### 1. Create a Virtual Network in West US:

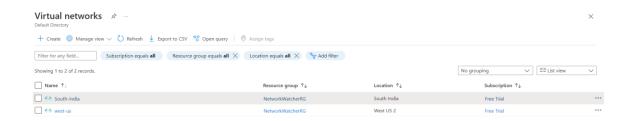
#### • In Azure Portal:

- 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.

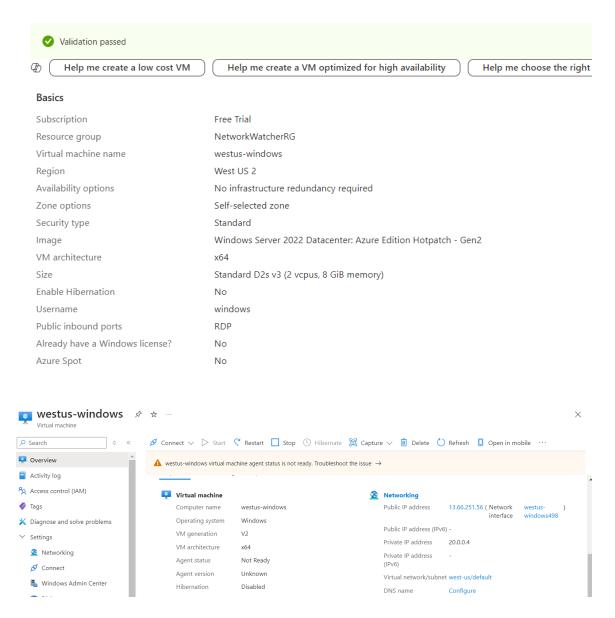


# 3. Deploy a Virtual Machine in West US:

- 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

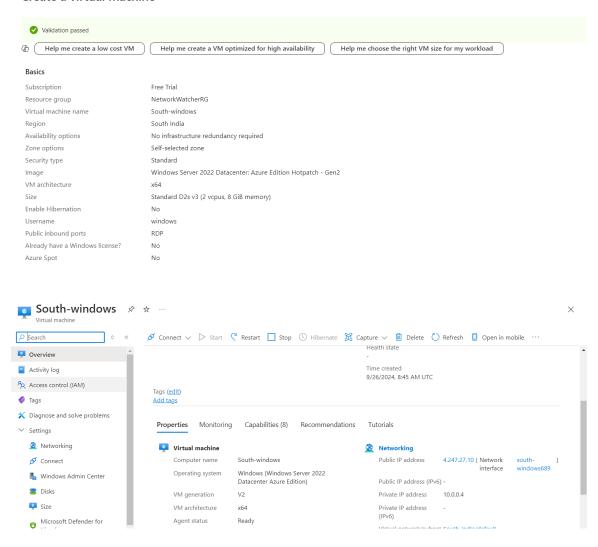


# 4. Deploy a Virtual Machine in South India:

- 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

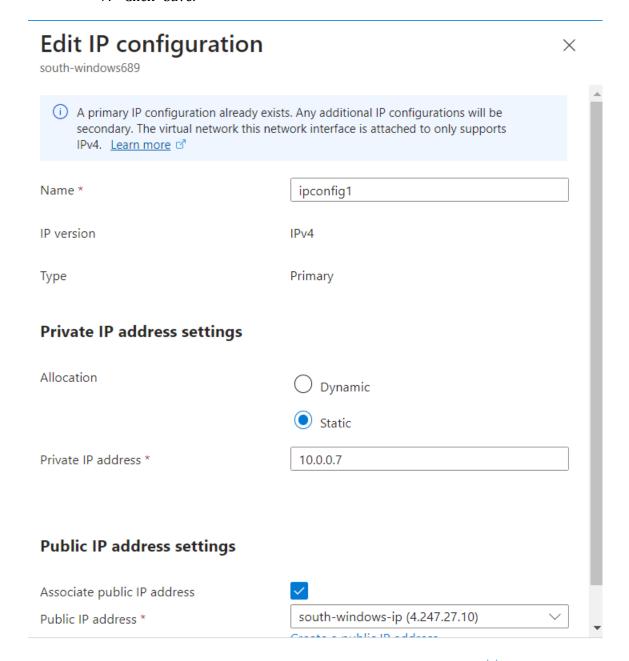


# 5. Assign a Static IP Address to the VM:

### • 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."



# 6. Create a New Network Interface (NIC)

- In Azure Portal:
  - 1. Go to **Networking**.

- 2. Under "Settings" on the left side, select **Network interfaces**.
- 3. Click **Add** to create a new NIC.
- 4. Specify the following details:
  - Name: Provide a name for the new NIC.
  - **Virtual network**: Select the virtual network where you want the NIC to reside (the same one used for your VM).
  - **Subnet**: Choose the subnet associated with the virtual network.
  - Private IP: Set it to either Dynamic or Static depending on your requirements.
- 5. Click **Review + Create** and then **Create** to deploy the NIC.

# Create network interface

i Running final validation...

Basics Tags Review + create

### **Basics**

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Resource group NetworkWatcherRG

Region South India
Name newnic

Virtual network South-india (NetworkWatcherRG)

Subnet default (10.0.0.0/24)

IP version IPv4

Private IP address assignment Dynamic

### Tags

None

## 7. Attach NIC to the Previously Created VM

### • In Azure Portal:

- 1. Once the NIC is created, navigate back to your previously created VM.
- 2. Under "Settings," click on **Networking**.
- 3. In the Network interface section, click on Attach network interface.
- 4. Select the newly created NIC from the list and click **OK**.

