Module 4: Assignment 3

Tasks To Be Performed:

- 1. Create a VM scale set with Ubuntu as OS
- 2. Give min VM's as 1 and maximum as 5
- 3. For scale-out CPU % is 75 and increase by 1 VM
- 4. For scale-in CPU % is 25 increase by 1 VM

Solution:

1. Create a VM Scale Set with Ubuntu as OS

Navigate to the Azure Portal:

Go to the Azure Portal and log in with your credentials.

Create a New VM Scale Set:

In the Azure Portal, search for "Virtual machine scale sets" in the search bar.

Click on "Create" to start the setup.

Basics Tab:

Subscription: Select your Azure subscription.

Resource group: Select an existing resource group or create a new one.

Name: Give your scale set a name.

Region: Choose the region where you want the scale set to be deployed.

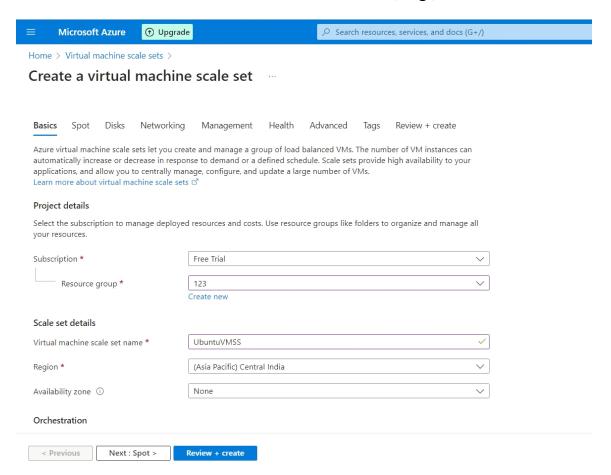
Availability Zone: Select the appropriate availability zone (if needed).

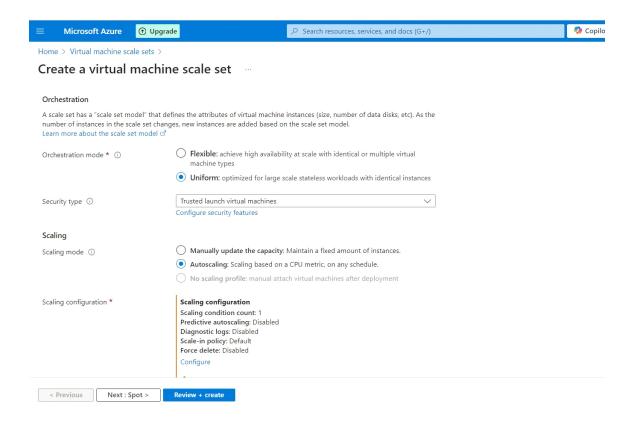
Image: Choose "Ubuntu Server" as the OS.

Size: Choose an appropriate VM size for the scale set.

Authentication type: Select the authentication method (SSH or password).

Instance count: Set the initial number of instances, e.g., 1.

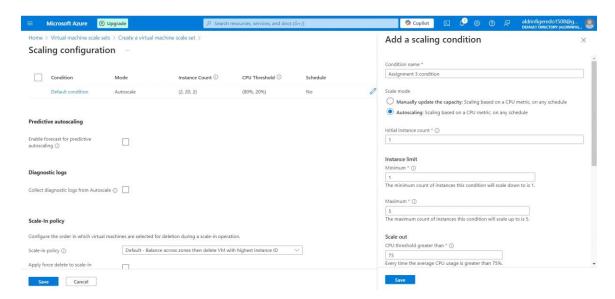


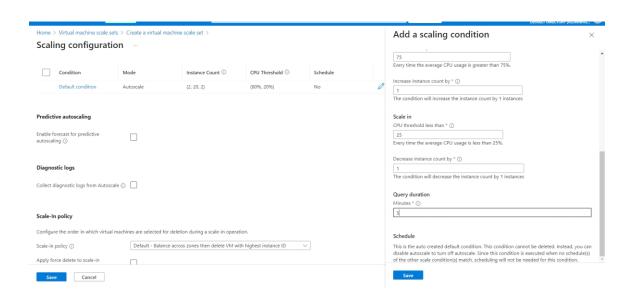


2. Set Minimum VMs to 1 and Maximum to 5

Instances and Scaling:

In the "Instances and Scaling" section, set the minimum number of VMs to 1 and the maximum to 5.





3. Configure Scale-out at 75% CPU to Increase by 1 VM

Scaling:

Go to the "Scaling" tab within the scale set creation process.

Scale-out rules:

Add a new rule for scaling out.

Set the metric to "CPU Percentage."

Set the condition to "Greater than" 75%.

Set the action to "Increase count by" 1.

4. Configure Scale-in at 25% CPU to Decrease by 1 VM

Scale-in rules:

Add a new rule for scaling in.

Set the metric to "CPU Percentage."

Set the condition to "Less than" 25%.

Set the action to "Decrease count by" 1.

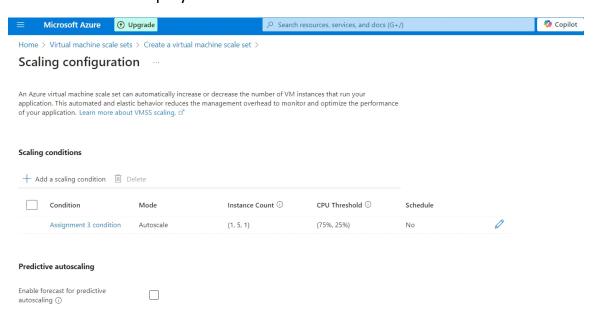
5. Review and Create

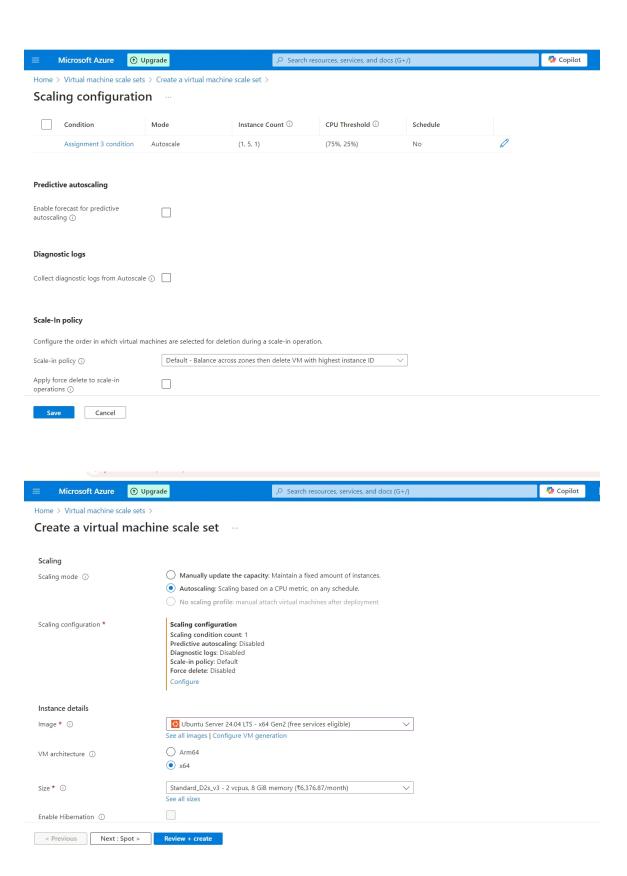
Review:

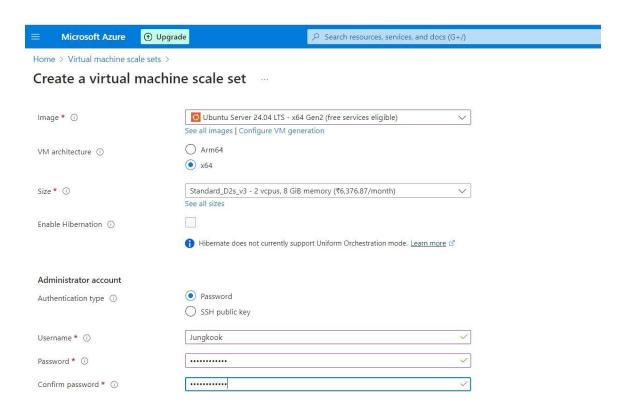
Review all your settings.

Create:

Click "Create" to deploy the VM scale set.







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Create a virtual machine scale set

