

TITLE : AZURE VIRTUAL MACHINE

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PRACTICE : IAS – APP SUPPORT

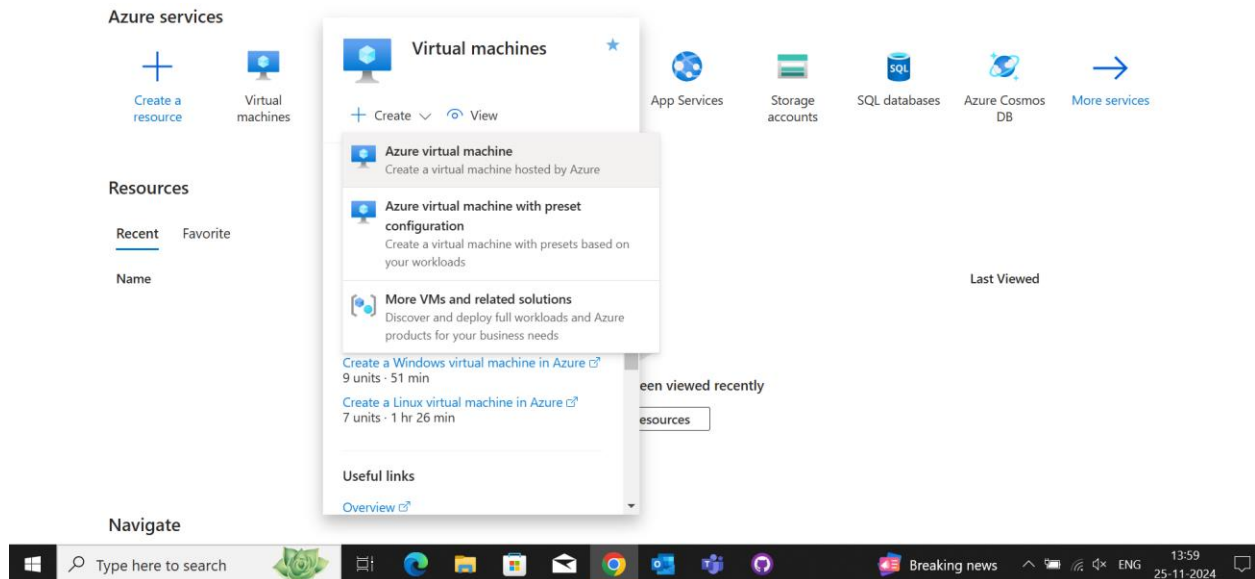
CREATED ON : 23.11.2024

MODIFY ON : 25.11.2024

REVIEWED BY :

REVIEWED ON:

1. Create an account on Azure and to create a new virtual machine have to click “ Create “



2. Choose Azure virtual machine in given options, and give a name for resource group and virtual machine name

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

Subscription \* ⓘ Free Trial

Resource group \* ⓘ (New) Demo\_VM  
[Create new](#)

**Instance details**

Virtual machine name \* ⓘ MadheshN ✓


Region \* ⓘ (Asia Pacific) Australia East

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.

< Previous | Next: Disks > | Review + create

[Give feedback](#)



3. Set security type as Standard

Home > Virtual machines >

## Create a virtual machine

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

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 ⓘ ☐

< Previous | Next: Disks > | Review + create

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#### 4. Set OS disk type as Standard HDD

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

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot Sbharath122002@gmail... DEFAULT DIRECTORY

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

NOTE: 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

OS disk type \*

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.

< Previous Next : Networking > Review + create Give feedback

Type here to search 30°C Mostly cloudy 14:11 25-11-2024

## 5. Proceed with Review & Create Tab

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 B1ls  
by Microsoft  
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ  
**0.5491 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

< Previous | Next > | **Create**

[Download a template for automation](#) | [Give feedback](#)

Windows taskbar: Type here to search, 30°C Mostly cloudy, 14:13 25-11-2024

## 6. Download a private key and create resource

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

Price

1 X Standard B1ls  
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Subscription credits apply ⓘ  
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< Previous | Next > | **Create**

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#### Generate new key pair

An SSH key pair contains both a public key and a private key. **Azure doesn't store the private key.** After the SSH key resource is created, you won't be able to download the private key again. [Learn more](#)

**Download private key and create resource**

Return to create a virtual machine

Windows taskbar: Type here to search, 30°C Mostly cloudy, 14:13 25-11-2024

## 7. Virtual machine has been created successfully

The screenshot displays the Azure portal interface for a deployment named "CreateVm-canonical.ubuntu-24\_04-lts-server-20241125140941". The main heading is "Overview". On the left, a sidebar lists navigation options: Overview (selected), Inputs, Outputs, and Template. The top navigation bar includes "Home >" and a search bar. Below the search bar, there are action buttons: Delete, Cancel, Redeploy, Download, and Refresh. The main content area features a green checkmark icon and the text "Your deployment is complete". Below this, it shows the deployment name, subscription ("Free Trial"), resource group ("Demo\_VM"), start time ("11/25/2024, 2:13:43 PM"), and correlation ID ("9cae8d4c-6845-4c98-a15a-d"). A section titled "Next steps" lists three recommended actions: "Setup auto-shutdown", "Monitor VM health, performance and network dependencies", and "Run a script inside the virtual machine". At the bottom of this section are two buttons: "Go to resource" and "Create another VM". On the right side, there are three informational cards: "Cost Management" (with a dollar sign icon), "Microsoft Defender for Cloud" (with a shield icon), and "Free Microsoft tutorials" (with a play icon). The bottom of the screen shows a Windows taskbar with various application icons, a search bar, and system information including the date and time ("14:16 25-11-2024").

Home >

CreateVm-canonical.ubuntu-24\_04-lts-server-20241125140941 | Overview

Deployment

Search

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name: CreateVm-canonical.ubuntu-24\_04-lts-server-20241125140941 Start time: 11/25/2024, 2:13:43 PM  
Subscription: [Free Trial](#) Correlation ID: 9cae8d4c-6845-4c98-a15a-d  
Resource group: [Demo\\_VM](#)

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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[Set up cost alerts >](#)

Microsoft Defender for Cloud

Secure your apps and infrastructure  
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Free Microsoft tutorials

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Type here to search

30°C Mostly cloudy

14:16 25-11-2024