

## Creating a virtual machine using Window image and Linux Image

→ Create a resource group with any name and mention region we want to specify

Create a resource group

Basics Tags Review + create

Resource group - A container that holds related resources for an Azure solution. The resource group can include all the resources for the solution, or only those resources that you want to manage as a group. You decide how you want to allocate resources to resource groups based on what makes the most sense for your organization. [Learn more](#)

Subscription \* Azure subscription 1

Resource group name \* sai-rg

Region \* (US) Central US

Previous Next Review + create

→ Creating a virtual network mention the virtual network name

Create virtual network

Basics Security IP addresses Tags Review + create

Project details

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

Subscription \* Azure subscription 1

Resource group \* sai-rg [Create new](#)

Instance details

Virtual network name \* Windows\_server

Region \* (Asia Pacific) Central India

Deploy to an Azure Extended Zone

Previous Next Review + create Give feedback

→ Click on Ip address named and mention the IP address (10.0.0.0/16) By default it is available in azure.

→ Finally check the review and click on create

→ After that deployment we see this image as deployment as complete

**Windows\_server-1768971206926 | Overview**

**Your deployment is complete**

Deployment name : Windows\_server-1768971206926  
Subscription : Azure subscription 1  
Resource group : sai-rg

Start time : 1/21/2026, 10:23:38 AM  
Correlation ID : 14210f5c-17a1-437a-a97e-bc3fe2a61106

**Deployment details**

**Cost management**  
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→ By default subnet will be created.

→ This is our complete information about our Vnet.

**Windows\_server**

**Virtual network**

**Overview**

Resource group (move) : sai-rg  
Location (move) : Central India  
Subscription (move) : Azure subscription 1  
Subscription ID : a3107e0d-376f-4650-b383-aa7b2b3c09a  
Tags (edit) : Add tags

Address space : 10.0.0.0/16  
Subnets : 1 subnet  
DNS servers : Azure provided DNS service  
BGP community string : Configure  
Virtual network ID : 7ccb34a4-dc33-49ee-8abe-30fa1d1138fb

**Capabilities (5)**

- DDoS protection**: Configure additional protection from distributed denial of service attacks. (Not configured)
- Azure Firewall**: Protect your network with a stateful L3-L7 firewall. (Not configured)
- Peergings**: Seamlessly connect two or more virtual networks. (Not configured)
- Private endpoints**
- Microsoft Defender for Cloud**: Strengthen the security posture of your environment. (Not configured)

→ Then search for virtual machine in the search bar.

→ Click on create and select virtual machine

**Compute infrastructure | Virtual machines**

**No virtual machines**  
Create a virtual machine that runs Linux or Windows. Select an customized image.

**Create** | **Reservations** | **Manage view** | **Refresh** | **Export to CSV** | **Open query** | **Assign tags** | **Start** | **Restart** | **Stop** | **...**

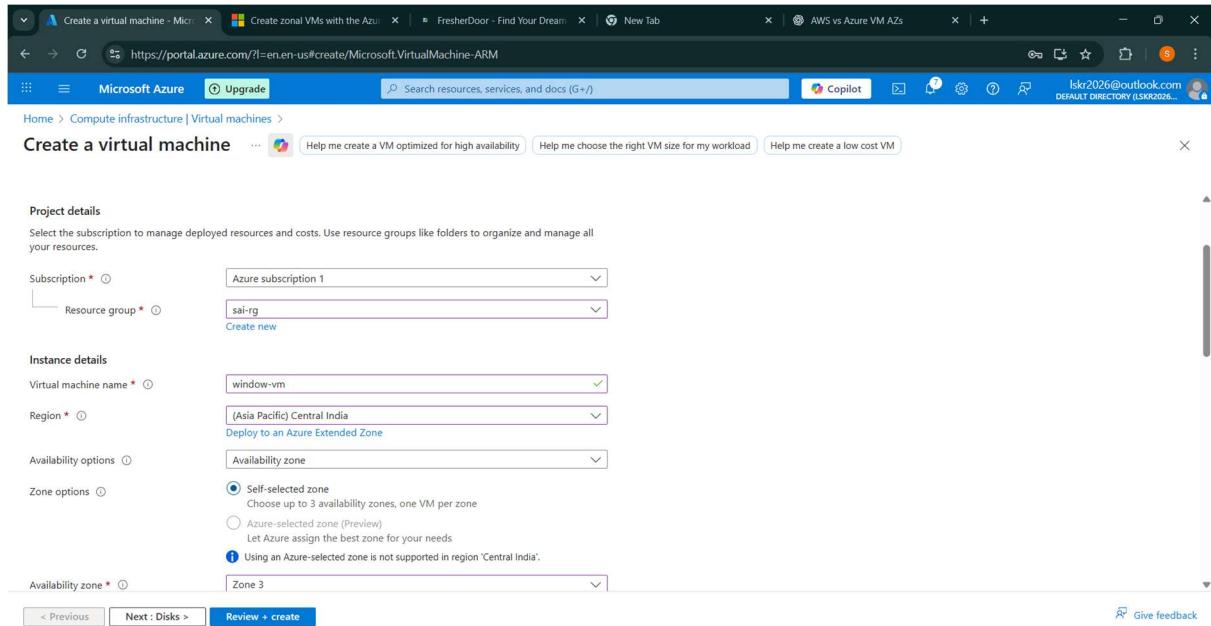
**Virtual machine**  
Best for lower-traffic workloads, testing, or to control or highly customize apps, OS, or file system. If your workload or traffic starts to grow, a VM can later be attached to a Virtual Machine Scale Set (VMSS).

**Virtual machine scale set (VMSS)**  
Built-in scaling, performance optimization, load balancing, and batch management for 1 to 1,000 VMs (no added cost). Include multiple VM sizes, zones, regions, and domains, along with discounted Spot VMs.

**Presets**  
Create a pre-configured VM designed to optimize memory, capacity, or for general use. Deploy as-is, or customize as needed.

**Hybrid, preconfigured, and high volume solutions**  
Explore pre-configured Starter kits for Linux and Windows, Azure Arc hybrid infrastructure solutions, and more.

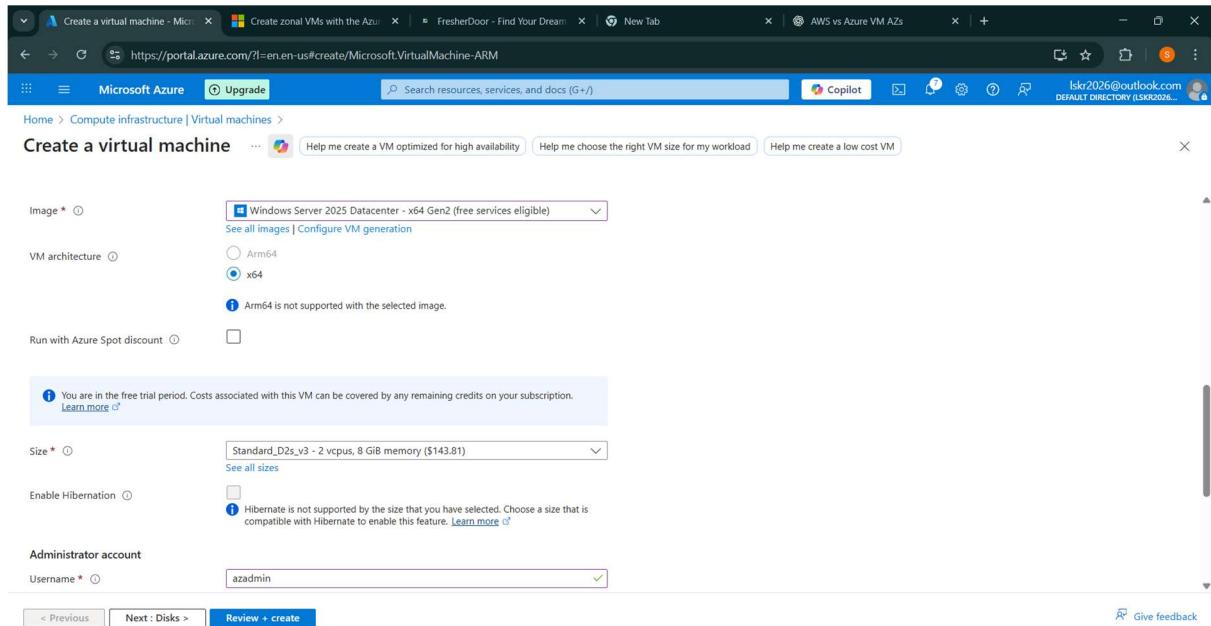
→ Enter the virtual machine , select resource group, region and availabilityzone



→ Select Image and create username and password to login into the machine

→ Then click on create + Review

→ Check the review and click create



→ VM will be created after some time

→ We see deployment in progress before creating the vm

→ When we create one VM It automatically creates

- Public IP
- Network Interface Card
- Network Security Group

→This is the public Ip 4.186.28.101

The screenshot shows the Microsoft Azure portal interface. On the left, there's a sidebar with various navigation options like Activity log, Access control (IAM), Tags, Diagnose and solve problems, Resource visualizer, Connect, Networking, Settings, Availability + scale, Security, Backup + disaster recovery, Operations, Monitoring, Automation, and Help. The main area displays a virtual machine named 'window-vm' which is currently running. The 'Networking' section shows the Public IP address as 4.186.28.101. A tooltip or context menu is open over this IP address, with the option 'Copy to clipboard' highlighted.

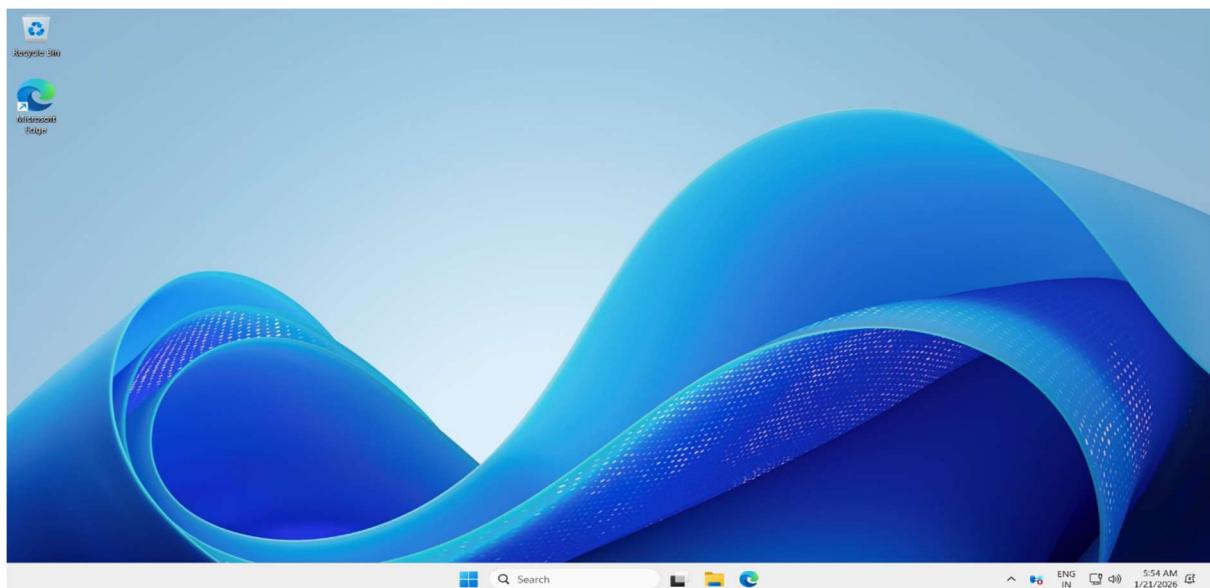
→Search RDP in our computer and open with public IP



→Click on connect and select another account

→Enter Username and password you have mentioned while creating

→Then click on yes you have seen your remote desktop Like this



→Delete Vm after using and select disk, Network Interface and public IP finally click on delete.

Delete window-vm

This action will permanently delete the virtual machine and is irreversible even if delete operation fails.

Resource to be deleted	Resource type
window-vm	Virtual machine

Apply force delete (This virtual machine can be safely force deleted because all of its associated resources are being deleted.)

You can also choose to delete associated resources at the same time. Resources that aren't deleted will be orphaned. Associated resources that are in use by other resources are not shown here.

Associated resource type	Quantity	Delete with VM
OS disk	1	<input checked="" type="checkbox"/>
Network interfaces	1	<input checked="" type="checkbox"/>
Public IP addresses	1	<input checked="" type="checkbox"/>

I have read and understand that this virtual machine as well as any selected associated resources listed above will be deleted.

**Delete** **Cancel** **Feedback**

→Creating a virtual machine with linux image

→Select availability options as No infrastructure redundancy required

→Click on password and create username and password

Create a virtual machine

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

Subscription: Azure subscription 1  
Resource group: sai-rg

**Instance details**

Virtual machine name: linux-vm  
Region: (Asia Pacific) Central India  
Availability options: No infrastructure redundancy required  
Security type: Trusted launch virtual machines  
Image: Ubuntu Server 24.04 LTS - x64 Gen2 (free services eligible)  
VM architecture: Arm64

< Previous **Next : Disks >** Review + create **Give feedback**

Create a virtual machine

**Administrator account**  
Authentication type: Password  
Username: azadmin  
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: Allow selected ports  
Select inbound ports: SSH (22)

**Note:** 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.

< Previous **Next : Disks >** Review + create **Give feedback**

→ Finally click on review + create and create.

→ Copy Public IP, Open Mobaxterm and login into machine with username and password

The screenshot shows the Azure portal interface for a virtual machine named "linux-vm". The "Overview" tab is selected. Key details shown include:

- Resource group: sai-rg
- Status: Running
- Location: Central India
- Subscription: Azure subscription 1
- Subscription ID: a3107e0d-376f-4650-b383-aa7b2b3c0c9a
- Operating system: Linux (Ubuntu 24.04)
- Size: Standard Dv2 (8 GiB memory)
- Primary NIC public IP: 74.225.164.84 (1 associated public IPs)
- DNS name: Not configured
- Health state: -
- Time created: 1/21/2026, 6:12 AM UTC

The "Networking" section shows:

- Public IP address: 74.225.164.84 (Network interface linux-vm906)
- 1 associated public IPs
- Public IP address (IPv6): -
- Private IP address: 172.20.0.4

→ Click on New Session

→ Click on SSH

→ Enter public IP as Remote host and Username as you have given then enter password.

→ After login into machine we see this.

The screenshot shows a terminal window titled "74.225.164.84 (azadmin)". The session is connected via SSH to the IP address 74.225.164.84. The terminal displays the following information:

- Welcome message: Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1017-azure x86\_64)
- System documentation: Documentation: <https://help.ubuntu.com>
- Management: Management: <https://landscape.canonical.com>
- Support: Support: <https://ubuntu.com/pro>
- System information: System information as of Wed Jan 21 06:14:40 UTC 2026
- System load: System load: 0.26
- Memory usage: Memory usage: 4%
- Swap usage: Swap usage: 0%
- Security status: Expanded Security Maintenance for Applications is not enabled.
- Update status: 0 updates can be applied immediately.
- ESM status: Enable ESM Apps to receive additional future security updates. See <https://ubuntu.com/esm> or run: sudo pro status
- Update history: The list of available updates is more than a week old. To check for new updates run: sudo apt update
- Root access: /usr/bin/xauth: file /home/azadmin/.Xauthority does not exist. To run a command as administrator (user "root"), use "sudo <command>". See "man sudo\_root" for details.
- File transfer: Remote monitoring
- Session status: azadmin@linux-vm:~\$

The bottom of the terminal shows system monitoring metrics: Linux-vm, 100%, 0.53 GB / 7.71 GB, 0.10 Mb/s, 0.03 Mb/s, 65 min, azadmin, /: 6%, /boot: 8%, /boot/efi: 6%, /mnt: 1%.