


1. Creating a Virtual Machine -----> Sign in to the Azure account and then search for Virtual Machine.

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](#)

 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

2. It is a basic section -----> In Where it firstly ask for Subscription and Resource group.

Instance details

Virtual machine name * ⓘ

DeviDharsana

Region * ⓘ

(Europe) UK South

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

3. And ask Virtual machine name, region, Availability,Zone details.

Availability zone * ⓘ

Zone 1


 You can now select multiple zones. Selecting multiple zones will create one VM per zone. [Learn more](#)

Security type ⓘ

Trusted launch virtual machines

[Configure security features](#)

Image * ⓘ

 Ubuntu Server 24.04 LTS - x64 Gen2 (free services eligible)

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

VM architecture ⓘ

- ☐ Arm64
- ☒ x64

Run with Azure Spot discount ⓘ ☐

4. Ask for -----> Security type, Which Server, Architecture

5. Size -->Always chose for free Service

Size * ⓘ	Standard_B1s - 1 vcpu, 1 GiB memory (₹716.64/month) (free services eligible) ▾ See all sizes
Enable Hibernation ⓘ	<input type="checkbox"/> <div>i Hibernation does not currently support Trusted launch and Confidential virtual machines for Linux images. Learn more ↗</div>
Administrator account	
Authentication type ⓘ	<input checked="" type="radio"/> SSH public key

6. Authentication -----> It asks for authentication Purpose, whether Azure itself create the password or a customized password.

Customized Password is chargeable

Administrator account	
Authentication type ⓘ	<input checked="" type="radio"/> SSH public key <input type="radio"/> Password <div>i 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.</div>
Username * ⓘ	Azuredemo ✓
SSH public key source	Generate new key pair ▾
SSH Key Type	<input checked="" type="radio"/> RSA SSH Format <input type="radio"/> Ed25519 SSH Format

7. Ask VM disk encryption ----> Here for OS disk type we must change to Premium to Standard.

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 ⓘ

☐

i 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) ▼

8. Make it as default.

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 DeviDharsana

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](#)


9. Network Page --> Make default in this column it will create the subnet and public IP.

Network interface

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

Virtual network * ⓘ	<div>(new) DeviDharsana-vnet</div> <div>Create new</div>
Subnet * ⓘ	<div>(new) default (10.0.0.0/24)</div>
Public IP ⓘ	<div>(new) DeviDharsana-ip</div> <div>Create new</div>
NIC network security group ⓘ	<div><input type="radio"/> None</div> <div><input checked="" type="radio"/> Basic</div> <div><input type="radio"/> Advanced</div>

10. Create public ports ----> In select inbound ports you can either select Http or SSH or both.

Public inbound ports * ⓘ	<div><input type="radio"/> None</div> <div><input checked="" type="radio"/> Allow selected ports</div>
Select inbound ports *	<div>HTTP (80), SSH (22)</div>
<div> 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.</div>	
Delete public IP and NIC when VM is deleted ⓘ	<input checked="" type="checkbox"/>
Enable accelerated networking ⓘ	<input type="checkbox"/>

11. Load balancing -----> Make default.

Enable accelerated networking ⓘ

☐

i The resource provider 'Microsoft.Network' should be registered in order to enable accelerated networking. [Learn more](#) ↗

Load balancing

You can place this virtual machine in the backend pool of an existing Azure load balancing solution. [Learn more](#) ↗

Load balancing options ⓘ

- ☒ None
- ☐ Azure load balancer
Supports all TCP/UDP network traffic, port-forwarding, and outbound flows.
- ☐ Application gateway
Web traffic load balancer for HTTP/HTTPS with URL-based routing, SSL termination, session persistence, and web application firewall.

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Next : Management >

Review + create

12. Management ----> Make as default.

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](#) ↗

✔ Your subscription is protected by Foundational Cloud Security Posture Management Free Plan.

Identity

Enable system assigned managed identity ⓘ

☐

Microsoft Entra ID

Microsoft Entra ID

Login with Microsoft Entra ID ⓘ

☐

ⓘ 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

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

13. Monitoring -----> make default

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

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

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Next : Tags >

Review + create

User data

Pass a script, configuration file, or other data that will be accessible to your applications throughout the lifetime of the virtual machine. Don't use user data for storing your secrets or passwords. [Learn more about user data for VMs](#) ↗

Enable user data

☐

Performance (NVMe)

Enable capabilities to enhance the performance of your resources.

Higher remote disk storage performance with NVMe ⓘ

☐

i The selected size is not supported for NVMe. [See supported size families](#) ↗

Host

Azure Dedicated Hosts allow you to provision and manage a physical server within our data centers that are dedicated to your Azure subscription. A dedicated host gives you assurance that only VMs from your subscription are on the host. flexibility to

< Previous

Next : Tags >

Review + create

14.Tags -----> Make as default.

Basics Disks Networking Management Monitoring Advanced Tags Review + create

Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#) ↗

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name ⓘ	Value ⓘ	Resource
<input type="text"/>	: <input type="text"/>	14 selected ▼

15.Review and Create.

Basics Disks Networking Management Monitoring Advanced Tags Review + create


Price

1 X Standard B1s
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ
0.9817 INR/hr
[Pricing for other VM sizes](#)

provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

Name	<input type="text" value="devi dharsana"/>
Preferred e-mail address	<input type="text" value="dharsana.619@gmail.com"/>
Preferred phone number	<input type="text"/>

 **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.

16.Shows preview.

Basics

Subscription	Free Trial
Resource group	(new) IAS
Virtual machine name	DeviDharsana
Region	UK South
Availability options	Availability zone
Zone options	Self-selected zone
Availability zone	1
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	Azuredemo
SSH Key format	RSA
Key pair name	DeviDharsana_key
Public inbound ports	SSH, HTTP
Azure Spot	No

Disks

OS disk size	Image default
OS disk type	Standard SSD LRS
Use managed disks	Yes
Delete OS disk with VM	Enabled
Ephemeral OS disk	No

Networking

Virtual network	(new) DeviDharsana-vnet
Subnet	(new) default (10.0.0.0/24)
Public IP	(new) DeviDharsana-ip

Accelerated networking	Off
Place this virtual machine behind an existing load balancing solution?	No
Delete public IP and NIC when VM is deleted	Enabled

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

Monitoring

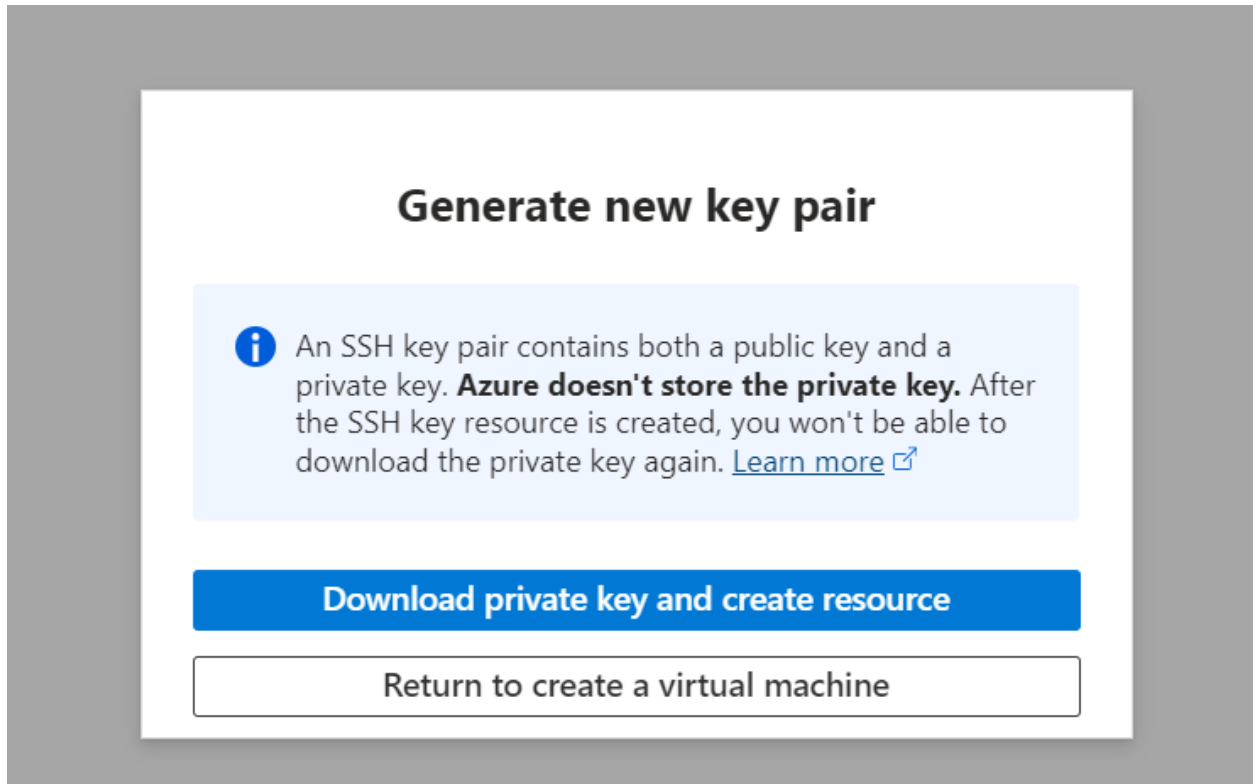
Alerts	Off
Boot diagnostics	On
Enable OS guest diagnostics	Off
Enable application health monitoring	Off

Advanced




Extensions	None
VM applications	None
Cloud init	No
User data	No

Disk controller type	SCSI
Proximity placement group	None
Capacity reservation group	None

17. Click private key and create resource.



18.


 **CreateVm-canonical.ubuntu-24_04-lts-server-20241123095219** | Overview  


Deployment


Search


×


«


 Delete


 Cancel


 Redeploy


 Download


 Refresh

 Overview

 Inputs

 Outputs






 Template

 Deployment name: CreateVm-canonical.ubuntu-24_04-... Start time: 11/23/2024, 10:09:10 AM

Subscription: [Free Trial](#) Correlation ID: 2bf3a4ff-a2b9-4c41-8a9c-6

Resource group: [IAS](#)

Deployment details

Resource	Type	Status	Operation details
 DeviDharsana	Microsoft.Compute/vir...	Created	Operation details
 devidharsana791_z1	Microsoft.Network/net...	OK	Operation details
 DeviDharsana-vnet	Microsoft.Network/virt...	OK	Operation details
 DeviDharsana-nsg	Microsoft.Network/net...	OK	Operation details
 DeviDharsana-ip	Microsoft.Network/pu...	OK	Operation details



CreateVm-canonical.ubuntu-24_04-lts-server-20241123095219 | Overview

Deployment



Search



Delete



Cancel



Redeploy



Download



Refresh



Overview



Inputs



Outputs



Template



Your deployment is complete



Deployment name: CreateVm-canonical.ubuntu-24_04-...

Start time: 11/23/2024, 10:09:10 AM

Subscription: [Free Trial](#)

Correlation ID: 2bf3a4ff-a2b9-4c41-8a9c-6

Resource group: [IAS](#)



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](#)

Virtual machines



Default Directory



Create



Switch to classic



Reservations



Manage view



Refresh



Export to CSV



Open query



Assign tags



Start



Restart



Stop

Filter for any field...

Subscription equals all

Type equals all

Resource group equals all

Location equals all

Add filter

Showing 1 to 1 of 1 records.

No grouping

List view

Name

Subscription

Resource group

Location

Status

Operating system

Size

Public IP address

DeviDharsana

Free Trial

IAS

UK South

Running

Linux

Standard_B1s

20.77.104.77



Create



Switch to classic



Reservations



Manage view



Refresh



Export to CSV



Open query



Assign tags



Start



Restart



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DeviDharsana

Free Trial

IAS

UK South

Running

Linux

Standard_B1s

20.77.104.77

Delete

Services

Maintenance


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	
DeviDharsana	VirtualMachine	Remove

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

Enter "delete" to confirm deletion *

DeleteCancel

to be deleted (1)

Resource type

Delete confirmation

Deleting the selected resources and their internal data is a permanent action and cannot be undone.

Delete

Go back