Azure Virtual Machine

Screenshot 1 — Basics tab

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 ⧉

ℹ This subscription may not be eligible to deploy VMs of certain sizes in certain regions.

Project details

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

Subscription * ⓘ — Free Trial

Resource group * ⓘ — (New) Azure_Training
Create new

< Previous | Next : Disks > | Review + create

Give feedback

Screenshot 2 — Instance details

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

Instance details

Virtual machine name * ⓘ — dinesh01 ✓

Region * ⓘ — (Asia Pacific) Central India

Availability options ⓘ — Availability zone

Zone options ⓘ
- ● Self-selected zone
  Choose up to 3 availability zones, one VM per zone
- ○ Azure-selected zone (Preview)
  Let Azure assign the best zone for your needs
  ℹ Using an Azure-selected zone is not supported in region 'Central India'.

Availability zone * ⓘ — Zone 1
✓ You can now select multiple zones. Selecting multiple zones will create one VM per zone. Learn more ⧉

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Security type ⓘ   Standard ▾

Image * ⓘ   🔴 Ubuntu Server 24.04 LTS - x64 Gen2 (free services eligible) ▾
                    See all images | Configure VM generation

                    ⊘ This image is compatible with additional security features. Click here to swap to the
                    Trusted launch security type.

VM architecture ⓘ   ○ Arm64
                    ● x64

Run with Azure Spot discount ⓘ   ☐

ⓘ You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription.
Learn more ↗

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⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the 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

Size * ⓘ   Standard_B1ls - 1 vcpu, 0.5 GiB memory (₹340.10/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

Authentication type ⓘ   ○ SSH public key
                        ● Password

Username * ⓘ   dinesh

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Create a virtual machine ...

⚠ Changing Basic options may reset selections you have made. Review all options prior to creating the 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

Username * ⓘ	dinesh	✓
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   Give feedback

⚙

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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

Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. Learn more ⧉

VM disk encryption

Azure disk storage encryption automatically encrypts your data stored on Azure managed disks (OS and data disks) at rest by 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 (30 GiB) | ⌄ |
| OS disk type * ⓘ | Standard SSD (locally-redundant storage) | ⌄ |

< Previous   Next : Networking >   Review + create   Give feedback

⚙

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Create a virtual machine   ···

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The selected VM size supports premium disks. We recommend Premium SSD for high IOPS workloads. Virtual machines with Premium SSD disks qualify for the 99.9% connectivity SLA.

Delete with VM ⓘ   ☑

Key management ⓘ   Platform-managed key ▾

Enable Ultra Disk compatibility ⓘ   ☐

Data disks for dinesh01

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 ⓘ

Create and attach a new disk   Attach an existing disk

< Previous   Next : Networking >   Review + create   Give feedback

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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

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) dinesh01-vnet ▾
     Create new

Subnet * ⓘ   (new) default (10.0.0.0/24) ▾

Public IP ⓘ   (new) dinesh01-ip ▾
     Create new

NIC network security group ⓘ   ◯ None

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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

Public inbound ports * ⓘ
- ○ None
- ◉ Allow selected ports

Select inbound ports *   SSH (22) ⌄

⚠ **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.

Delete public IP and NIC when VM is deleted ⓘ   ☐

Enable accelerated networking ⓘ   ☐

ⓘ The resource provider 'Microsoft.Network' should be registered in order to

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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

Configure management options for your VM.

Microsoft Defender for Cloud

Microsoft Defender for Cloud provides unified security management and advanced threat protection across hybrid cloud workloads. Learn more ⧉

Enable basic plan for free ⓘ   ☑   This will apply to every VM in the selected subscription

Identity

Enable system assigned managed identity ⓘ   ☐

Microsoft Entra ID

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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]

ⓘ RBAC role assignment of Virtual Machine Administrator Login or Virtual Machine
   User Login is required when using Microsoft Entra ID login. Learn more ↗

ⓘ Microsoft Entra ID login now uses SSH certificate-based authentication. You will need to use an SSH client that supports OpenSSH
   certificates. You can use Azure CLI or Cloud Shell from the Azure Portal. Learn more ↗

Auto-shutdown

Enable auto-shutdown ⓘ   ☐

Backup

Enable backup ⓘ   ☐

Guest OS updates

Patch orchestration options ⓘ   [Image default   ∨]

                              ⓘ Some patch orchestration options are not available for this image. Learn more ↗

[< Previous] [Next : Monitoring >] [**Review + create**]   ⚐ Give feedback

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https://portal.azure.com/?quickstart=True#create/Microsoft.VirtualMachine

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Dashboard > Create a resource >

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

Configure monitoring options for your VM.

Alerts

Enable recommended alert rules ⓘ   ☐

Diagnostics

Boot diagnostics ⓘ   ⦿ Enable with managed storage account (recommended)
                          ○ Enable with custom storage account
                          ○ Disable

Enable OS guest diagnostics ⓘ   ☐

Health

[< Previous] [Next : Advanced >] [**Review + create**]   ⚐ Give feedback

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Dashboard > Create a resource >

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

Add additional configuration, agents, scripts or applications via virtual machine extensions or cloud-init.

Extensions

Extensions provide post-deployment configuration and automation.

Extensions ⓘ   Select an extension to install

VM applications

VM applications contain application files that are securely and reliably downloaded on your VM after deployment. In addition to the application files, an install and uninstall script are included in the application. You can easily add or remove applications on your VM after create. Learn more ☐

Select a VM application to install

Custom data and cloud-init

| < Previous | Next : Tags > | **Review + create** | 🗩 Give feedback

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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 |

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

Price

1 X Standard B1ls   Subscription credits apply ⓘ
by Microsoft   **0.4659 INR/hr**
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

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Dashboard > Create a resource >

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 |

...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.

Name	Dinesh Gowtham K
Preferred e-mail address	dineshgowtham33@gmail.com
Preferred phone number	

⚠ **You have set SSH 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

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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 |

Basics

Subscription	Free Trial
Resource group	(new) Azure_Training
Virtual machine name	dinesh01
Region	Central India
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
Security type	Standard
Image	Ubuntu Server 24.04 LTS - Gen2
VM architecture	x64
Size	Standard B1ls (1 vcpu, 0.5 GiB memory)
Enable Hibernation	No

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Enable Hibernation	No
Authentication type	SSH public key
Username	azureuser
SSH Key format	RSA
Key pair name	dinesh01_key
Public inbound ports	SSH
Azure Spot	No

Disks

OS disk size	Image default
OS disk type	Standard SSD LRS
Use managed disks	Yes

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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

Use managed disks	Yes
Delete OS disk with VM	Disabled
Ephemeral OS disk	No

Networking

Virtual network	(new) dinesh01-vnet
Subnet	(new) default (10.0.0.0/24)
Public IP	(new) dinesh01-ip
Accelerated networking	Off
Place this virtual machine behind an existing load balancing solution?	No
Delete public IP and NIC when VM is deleted	Disabled

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Dashboard > Create a resource >

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 |

Delete public IP and NIC when VM is deleted · Disabled

Management

Microsoft Defender for Cloud	Basic (free)
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Backup	Disabled
Enable hotpatch	Off
Patch orchestration options	Image Default

Monitoring

< Previous | Next > | **Create**

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Dashboard > Create a resource >

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 |

Monitoring

Alerts	Off
Boot diagnostics	On
Enable OS guest diagnostics	Off
Enable application health monitoring	Off

Advanced

Extensions	None
VM applications	None
Cloud init	No
User data	No
Disk controller type	SCSI

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Screenshot 1 (top):

CreateVm-canonical.ubuntu-24_04-lts-server-20241121233556 | Overview
Deployment

Delete Cancel Redeploy Download Refresh

✓ Your deployment is complete

Deployment name: CreateVm-canonical.ubuntu-24...   Start time: 11/22/2024, 6:41:26 AM
Subscription: Free Trial   Correlation ID: 6ecddc65-75b0-4913-9b...
Resource group: Azure_Training

∨ 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
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >

Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >

Free Microsoft tutorials
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Work with an expert

Screenshot 2 (bottom):

Dashboard > CreateVm-canonical.ubuntu-24_04-lts-server-20241121233556 | Overview >

dinesh01
Virtual machine

Help me copy this VM in any region

Connect ∨ ▷ Start Restart Stop Hibernate Capture ∨ Delete Refresh Open in mobile ...

∧ Essentials   JSON View

Resource group (move)   Operating system
Azure_Training   Linux (ubuntu 24.04)

Status   Size
Running   Standard B1ls (1 vcpu, 0.5 GiB memory)

Location   Public IP address
Central India (Zone 1)   4.240.101.249

Subscription (move)   Virtual network/subnet
Free Trial   dinesh01-vnet/default

Subscription ID   DNS name
5d8a82be-9ab8-406a-a8f5-854f05ac2101   Not configured

Availability zone   Health state
1   -

                                   Time created
                                   11/22/2024, 1:11 AM UTC

Tags (edit)