

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

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

The screenshot shows the 'Create a resource group' page in the Microsoft Azure portal. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: Home > Create a resource group. The main heading is 'Create a resource group'. There are three tabs: Basics, Tags, and Review + create. The Basics tab is selected. Below the tabs, there's a description of a resource group. Then, there are three form fields: 'Subscription' (dropdown menu showing 'Azure subscription 1'), 'Resource group name' (text input field containing 'sai-rg'), and 'Region' (dropdown menu showing '(US) Central US'). At the bottom, there are three buttons: 'Previous', 'Next', and 'Review + create'.

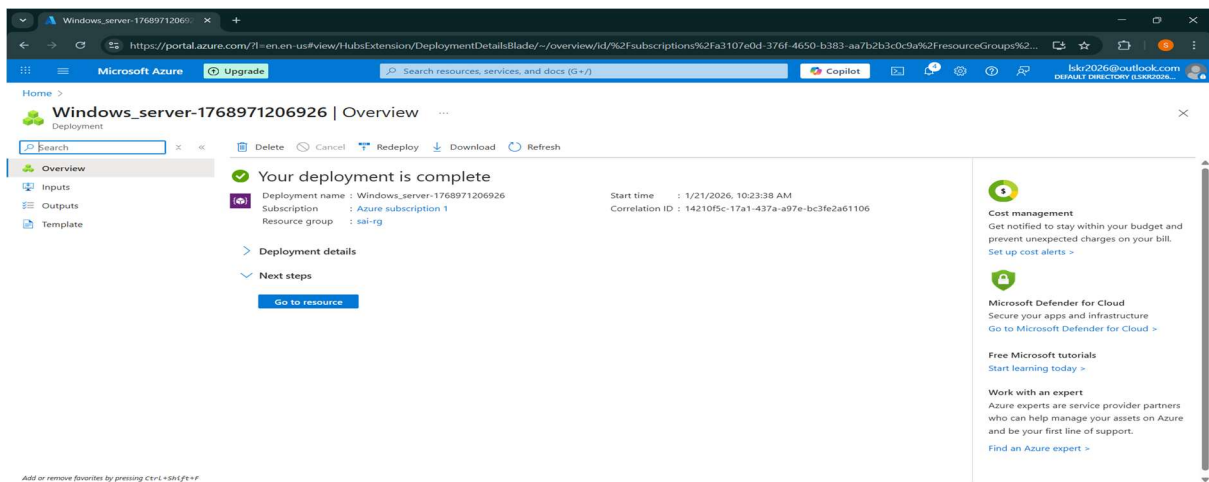
→ Creating a virtual network mention the virtual network name

The screenshot shows the 'Create virtual network' page in the Microsoft Azure portal. The page has a blue header with the Microsoft Azure logo and a search bar. Below the header, there's a breadcrumb trail: Home > Network foundation > Virtual networks > Create virtual network. The main heading is 'Create virtual network'. There are five tabs: Basics, Security, IP addresses, Tags, and Review + create. The Basics tab is selected. Below the tabs, there's a section titled 'Project details' with a description. Then, there are two form fields: 'Subscription' (dropdown menu showing 'Azure subscription 1') and 'Resource group' (dropdown menu showing 'sai-rg'). Below these, there's a section titled 'Instance details' with two form fields: 'Virtual network name' (text input field containing 'Windows\_server') and 'Region' (dropdown menu showing '(Asia Pacific) Central India'). At the bottom, there are three buttons: 'Previous', 'Next', and 'Review + create'. There is also a 'Give feedback' link at the bottom right.

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

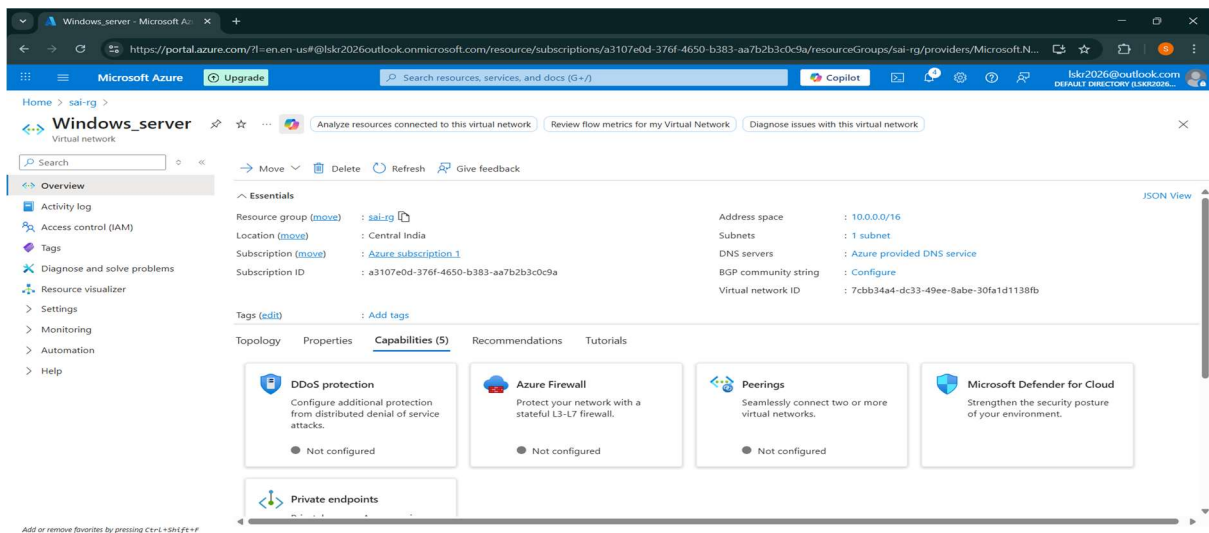
→ Finally check the review and click on create

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



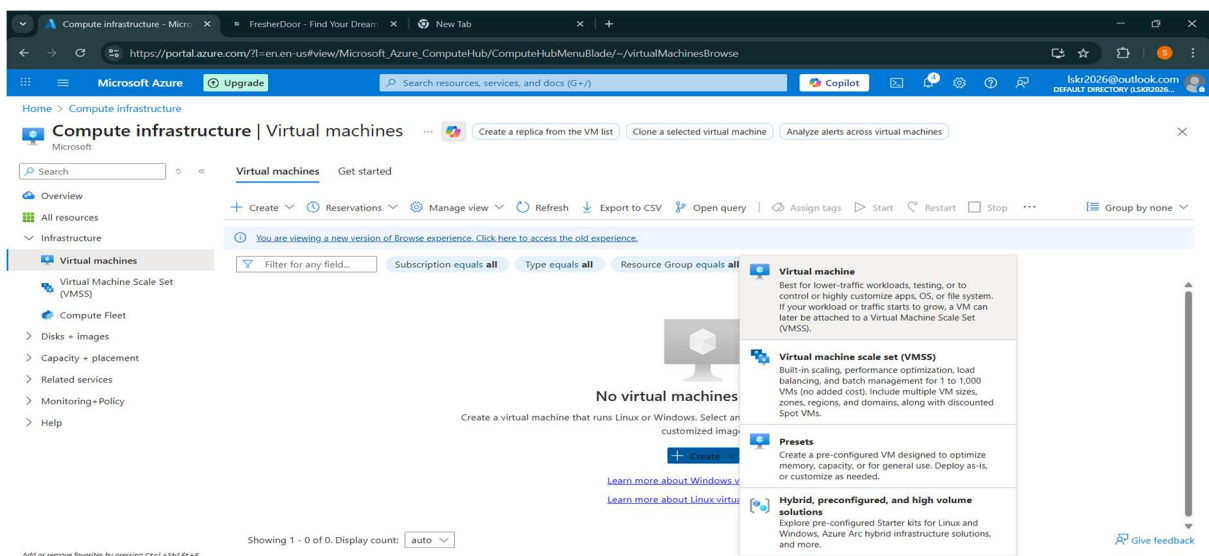
→By default subnet will be created.

→This is our complete information about our Vnet.



→Then search for virtual machine in the search bar.

→Click on create and select virtual machine



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

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal. The page is titled 'Create a virtual machine' and has a breadcrumb trail: Home > Compute infrastructure | Virtual machines >. Below the title are three help links: 'Help me create a VM optimized for high availability', 'Help me choose the right VM size for my workload', and 'Help me create a low cost VM'. The 'Project details' section is active, showing fields for 'Subscription' (Azure subscription 1), 'Resource group' (sal-rg), and 'Virtual machine name' (window-vm). The 'Region' is set to '(Asia Pacific) Central India'. Under 'Availability options', 'Availability zone' is selected. The 'Zone options' section shows 'Self-selected zone' as the selected option, with a note that 'Using an Azure-selected zone is not supported in region 'Central India''. The 'Availability zone' is set to 'Zone 3'. At the bottom, there are navigation buttons: '< Previous', 'Next > Disks', and 'Review + create'. A 'Give feedback' link is also present.

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

→ Then click on create + Review

→ Check the review and click create

The screenshot shows the 'Create a virtual machine' page in the Microsoft Azure portal, Step 2: Image and configuration. The 'Image' is set to 'Windows Server 2025 Datacenter - x64 Gen2 (free services eligible)'. The 'VM architecture' is set to 'x64'. The 'Run with Azure Spot discount' checkbox is unchecked. A message states: 'You are in the free trial period. Costs associated with this VM can be covered by any remaining credits on your subscription. Learn more'. The 'Size' is set to 'Standard\_D2s\_v3 - 2 vcpus, 8 GiB memory (\$143.81)'. The 'Enable Hibernation' checkbox is unchecked, with a note: 'Hibernation is not supported by the size that you have selected. Choose a size that is compatible with Hibernation to enable this feature. Learn more'. The 'Administrator account' section shows the 'Username' as 'azadmin'. At the bottom, there are navigation buttons: '< Previous', 'Next > Disks', and 'Review + create'. A 'Give feedback' link is also present.

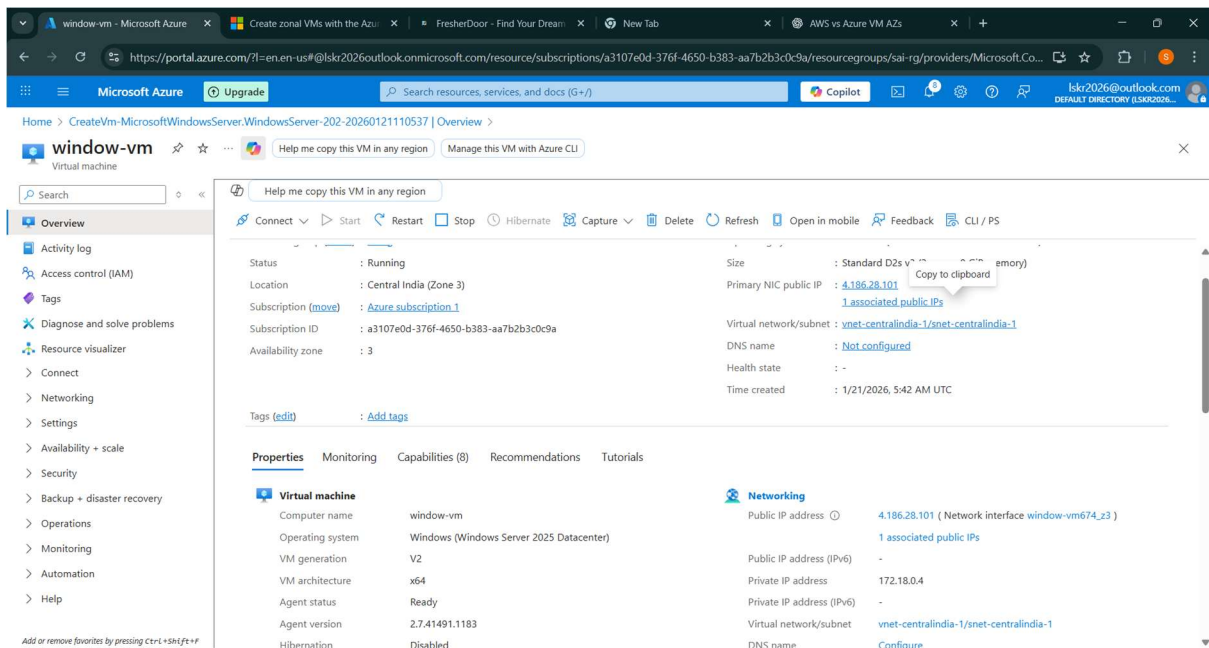
→ VM will be created after some time

→ 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



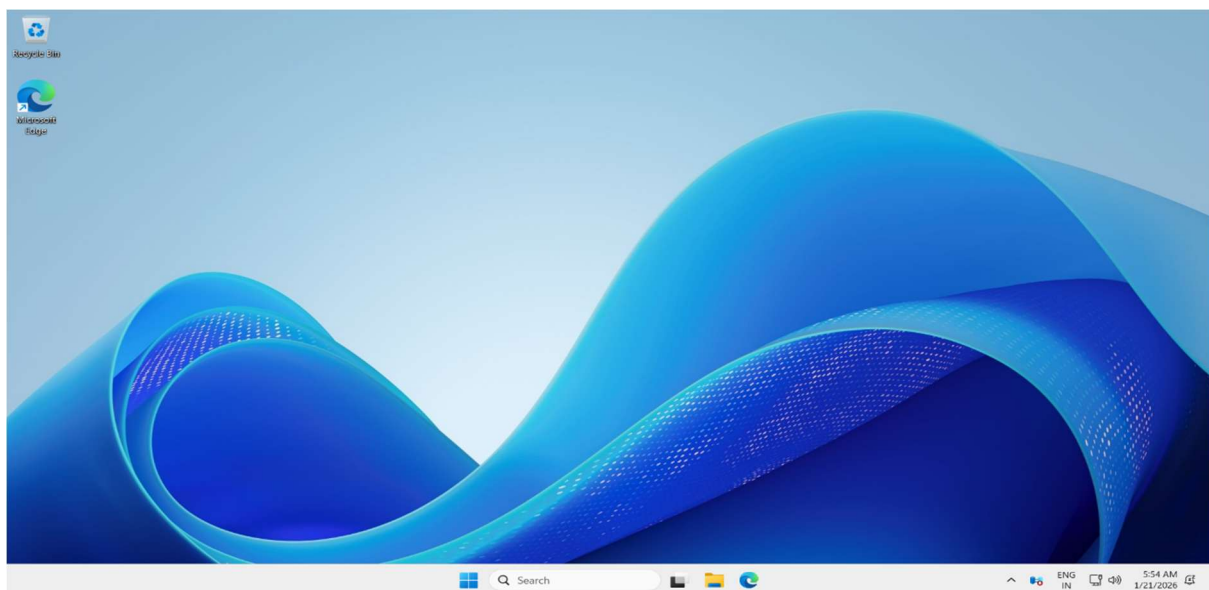
→ Search RDP in our computer and open with public IP



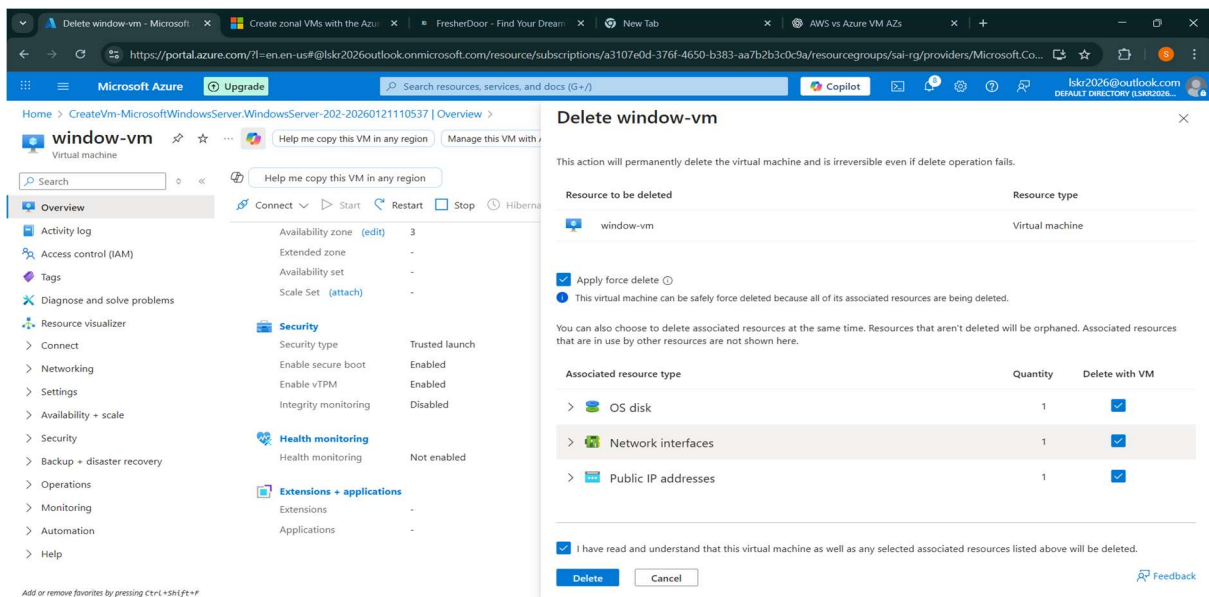
→ Click on connect and select another account

→ Enter Username and password you have mentioned while creating

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



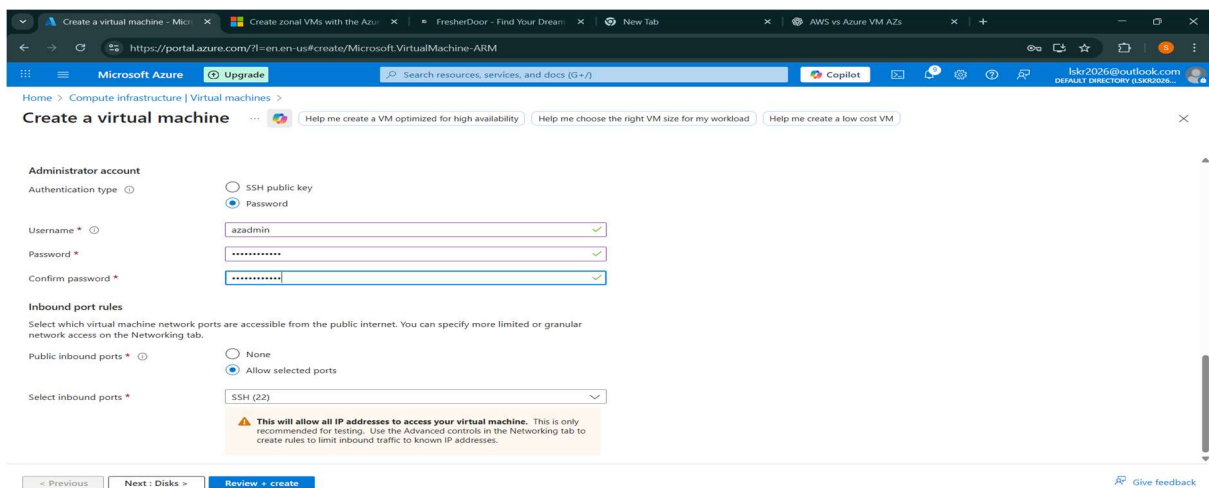
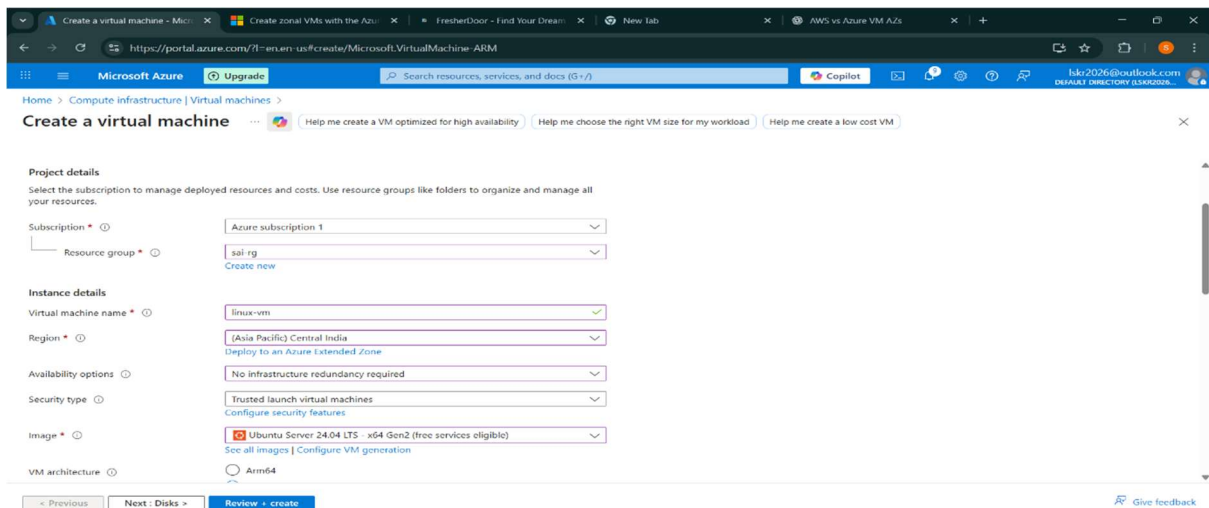
→ Delete Vm after using and select disk, Network Interface and public IP finally click on delete.



→ Creating a virtual machine with linux image

→ Select availability options as No infrastructure redundancy required

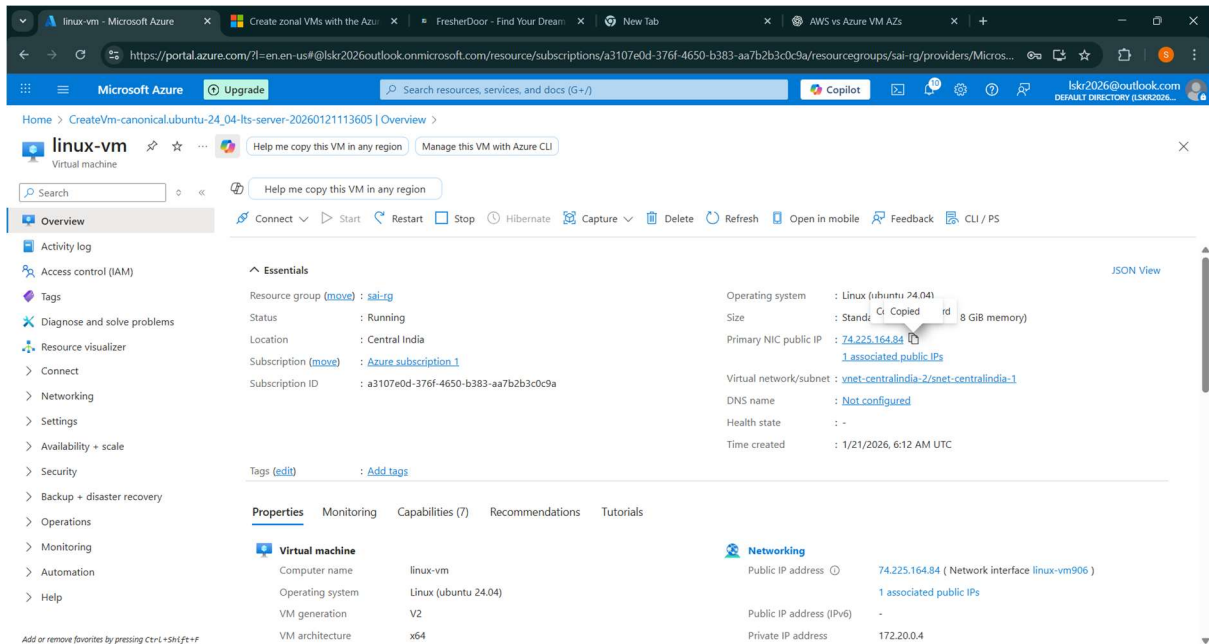
→ Click on password and create username and password





→ Finally click on review + create and create.

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



→ 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.

