Step 1: Create a Windows Virtual Machine in Azure

1. **Log in to the Azure Portal**:

   o Navigate to the [Azure Portal](#) and sign in with your Azure account.

2. **Create a New Virtual Machine**:

   o Click on **"Create a resource"** from the left-hand menu.

3. **Configure the VM Basics**:

   o **Subscription**: Choose your subscription.

   o **Resource Group**: Either create a new resource group or select an existing one.

   o **Virtual Machine Name**: Provide a name for your VM.

   o **Region**: Select **"West US"** from the dropdown menu.

   o **Availability Options**: Choose your preferred option based on redundancy needs.

   o **Image**: Ensure you have selected a Windows Server image.

   o **Size**: Select the appropriate VM size for your requirements.

4. **Configure Administrator Account**:

   o Choose the **Authentication type** (Password is commonly used).

   o Enter a **Username** and a **Password** that meets the complexity requirements.

5. **Configure Networking**:

   o In the **Networking** tab, ensure a new virtual network and subnet are created or select existing ones.

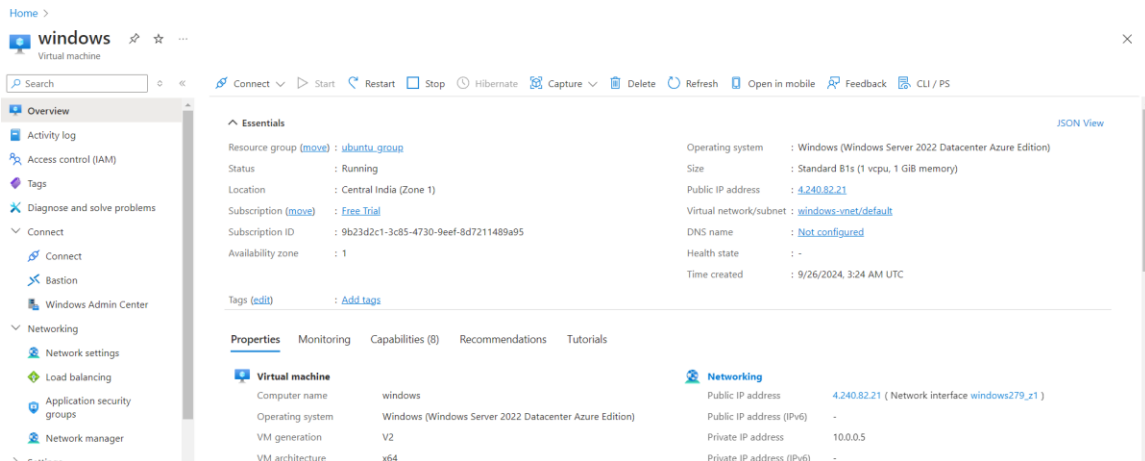   o Make sure to allow **Public IP** for external connections.

6. **Open RDP Port**:

   o In the **Networking** section, add an inbound port rule to allow **RDP (port 3389)**.

      ▪ **Source**: Any (or specific IPs if you want to restrict access)

      ▪ **Protocol**: TCP

- **Port Range**: 3389
- **Destination**: Any

7. **Review + Create**:

   o Review all settings and click **"Create"** to provision the VM. This may take a few minutes.

Step 2: Connect to the Windows VM using Remote Desktop

1. **Get the Public IP Address**:

   o Once the VM is created, navigate to the **"Overview"** page of your VM in the Azure Portal.

   o Note the **Public IP address** of the VM.

2. **Open Remote Desktop Connection**:

   o On your local Windows machine, search for **"Remote Desktop Connection"** in the Start menu and open it.

3. **Enter the Public IP Address**:

   o In the Remote Desktop Connection window, enter the public IP address of your VM and click **"Connect."**

4. **Enter Credentials**:

   o When prompted, enter the **Username** and **Password** you created during the VM setup.

   o You may also get a security warning about the identity of the host; confirm to continue.

5. **Connect**:

   o Click **"OK"** to connect. You should now see the desktop of your Windows VM.