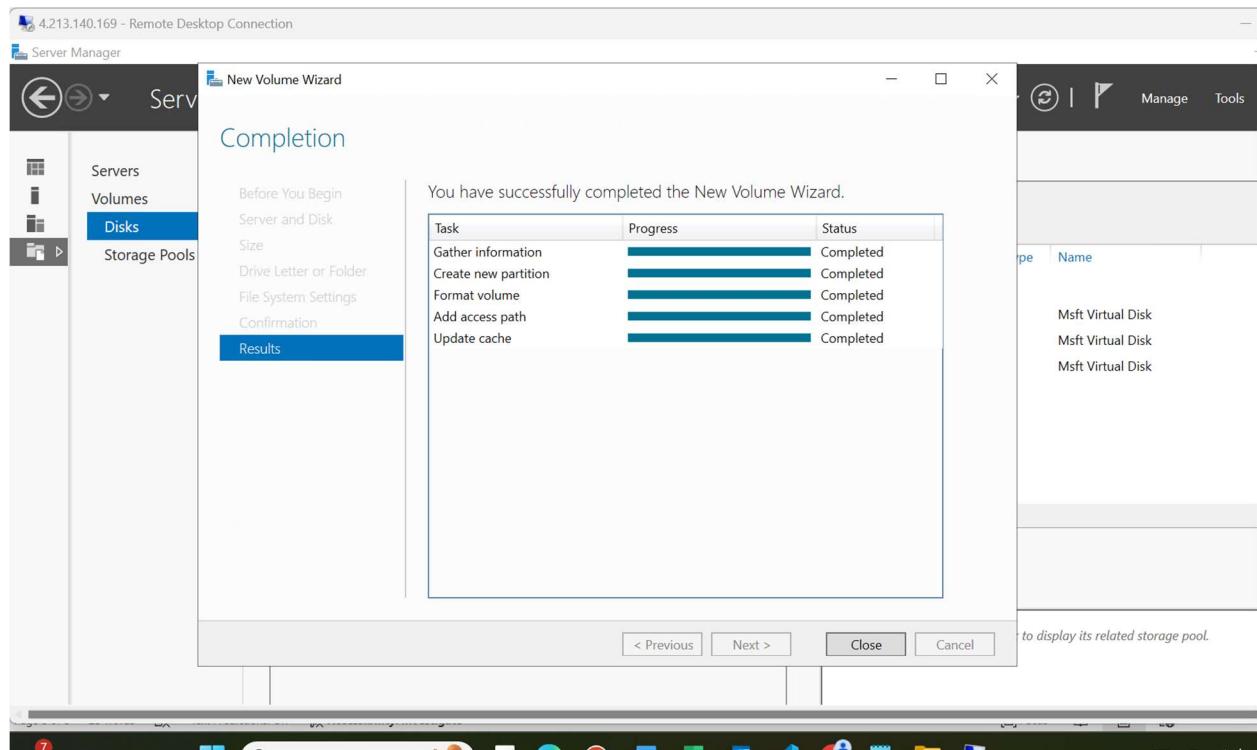
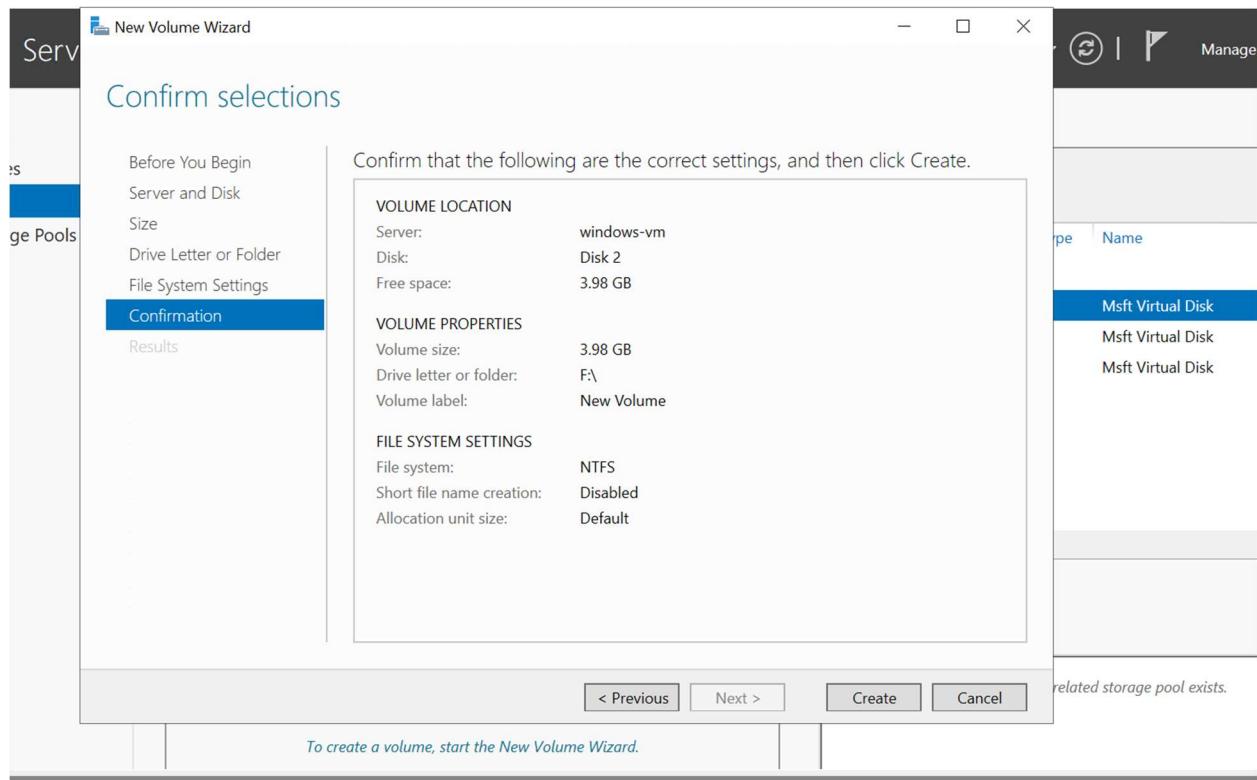
To create a volume, start the New Volume Wizard.

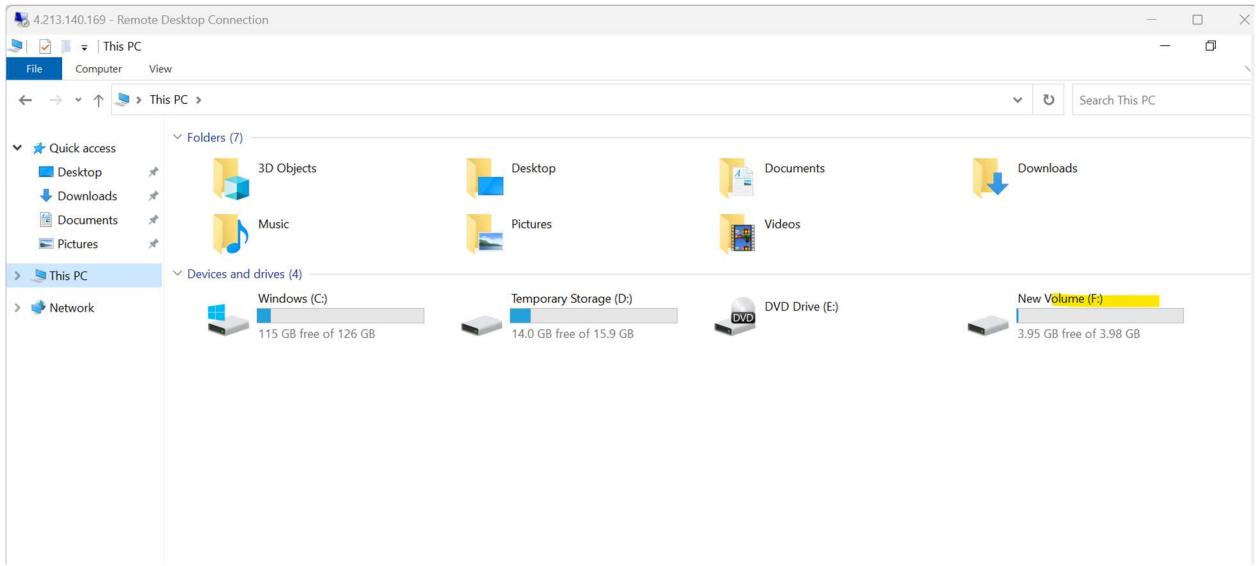
STORAGE POOL

Msft Virtual Disk on windows-vm

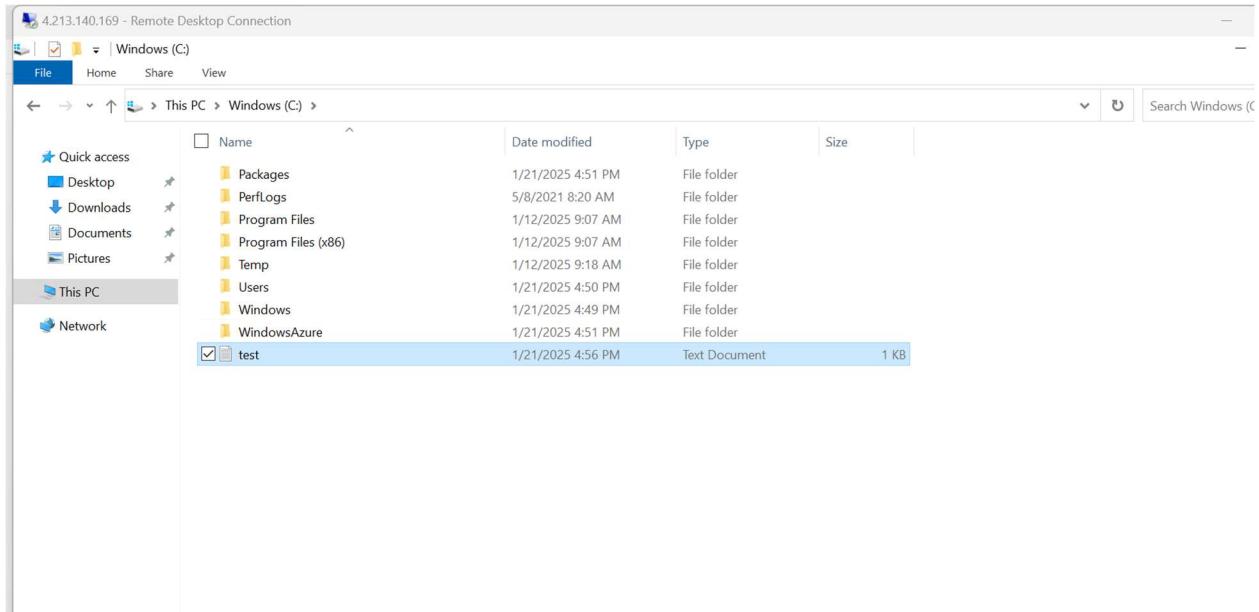
No related storage pool exists.

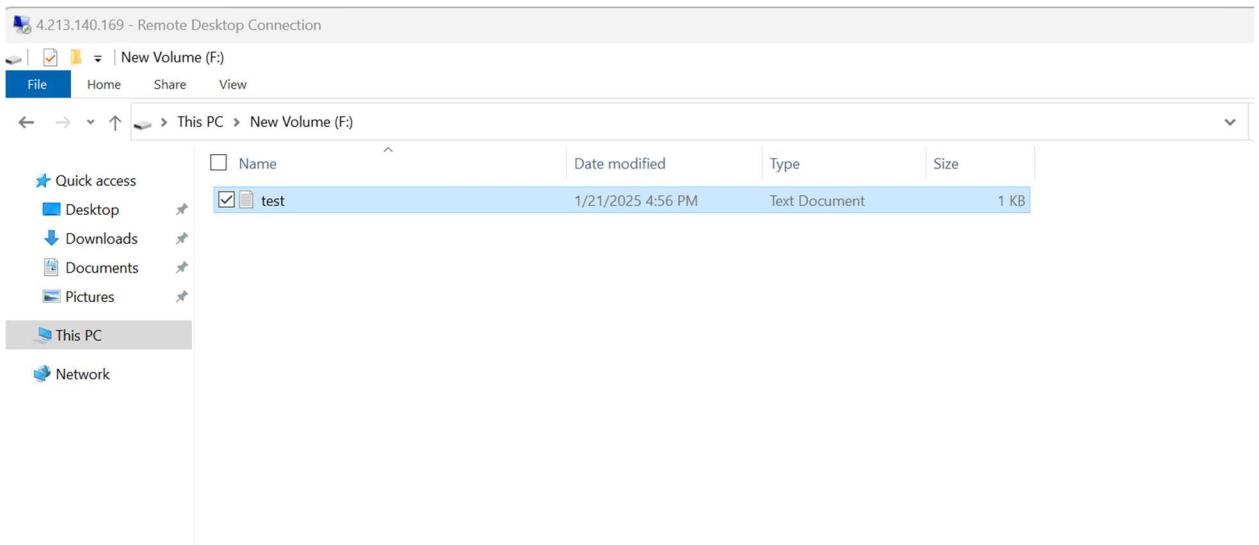
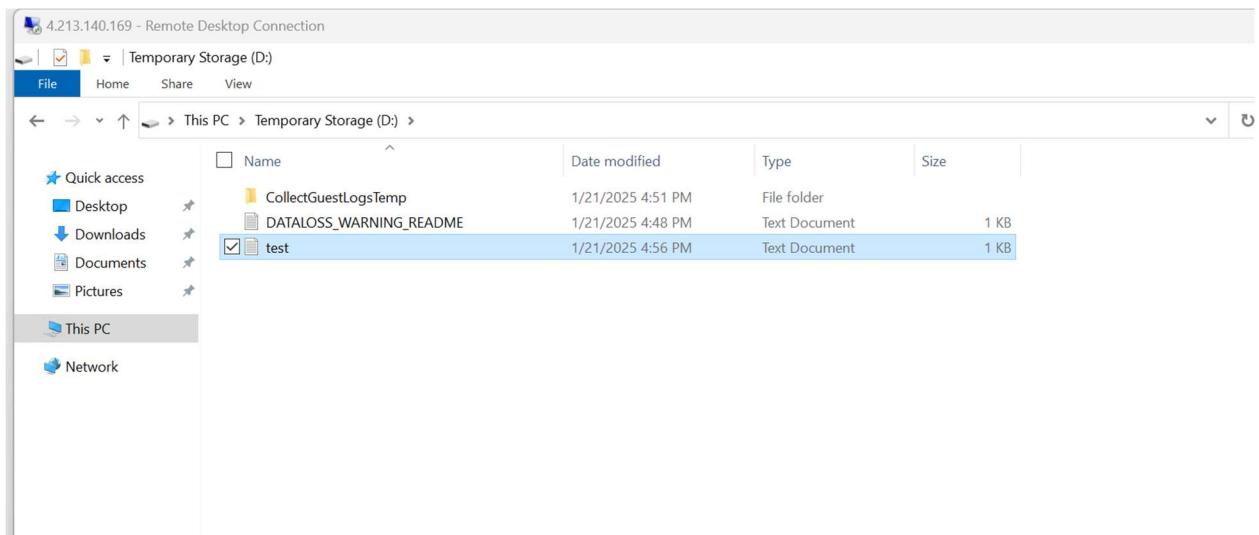




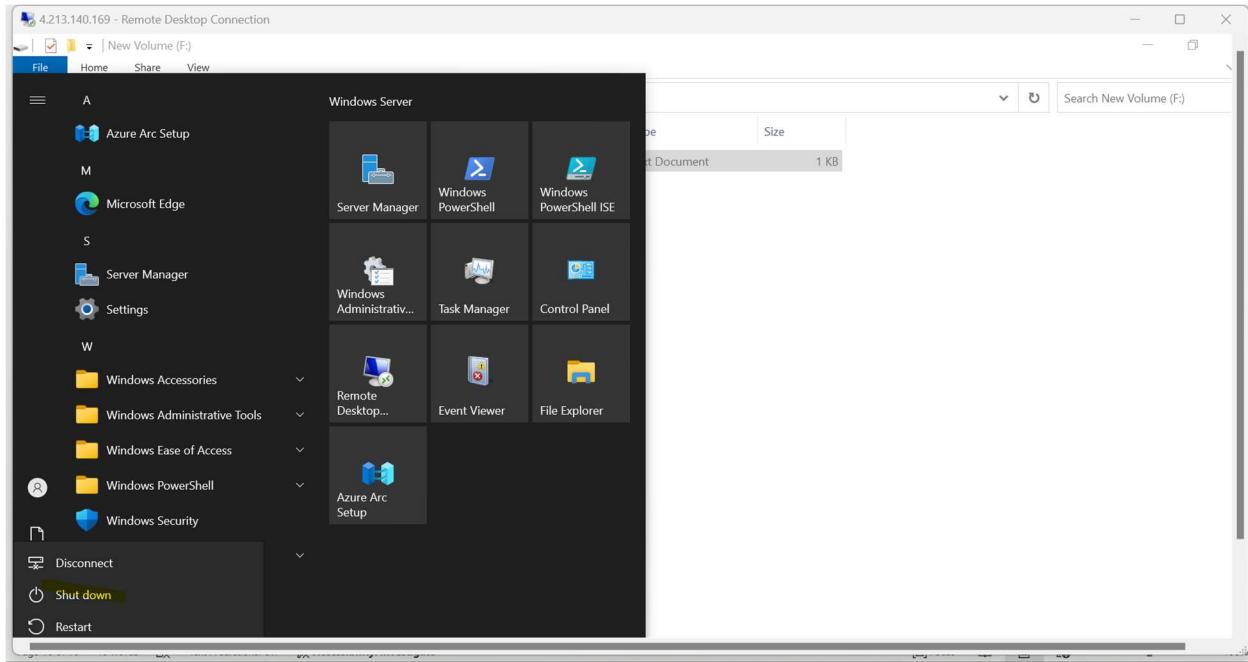


store a file in the temp disk, datadisk and os disk





shutdown vm at operating system level



VM is stopped

A screenshot of the Microsoft Azure portal showing the details of a virtual machine named "windows-vm". The status is listed as "Stopped". Other details include: Resource group: Demo-RG, Status: Stopped, Location: Central India, Subscription: Manohar Subscription, Subscription ID: 32ae345-c46e-4708-be87-491dbf8d1da9. The portal interface includes a left sidebar with navigation links like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Bastion, Windows Admin Center, Networking, Network settings, Load balancing, Application security groups, Network manager, Settings, Disks, Extensions + applications, Operating system, Configuration, and a bottom navigation bar with tabs for Properties, Monitoring, Capabilities (8), Recommendations, and Tutorials. The main content area displays the VM's configuration and network settings.

Start the VM

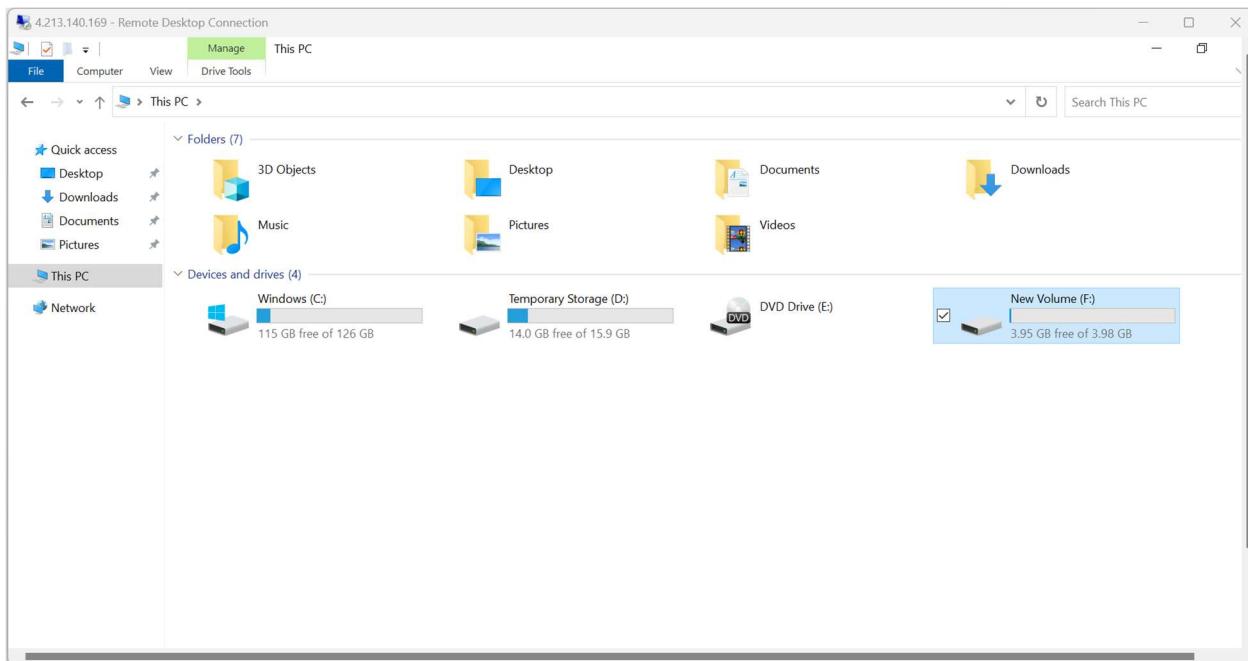
Essentials

- Resource group (move) : Demo-RG
- Status : Running
- Location : Central India
- Subscription (move) : Manohar Subscription
- Subscription ID : 32aeab345-c46e-4708-be87-491dbf8d1da9
- Operating system : Windows (Windows Server 2022 Datacenter)
- Size : Standard B2ms (2 vcpus, 8 GiB memory)
- Public IP address : 4.213.140.169
- Virtual network/subnet : windows-vm-vnet/default
- DNS name : Not configured
- Health state :
- Time created : 1/21/2025, 4:48 PM UTC

Properties

Virtual machine	Networking	Size
Computer name : windows-vm Operating system : Windows VM generation : V2 VM architecture : x64 Agent status : Ready Agent version : 2.7.41491.1139 Hibernation : Disabled Host group : -	Public IP address : 4.213.140.169 (Network interface windows-vm00) Public IP address (IPv6) : - Private IP address : 10.0.0.4 Private IP address (IPv6) : - Virtual network/subnet : windows-vm-vnet/default DNS name : Configure	Size : Standard B2ms

Connect to the VM again.

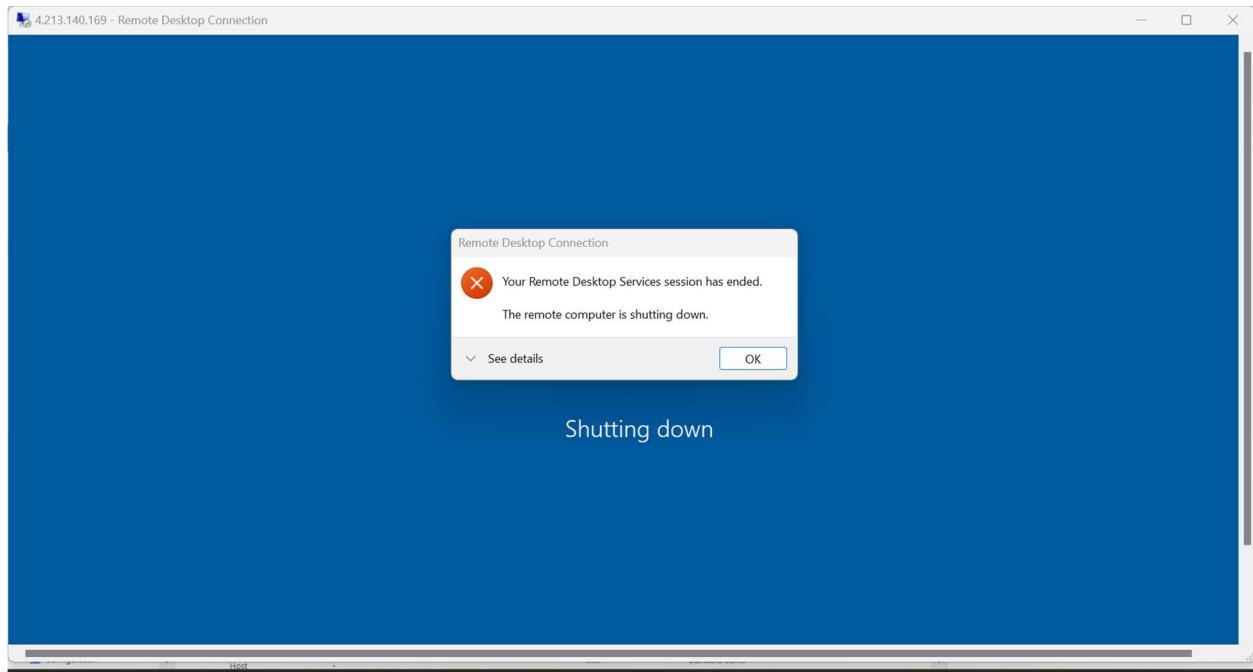


Test file is present in os , datadisk and temporary disk

Stop the vm from azure portal.

The screenshot shows the Microsoft Azure portal interface. On the left, the navigation menu is open, showing options like Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Connect, Bastion, Windows Admin Center, Networking, Network settings, Load balancing, Application security groups, Network manager, Settings, Disks, Extensions + applications, Operating system, and Configuration. The main content area displays a 'Stop this virtual machine' dialog box asking if you want to stop the 'windows-vm'. Below the dialog, the VM details page is visible, showing information such as Subscription (move) to 'Manchar Subscription', Subscription ID '32ae345-c46e-4708-be87-491dbf8d1da9', Virtual network/subnet 'windows-vm-vnet/default', DNS name 'Not configured', Health state 'Normal', Time created '1/21/2023, 4:48 PM UTC', and Networking details including Public IP address '4.213.140.169', Private IP address '10.0.0.4', and Virtual network/subnet 'windows-vm-vnet/default'. On the right, the Notifications panel shows two entries: 'Started virtual machine' (2 minutes ago) and 'Deployment succeeded' (Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250121221449' to resource group 'Demo-RG' was successful, 11 minutes ago). There are also 'Go to resource' and 'Pin to dashboard' buttons.

Remote session lost



Vm is now stopped and deallocated

Essentials

Resource group (move)	Demo-RG
Status	Stopped (deallocated)
Location	Central India
Subscription (move)	Manohar Subscription
Subscription ID	32ae345-c46e-4708-be87-491dbf8d1da9

Networking

Public IP address	4.213.140.169 (Network interface windows-vm90)
Private IP address (IPv6)	-
Private IP address (IPv4)	10.0.0.4
Virtual network/subnet	windows-vm-vnet/default
DNS name	Not configured

Notifications

- Successfully stopped virtual machine (a few seconds ago)
- Started virtual machine (3 minutes ago)
- Deployment succeeded (Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-202-2025012121449' to resource group 'Demo-RG' was successful. 12 minutes ago)

Start the vm and connect to the vm again.

Essentials

Resource group (move)	Demo-RG
Status	Running
Location	Central India
Subscription (move)	Manohar Subscription
Subscription ID	32ae345-c46e-4708-be87-491dbf8d1da9

Networking

Public IP address	4.213.140.169 (Network interface windows-vm90)
Private IP address (IPv6)	-
Private IP address (IPv4)	10.0.0.4
Virtual network/subnet	windows-vm-vnet/default
DNS name	Not configured

Notifications

- Started virtual machine (a few seconds ago)
- Successfully stopped virtual machine (a few seconds ago)
- Started virtual machine (4 minutes ago)
- Deployment succeeded (Deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-202-2025012121449' to resource group 'Demo-RG' was successful. 13 minutes ago)

test file is deleted from the temporary disk

Name	Date modified	Type	Size
CollectGuestLogsTemp	1/21/2025 5:04 PM	File folder	
DATALOSS_WARNING_README	8/13/2024 1:31 PM	Text Document	1 KB

change existing disk size

try to change the disk size of os disk

When try to change the disk size of os level disk getting a message that Changes to the disk size can be made only when the disk is unattached or the managing virtual machine(s) are deallocated.

When try to change the storage type of data disk getting a message Changes to the disk size can be made only when the disk is unattached or the managing virtual machine(s) are deallocated.

Size	Disk tier	Provisioned IOPS	Provisioned throughput	Max Shares	Max burst IOPS	Max burst throughput
4 GiB	E1	500	100	3	600	150
8 GiB	E2	500	100	3	600	150
16 GiB	E3	500	100	3	600	150
32 GiB	E4	500	100	3	600	150
64 GiB	E6	500	100	3	600	150
128 GiB	E10	500	100	3	600	150
256 GiB	E15	500	100	3	600	150
512 GiB	E20	500	100	3	600	150
1024 GiB	E30	500	100	5	1000	250
2048 GiB	E40	500	100	5	-	-
4096 GiB	E50	500	100	5	-	-
8192 GiB	E60	2000	400	10	-	-
16384 GiB	E70	4000	600	10	-	-

⚠️ Changes to the disk size can be made only when the disk is unattached or the managing virtual machine(s) are deallocated.

But when try to change the disk size of the datadisk it is allowed.

os disk we need to deallocate the vm before change the size

but for data disk we can do it without deallocating the vm

size wise we can change it

but storage type we need to de-allocate the vm

Size	Disk tier	Provisioned IOPS	Provisioned throughput	Max Shares	Max burst IOPS	Max burst throughput
4 GiB	P1	120	25	3	3500	170
8 GiB	P2	120	25	3	3500	170
16 GiB	P3	120	25	3	3500	170
32 GiB	P4	120	25	3	3500	170
64 GiB	P6	240	50	3	3500	170
128 GiB	P10	500	100	3	3500	170
256 GiB	P15	1100	125	3	3500	170
512 GiB	P20	2300	150	3	3500	170
1024 GiB	P30	5000	200	5	-	-
2048 GiB	P40	7500	250	5	-	-
4096 GiB	P50	7500	250	5	-	-
8192 GiB	P60	16000	500	10	-	-
16384 GiB	P70	18000	750	10	-	-
32767 GiB	P80	20000	900	10	-	-

⚠️ Changes to the disk size can be made only when the disk is unattached or the managing virtual machine(s) are deallocated.

Create a snapshot from OS Disk

Microsoft Azure

Search resources, services, and docs (G+)

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250121221449 | Overview > windows-vm | Disks > windows-vm_OsDisk_1_b77521941e3549a382c6a76aa78d1405 >

Create snapshot

Basics Encryption Networking Advanced Tags Review + create

A snapshot is a read-only copy of a virtual hard drive (VHD). You can take a snapshot of an OS or data disk VHD to use as a backup, or to troubleshoot virtual machine (VM) issues. [Learn more about snapshots in Azure](#)

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

Name * osdisksnap

Region ⓘ (Asia Pacific) Central India

Snapshot type * ⓘ **Incremental:** Save on storage costs by making a partial copy of the disk based on the difference between the last snapshot.
 Full: Make a complete read-only copy of the selected disk.

Source type ⓘ Disk

Source subscription ⓘ Manohar Subscription

Source disk ⓘ windows-vm_OsDisk_1_b77521941e3549a382c6a76aa78d1405

Security type ⓘ Trusted launch

Review + create < Previous Next : Encryption >

Microsoft Azure

Home > CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250121221449 | Overview > windows-vm | Disks > windows-vm_OsDisk_1_b77521941e3549a382c6a76aa78d1405

Create snapshot

Resource group * Demo-RG Create new

Instance details

Name * osdisksnap

Region (Asia Pacific) Central India

Snapshot type * **Full:** Make a complete read-only copy of the selected disk.

Source type Disk

Source subscription Manohar Subscription

Source disk windows-vm_OsDisk_1_b77521941e3549a382c6a76aa78d1405

Security type Trusted launch

VM generation Generation 2

VM architecture x64

Storage type * Standard HDD (zone-redundant storage)

Review + create < Previous Next : Encryption >

Microsoft Azure

Home > Snapshot.osdisksnap-20250121225714 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview Your deployment is complete

Deployment name : Snapshot.osdisksnap-20250121225714
 Subscription : Manohar Subscription
 Resource group : Demo-RG

Start time : 1/21/2025, 10:57:17 PM
 Correlation ID : 8d61a88f-3711-479b-aab2-5fc9615cadea

Deployment details
 Next steps
 Go to resource

Give feedback
 Tell us about your experience with deployment

from snapshot create a disk

Microsoft Azure

Home > Snapshot.osdisksnap-20250121225714 | Overview >

osdisksnap Snapshot

Search Create disk + Create VM image version Copy snapshot Delete Refresh Give feedback

Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Encryption Networking Snapshot export Properties Locks Automation CLI / PS Tasks Export template Help Support + Troubleshooting

Get started Properties

Snapshot

Name	osdisksnap	Size	127 GiB
Snapshot type	Full	Storage type	Zone-redundant
VM generation	Gen 2	Source	windows-vm_OsDisk_1_b77521941e3549a382c6a76aa78d1405
Completion percent	100	Size	127 GiB
Provisioning state	Succeeded	Encryption	Platform-managed key
VM architecture	x64		
Hibernation supported	Yes		

Encryption

Encryption type: Platform-managed key

Networking

Connection type: Public endpoints (allow all)

Microsoft Azure

Home > Snapshot.osdisksnap-20250121225714 | Overview > osdisksnap >

Create a managed disk

Basics Encryption Networking Advanced Tags Review + create

Select the disk type and size needed for your workload. Azure disks are designed for 99.999% availability. Azure managed disks encrypt your data at rest, by default, using Storage Service Encryption. [Learn more about disks.](#)

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

Disk details

Disk name * ⓘ osdiskcopy

Region ⓘ (Asia Pacific) Central India

Availability zone No infrastructure redundancy required

Source type ⓘ Snapshot

Source subscription ⓘ Manohar Subscription

Source snapshot ⓘ osdisksnap

OS type ⓘ None (data disk) Linux

Review + create < Previous Next : Encryption >

[Home](#) > [Snapshot.osdisksnap-20250121225714 | Overview](#) > [osdisksnap](#) >

Create a managed disk ...

 Validation passed

[Basics](#) [Encryption](#) [Networking](#) [Advanced](#) [Tags](#) [Review + create](#)

Basics

Subscription	Manohar Subscription
Resource group	Demo-RG
Region	Central India
Disk name	osdiskcopy
Availability zone	No infrastructure redundancy required
Source type	Snapshot
Source subscription	Manohar Subscription
Source snapshot	osdisksnap
OS type	Windows
Security type	Trusted launch
VM generation	V2
VM architecture	x64

Size

Size	127 GiB
Performance tier	P10 - 500 IOPS, 100 MB/s (default)
Storage type	Premium SSD LRS

Encryption

[Create](#)

[< Previous](#)

[Next >](#)

[Download a template for automation](#)

Swap os disk

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

Swap OS Disk

...

Swap the OS disk for a backup disk or another disk for VM troubleshooting. [Learn more.](#)

Choose disk *

 This VM will be stopped (deallocated) and the OS disk will be replaced. Any existing data on the OS disk will be lost.

Confirm you want to swap the OS disk for this VM by entering the name of the vm
'windows-vm'

OK



The screenshot shows the Microsoft Azure portal interface for managing virtual machines. The left sidebar navigation bar includes 'Virtual machines', 'Create', 'Switch to classic', 'Filter for any field...', and a search bar. The main content area is titled 'windows-vm | Disks' and displays two sections: 'OS disk' and 'Data disks'. The 'OS disk' section shows a swap operation for a disk named 'codisk0py' (Storage type: Premium SSD LRS, Size: 127 GB). The 'Data disks' section shows one attached disk, 'windows-vm_DataDisk_0' (Storage type: Premium SSD LRS, Size: 4 GB). On the right side, there is a 'Notifications' panel listing several recent events: 'OS-disk swap complete' (a few seconds ago), 'Successfully stopped virtual machine' (a few seconds ago), 'Deployment succeeded' (Deployment 'Microsoft.ManagedDisk-2025012122585' to resource group 'Demo-RG' was successful, 2 minutes ago), 'Deployment succeeded' (Deployment 'Snapshot.codisk0map-20250121225714' to resource group 'Demo-RG' was successful, 5 minutes ago), 'Started virtual machine' (Successfully started virtual machine 'windows-vm', 29 minutes ago), and 'Successfully stopped virtual machine' (Successfully stopped the virtual machine 'windows-vm', 30 minutes ago).

we can also create image version from the snapshot and using the image we can create a vm

managed disk means it is managed by Microsoft & we don't have to specify the storage account