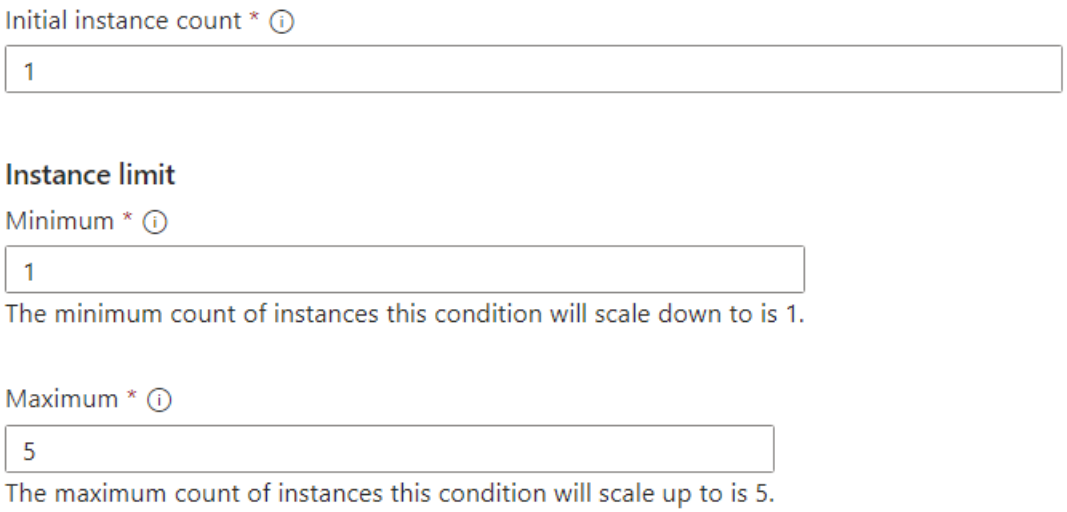
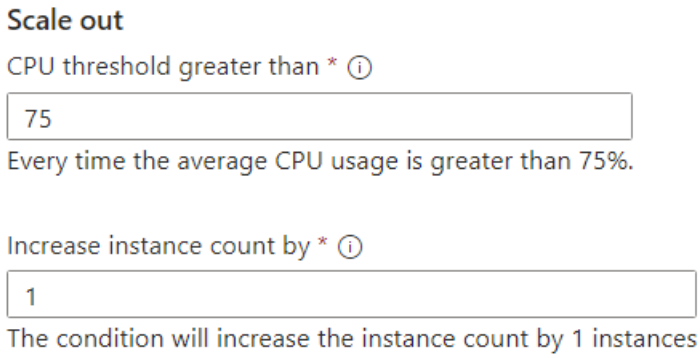
1. **Log in to the Azure Portal**:
    - Go to the Azure Portal and sign in with your account.
2. **Create a New Virtual Machine Scale Set**:
    - Click on **"Create a resource"** from the left-hand menu.
3. **Configure the Basics**:
    - **Subscription**: Choose your subscription.
    - **Resource Group**: Either create a new resource group or select an existing one.
    - **Scale Set Name**: Provide a name for your scale set.
    - **Region**: Select your desired region (e.g., West US).
    - **Availability Zone**: Choose whether to use availability zones or not.
    - **Image**: Select **"Ubuntu"** from the list of available images (choose the specific version you need, e.g., Ubuntu 20.04 LTS).
    - **Instance Count**: Set the **Initial Instance Count** to **1**.
4. **Configure Scaling Options**:
    - Go to the **"Scaling"** tab.
    - **Minimum number of VMs**: Set this to **1**.
    - **Maximum number of VMs**: Set this to **5**.

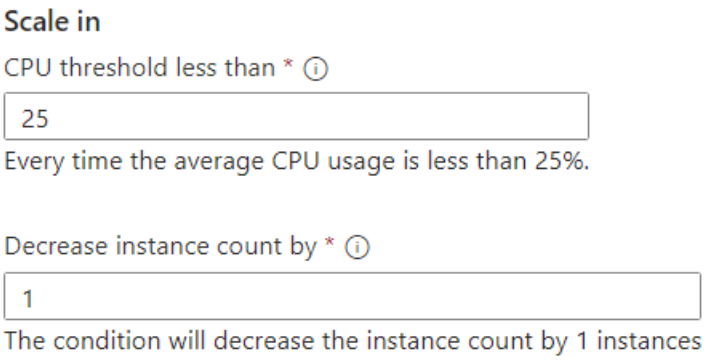


Step 2: Configure Autoscale Settings

1. **Set Autoscale Rules**:
    - In the scaling section, you will define scaling rules based on CPU utilization.
    - Set the **scale-out rule** to trigger when the **CPU percentage** exceeds **75%**.
        - **Condition**: CPU Percentage > 75%
        - **Action**: Increase by **1 VM**



    - Set the **scale-in rule** to trigger when the **CPU percentage** drops below **25%**.
        - **Condition**: CPU Percentage < 25%
        - **Action**: Decrease by **1 VM**



    - Cooldown period: (set a cooldown period as per your needs, e.g., 5 minutes)

Scaling conditions

+ Add a scaling condition Delete

Condition	Mode	Instance Count ⓘ	CPU Threshold ⓘ	Schedule
Default condition	Autoscale	(1, 5, 1)	(75%, 25%)	No

Step 3: Configure Networking and Review

1. **Networking Settings**:
    - Click on **"Next: Networking"** to configure network settings.
    - Choose a new or existing virtual network and subnet.
2. **Review + Create**:
    - Review all configurations.
    - Click **"Create"** to provision the VM scale set. This may take a few minutes.

Create a virtual machine scale set ...

Validation passed

Subscription	Free Trial
Resource group	ubuntu_group
Virtual machine scale set name	Ubuntu
Region	Central India
Orchestration mode	Flexible
Availability zone	1,2,3
Image	Ubuntu Server 24.04 LTS - Gen2
Size	Standard B1s (1 vcpu, 1 GiB memory)
Scaling mode	Autoscaling
Scaling condition count	1
Predictive autoscaling	Disabled
Diagnostic logs	Disabled
Scale-in policy	Default
Force delete	Disabled
Security type	Standard
Enable Hibernation	No
Authentication type	SSH public key
Username	azureuser
SSH Key format	RSA