

AZURE ACCOUNT CREATION – VIRTUAL MACHINE

Steps for Creating an Azure Virtual Machine:

Create a Microsoft Azure Account:

→ Begin by signing up for a Microsoft Azure account.

The screenshot shows the Azure portal interface for creating a virtual machine. The browser tabs at the top include 'Cloud Computing Service', 'Welcome to Azure!', 'Create Your Azure Free A...', and 'Create a virtual machine'. The address bar shows 'portal.azure.com/#create/Microsoft.VirtualMachine-ARM'. The page title is 'Create a virtual machine'. Below the title, 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 'your resources' section shows 'Subscription' set to 'Free Trial' and 'Resource group' set to '(New) Resource group'. The 'Instance details' section includes 'Virtual machine name', 'Region' set to '(Asia Pacific) Central India', 'Availability options' set to 'Availability zone', and 'Zone options' set to 'Self-selected zone'. At the bottom, there are buttons for '< Previous', 'Next : Disks >', and 'Review + create'. A 'Give feedback' link is also present. On the right side, there is a 'Notifications' panel with two notifications: 'Multifactor authentication required' and '₹16,700.00 credit remaining'. The Windows taskbar at the bottom shows the search bar, task view, and several application icons.

Account Credit:

→ After account creation, a credit of 16,000 is provided.

Select Virtual Machine Service:

→ Navigate to the **Services** section and select **Virtual Machines**. Then, click on the **Create** option to start creating a new virtual machine.

Provide Virtual Machine Details:

→ During the setup process, details such as the **virtual machine name**, **region**, **operating system**, and other configurations must be specified.

Cloud Computing x Welcome to Azure x Create Your Azure x Create Your Azure x Create a virtual machine x Document.docx x + -

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot bhadrinathsvikumar@... DEFAULT DIRECTORY

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

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

Subscription * (i) Free Trial (v)
Resource group * (i) (New) Bhadrinath (v)
[Create new](#)

Instance details

Virtual machine name * (i) Bhadri-VM (v)
Region * (i) (Europe) UK South (v)
Availability options (i) Availability zone (v)

< Previous Next : Disks > Review + create Give feedback

Type here to search CAD/INR -1.07% ENG US 02:25 PM 26-11-2024

Review Configuration:

→ Once the configurations are complete, all entered information will be displayed in the **Review + Create** section.

Cloud Computing x Welcome to Azure x Create Your Azure x Create Your Azure x Create a virtual machine x Document.docx x + -

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot bhadrinathsvikumar@... DEFAULT DIRECTORY

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

Zone options (i)

☒ 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

Availability zone * (i) Zone 1 (v)
☒ You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type (i) Trusted launch virtual machines (v)
[Configure security features](#)

Image * (i) Ubuntu Server 24.04 LTS - x64 Gen2 (free services eligible) (v)
[See all images](#) | [Configure VM generation](#)

VM architecture (i) ☐ Arm64

< Previous Next : Disks > Review + create Give feedback

Type here to search CAD/INR -1.07% ENG US 02:25 PM 26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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

Copilot

bhadrinathsivakumar@...DEFAULT DIRECTORY

HomeVirtual machines

Create a virtual machine

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

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](#)

Size

Standard_B1s - 1 vcpu, 1 GiB memory (₹716.64/month) (free services eligible)

[See all sizes](#)

Enable Hibernation

☐

Hibernate does not currently support Trusted launch and Confidential virtual machines for Linux images.[Learn more](#)

< Previous

Next : Disks >

Review + create

Give feedback

Type here to search

CAD/INR -1.07%

ENG US02:25 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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

Copilot

bhadrinathsivakumar@...DEFAULT DIRECTORY

HomeVirtual machines

Create a virtual machine

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Administrator account

Authentication type

☒ SSH public key

☐ Password

Azure now automatically generates an SSH key pair for you and allows you to store it for future use. It is a fast, simple, and secure way to connect to your virtual machine.

Username

azureuser

SSH public key source

Generate new key pair

SSH Key Type

☒ RSA SSH Format

☐ Ed25519 SSH Format

Ed25519 provides a fixed security level of no more than 128 bits for 256-bit key, while RSA could offer better security with keys longer than 3072 bits.

< Previous

Next : Disks >

Review + create

Give feedback

Type here to search

Live

ENG US02:27 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureUpgradeSearch resources, services, and docs (G+)Copilotbhadrinathsvikumar@...DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Key pair name *Bhadri-VM_key

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 *NoneAllow selected ports

Select inbound ports *SSH (22)

All traffic from the internet will be blocked by default. You will be able to change inbound port rules in the VM > Networking page.

< PreviousNext: Disks >Review + createGive feedback

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureUpgradeSearch resources, services, and docs (G+)Copilotbhadrinathsvikumar@...DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

Validation passedHelp me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

BasicsDisksNetworkingManagementMonitoringAdvancedTagsReview + create

Price

1 X Standard B1s by Microsoft

Subscription credits apply

0.9817 INR/hr

Terms of use | Privacy policyPricing 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

< PreviousNext >CreateDownload a template for automationGive feedback

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureUpgradeSearch resources, services, and docs (G+/)Copilotbhadrinathsivakumar@...DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

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.

Name

BHADRINATH P S

Preferred e-mail address

bhadrinathsivakumar@gmail.com

Preferred phone number

< PreviousNext >Create

Download a template for automationGive feedback

Type here to search

Heavier rain soonENG US02:29 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureUpgradeSearch resources, services, and docs (G+/)Copilotbhadrinathsivakumar@...DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

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

Subscription

Free Trial

Resource group

(new) Bhadrinath

Virtual machine name

Bhadri-VM

Region

UK South

Availability options

Availability zone

Zone options

Self-selected zone

Availability zone

1

< PreviousNext >Create

Download a template for automationGive feedback

Type here to search

Heavier rain soonENG US02:29 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureUpgradeSearch resources, services, and docs (G+/)Copilotbhadrinathsivakumar@...DEFAULT DIRECTORY

HomeVirtual machines

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Security type	Trusted launch virtual machines
Enable secure boot	Yes
Enable vTPM	Yes
Integrity monitoring	No
Image	Ubuntu Server 24.04 LTS - Gen2
VM architecture	x64
Size	Standard B1s (1 vcpu, 1 GiB memory)
Enable Hibernation	No
Authentication type	SSH public key
Username	azureuser
SSH Key format	RSA
Key pair name	Bhadri-VM_key

< PreviousNext >Create

Download a template for automationGive feedback

Type here to search

Heavier rain soonENG US02:30 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual machineDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

Microsoft AzureUpgradeSearch resources, services, and docs (G+/)Copilotbhadrinathsivakumar@...DEFAULT DIRECTORY

HomeVirtual machines

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Public inbound ports	SSH
Azure Spot	No
Disks	
OS disk size	Image default
OS disk type	Premium SSD LRS
Use managed disks	Yes
Delete OS disk with VM	Enabled
Ephemeral OS disk	No
Networking	
Virtual network	(new) Bhadri-VM-vnet

< PreviousNext >Create

Download a template for automationGive feedback

Type here to search

NIFTY -0.13%ENG US02:30 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual maDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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

Copilot

bhadrinathsivakumar@...DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Networking

Virtual network	(new) Bhadri-VM-vnet
Subnet	(new) default (10.0.0.0/24)
Public IP	(new) Bhadri-VM-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

Management

Microsoft Defender for Cloud	None
------------------------------	------

< PreviousNext >Create

Download a template for automationGive feedback

Type here to search

NIFTY -0.13%ENG US02:30 PM26-11-2024

Cloud ComputingWelcome to AzureCreate Your AzureCreate Your AzureCreate a virtual maDocument.docx

portal.azure.com/#create/Microsoft.VirtualMachine-ARM

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

Copilot

bhadrinathsivakumar@...DEFAULT DIRECTORY

Home > Virtual machines >

Create a virtual machine

Validation passed

Help me create a low cost VMHelp me create a VM optimized for high availabilityHelp me choose the right VM size for my workload

Management

Microsoft Defender for Cloud	None
System assigned managed identity	Off
Login with Microsoft Entra ID	Off
Auto-shutdown	Off
Enable hotpatch	Off
Patch orchestration options	Image Default

Monitoring

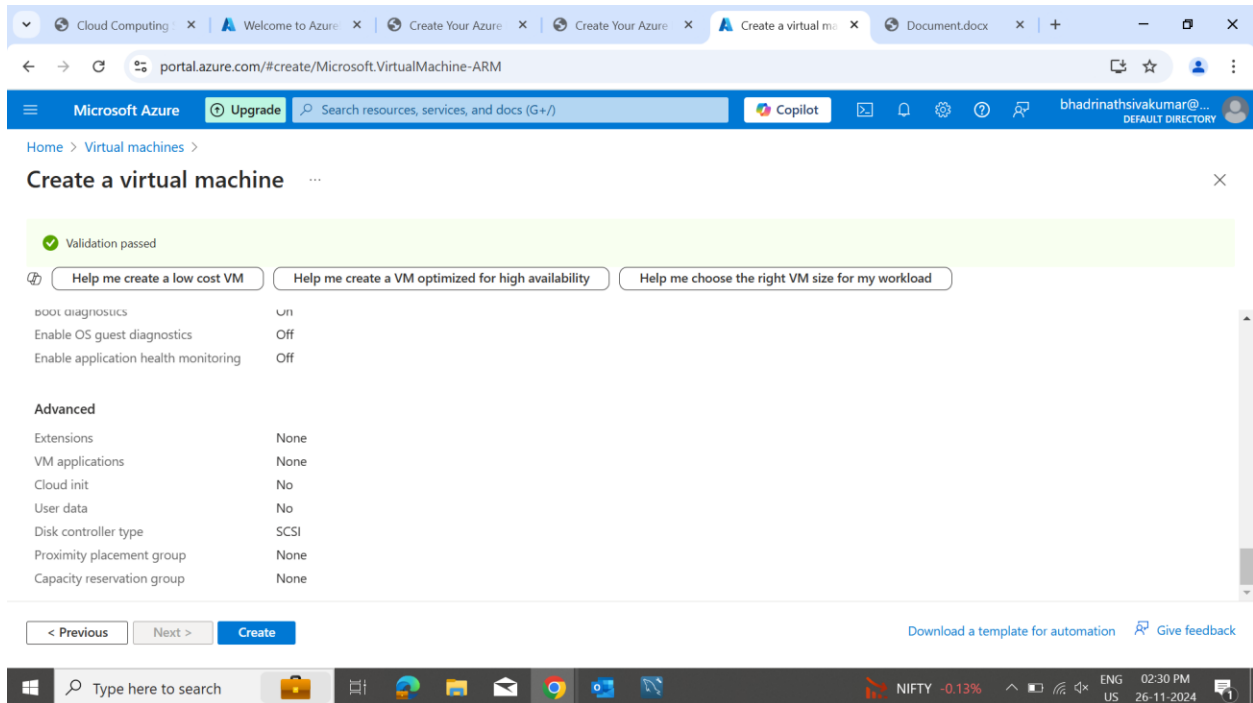
Alerts	Off
Boot diagnostics	On
Enable OS guest diagnostics	Off

< PreviousNext >Create

Download a template for automationGive feedback

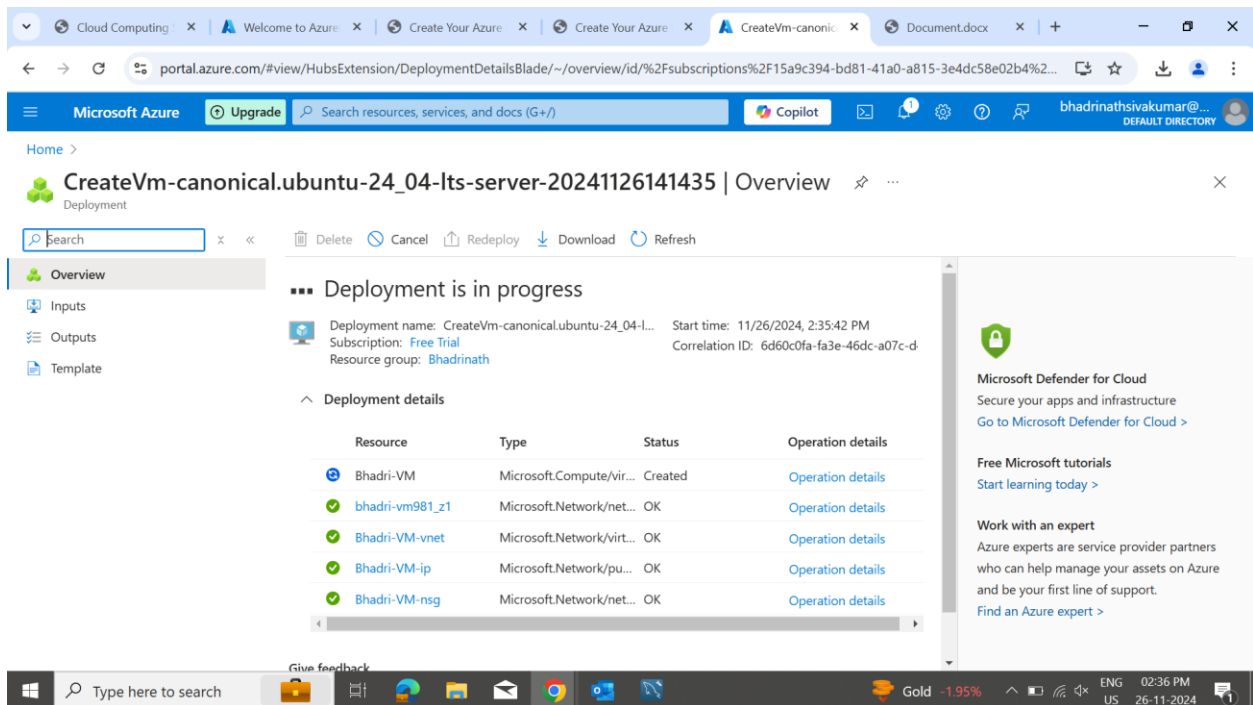
Type here to search

NIFTY -0.13%ENG US02:30 PM26-11-2024



Start Deployment:

→ After reviewing the configurations, click the **Create** button to begin the deployment process.



The screenshot shows the Azure portal interface for a deployment. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a Copilot icon. The user's profile is 'bhadrinathsvikumar@...'. The main heading is 'CreateVm-canonical.ubuntu-24_04-lts-server-20241126141435 | Overview'. A sidebar on the left lists 'Overview', 'Inputs', 'Outputs', and 'Template'. The main content area shows a green checkmark and the text 'Your deployment is complete'. Below this, deployment details are listed: 'Deployment name: CreateVm-canonical.ubuntu-24_04-l...', 'Subscription: Free Trial', 'Resource group: Bhadrinath', 'Start time: 11/26/2024, 2:35:42 PM', and 'Correlation ID: 6d60c0fa-fa3e-46dc-a07c-d...'. A 'Next steps' section lists 'Setup auto-shutdown', 'Monitor VM health, performance and network dependencies', and 'Run a script inside the virtual machine'. A 'Go to resource' button is present. A right-hand panel shows 'Cost Management' and 'Microsoft Defender for Cloud' sections. A top-right notification states 'Deployment succeeded'.

Completion:

→ Once the deployment is finished, the **overview** and **properties** of the virtual machine can be accessed.

The screenshot shows the Azure portal interface for a virtual machine. The top navigation bar is similar to the previous screenshot. The main heading is 'Bhadri-VM | Overview'. A sidebar on the left lists 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', 'Diagnose and solve problems', 'Connect', 'Networking', 'Settings', 'Availability + scale', 'Security', 'Backup + disaster recovery', 'Operations', and 'Monitoring'. The main content area shows a green checkmark and the text 'Help me copy this VM in any region'. Below this, a table of 'Essentials' is displayed. The table includes columns for 'Resource group', 'Status', 'Location', 'Subscription', 'Subscription ID', 'Availability zone', 'Operating system', 'Size', 'Public IP address', 'Virtual network/subnet', 'DNS name', 'Health state', and 'Time created'. The values are: 'Bhadrinath', 'Running', 'UK South (Zone 1)', 'Free Trial', '15a9c394-bd81-41a0-a815-3e4dc58e02b4', '1', 'Linux (ubuntu 24.04)', 'Standard B1s (1 vcpu, 1 GiB memory)', '20.108.64.189', 'Bhadri-VM-vnet/default', 'Not configured', and '11/26/2024, 9:05 AM UTC'.

Cloud Computing x Welcome to Azure x Create Your Azure x Create Your Azure x Bhadri-VM - Micro x Document.docx x + -

portal.azure.com/#@bhadrinathshivakumarmail.onmicrosoft.com/resource/subscriptions/15a9c394-bd81-41a0-a815-3e4dc58e02b4/resourcegroup...

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot bhadrinathshivakumar@... DEFAULT DIRECTORY

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20241126141435 | Overview >

Bhadri-VM Virtual machine

Search Help me copy this VM in any region

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

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Connect
- Networking
- Settings
- Availability + scale
- Security
- Backup + disaster recovery
- Operations
- Monitoring

Availability set - **Ephemeral OS disk** N/A

Scale Set - **Data disks** 0

Security

Security type	Trusted launch
Enable secure boot	Enabled
Enable vTPM	Enabled
Integrity monitoring	Disabled

Auto-shutdown

Auto-shutdown	Not enabled
Scheduled shutdown	-

Health monitoring

Health monitoring	Not enabled
-------------------	-------------

Extensions + applications

Extensions	-
Applications	-

Type here to search 26°C Rain showers ENG US 02:39 PM 26-11-2024

Cloud Computing x Welcome to Azure x Create Your Azure x Create Your Azure x Bhadri-VM - Micro x Document.docx x + -

portal.azure.com/#@bhadrinathshivakumarmail.onmicrosoft.com/resource/subscriptions/15a9c394-bd81-41a0-a815-3e4dc58e02b4/resourcegroup...

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot bhadrinathshivakumar@... DEFAULT DIRECTORY

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20241126141435 | Overview >

Bhadri-VM Virtual machine

Search Help me copy this VM in any region

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

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Connect
- Networking
- Settings
- Availability + scale
- Security
- Backup + disaster recovery
- Operations
- Monitoring

Host group - **Size**

Host - **Size** Standard B1s

Proximity placement group - **vCPUs** 1

Colocation status N/A **RAM** 1 GiB

Capacity reservation group -

Disk controller type SCSI

Azure Spot

Azure Spot	-
Azure Spot eviction policy	-

Source image details

Source image publisher	canonical
Source image offer	ubuntu-24_04-lts
Source image plan	server

Disk

OS disk	Bhadri-VM_disk1_6198fd30fe1a4fd5a034c6168cde842f
Encryption at host	Disabled
Azure disk encryption	Not enabled

Availability zone (edit) 1

Type here to search 26°C Rain showers ENG US 02:38 PM 26-11-2024

Cloud Computing x Welcome to Azure x Create Your Azure x Create Your Azure x Bhadri-VM - Micro x Document.docx x + -

portal.azure.com/#@bhadrinathsivakumarmail.onmicrosoft.com/resource/subscriptions/15a9c394-bd81-41a0-a815-3e4dc58e02b4/resourcegroup...

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot bhadrinathsivakumar@... DEFAULT DIRECTORY

Home > CreateVm-canonical.ubuntu-24_04-lts-server-20241126141435 | Overview >

Bhadri-VM

Virtual machine

Search

Help me copy this VM in any region

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

Availability set	-	Ephemeral OS disk	N/A
Scale Set	-	Data disks	0

Security

Security type	Trusted launch
Enable secure boot	Enabled
Enable vTPM	Enabled
Integrity monitoring	Disabled

Auto-shutdown

Auto-shutdown	Not enabled
Scheduled shutdown	-

Health monitoring

Health monitoring	Not enabled
-------------------	-------------

Extensions + applications

Extensions	-
Applications	-

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Connect
- Networking
- Settings
- Availability + scale
- Security
- Backup + disaster recovery
- Operations
- Monitoring

Type here to search

26°C Rain showers ENG US 02:39 PM 26-11-2024

Cloud Computing x Welcome to Azure x Create Your Azure x Create Your Azure x Delete Resources x Document.docx x + -

portal.azure.com/#view/HubsExtension/BrowseResource/resourceType/Microsoft.Compute%2FVirtualMachines

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot bhadrinathsivakumar@... DEFAULT DIRECTORY

Home >

Virtual machines

Default Directory

+ Create Switch to classic Reservations Manage view Refresh Export to C

Filter for any field... Subscription equals all Type equals all Resource group equals all

Showing 1 to 1 of 1 records.

Subscription	Resource group	Location	Status	Oper
Free Trial	Bhadrinath	UK South	Stopped (deallocated)	Linux

< Previous Page 1 of 1 Next >

Delete Resources

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.

Resources to be deleted (1)

Name	Resource type
Bhadri-VM	VirtualMachine

☒ Apply force delete for selected Virtual machines and Virtual machine scale sets

Enter "delete" to confirm deletion *

delete

Delete Cancel

26°C Rain showers ENG US 02:41 PM 26-11-2024