1. Create a Virtual Network in West US:

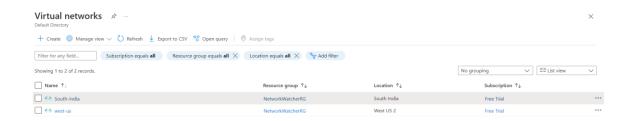- **In Azure Portal**:

    1. Go to "Virtual networks."

    2. Click on "Create."

    3. Select the **West US** region.

    4. Define a name, address space (20.0.0.0/16), and subnets.

    5. Review and create the virtual network.

2. Create Another Virtual Network in South India:

- **In Azure Portal**:

    1. Repeat the above steps for **South India**.

    2. Name the virtual network and provide an address space (10.1.0.0/16).

    3. Add subnets and deploy.
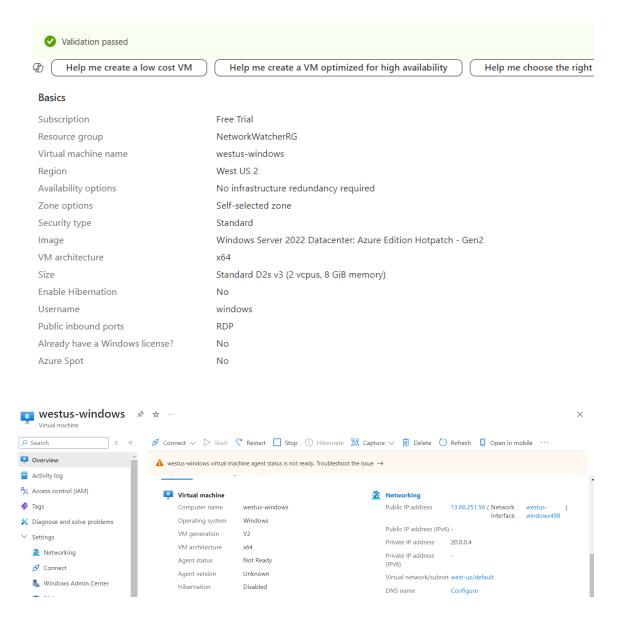

3. Deploy a Virtual Machine in West US:

- **In Azure Portal**:

    1. Go to "Virtual Machines."

    2. Click "Create."

    3. Select **West US** for the region.

    4. Assign the VM to the **West US Virtual Network** created earlier.

5. Choose an OS image (windows), size, authentication, and storage.

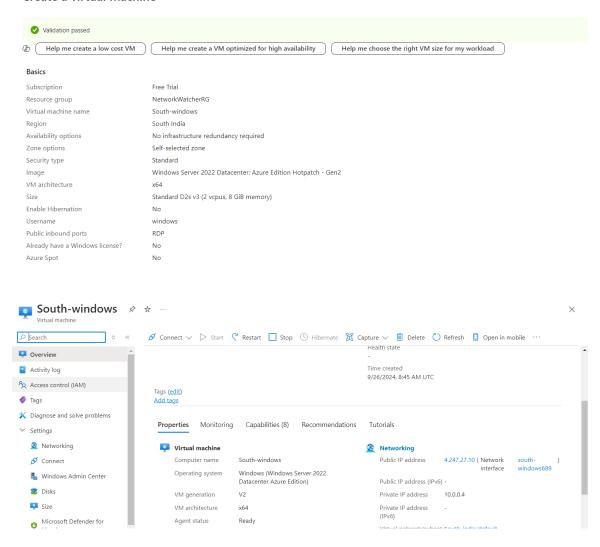6. Complete the setup and launch the VM.

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]

Basics

Subscription	Free Trial
Resource group	NetworkWatcherRG
Virtual machine name	westus-windows
Region	West US 2
Availability options	No infrastructure redundancy required
Zone options	Self-selected zone
Security type	Standard
Image	Windows Server 2022 Datacenter: Azure Edition Hotpatch - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	windows
Public inbound ports	RDP
Already have a Windows license?	No
Azure Spot	No

💻 westus-windows 📌 ☆ ···   ✕
Virtual machine

🔍 Search   « | 🔗 Connect ∨   ▷ Start   ↻ Restart   ⬜ Stop   ⏱ Hibernate   📷 Capture ∨   🗑 Delete   ↻ Refresh   📱 Open in mobile   ···

▦ Overview   ⚠ westus-windows virtual machine agent status is not ready. Troubleshoot the issue →
📋 Activity log
🔑 Access control (IAM)   **Virtual machine**   **Networking**
🏷 Tags   Computer name   westus-windows   Public IP address   13.66.251.56 (Network   westus-
🔧 Diagnose and solve problems Operating system   Windows   interface   windows498)
∨ Settings   VM generation   V2   Public IP address (IPv6) -
   🔌 Networking   VM architecture   x64   Private IP address   20.0.0.4
   🔗 Connect   Agent status   Not Ready   Private IP address
   🖥 Windows Admin Center Agent version   Unknown   (IPv6)   -
                            Hibernation   Disabled   Virtual network/subnet west-us/default
                                                                      DNS name   Configure

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4. Deploy a Virtual Machine in South India:

- **In Azure Portal**:

    1. Repeat the steps to create another virtual machine in **South India**.

    2. Make sure the VM is connected to the **South India Virtual Network**.

3. Complete deployment.

Create a virtual machine ⋯

Create a virtual machine (Basics summary)

✅ 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

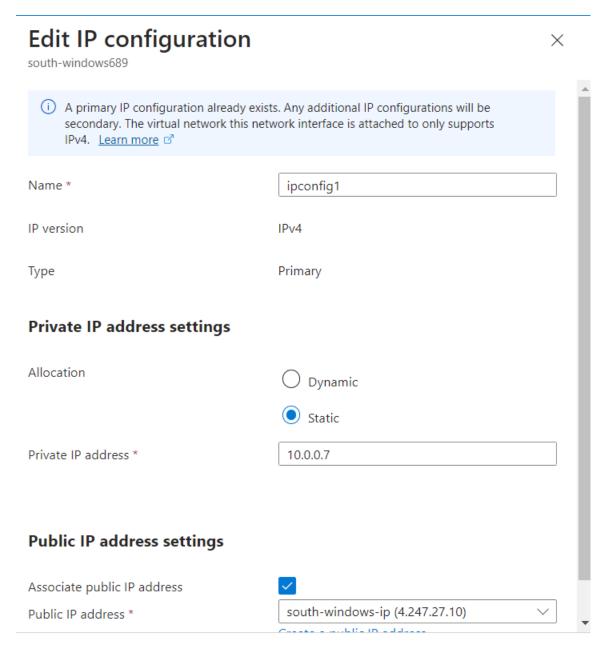|	
Subscription	Free Trial
Resource group	NetworkWatcherRG
Virtual machine name	South-windows
Region	South India
Availability options	No infrastructure redundancy required
Zone options	Self-selected zone
Security type	Standard
Image	Windows Server 2022 Datacenter: Azure Edition Hotpatch - Gen2
VM architecture	x64
Size	Standard D2s v3 (2 vcpus, 8 GiB memory)
Enable Hibernation	No
Username	windows
Public inbound ports	RDP
Already have a Windows license?	No
Azure Spot	No

5. Assign a Static IP Address to the VM:

- **In Azure Portal**:

  1. Once the VM is deployed, navigate to the **Virtual Machine** you just created.

  2. Under the "Settings" section, click on **Networking**.

  3. Under the "Network Interface" section, click on the **network interface** associated with the VM.

  4. In the network interface settings, click on **IP configurations**.

5. Select the **IP configuration** (usually named ipconfig1).

6. Under **Assignment**, change the **IP address assignment** from **Dynamic** to **Static**.

7. Click "Save."

Edit IP configuration

south-windows689   ✕

ⓘ A primary IP configuration already exists. Any additional IP configurations will be secondary. The virtual network this network interface is attached to only supports IPv4. Learn more ⬀

Name *

    ipconfig1

IP version   IPv4

Type   Primary

Private IP address settings

Allocation   ○ Dynamic

                                    ⦿ Static

Private IP address *   10.0.0.7

Public IP address settings

Associate public IP address   ☑

Public IP address *   south-windows-ip (4.247.27.10)   ⌄