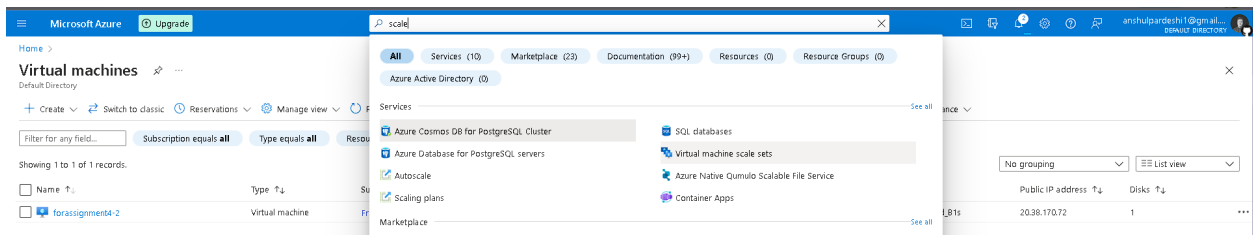


Azure Virtual Machines:3

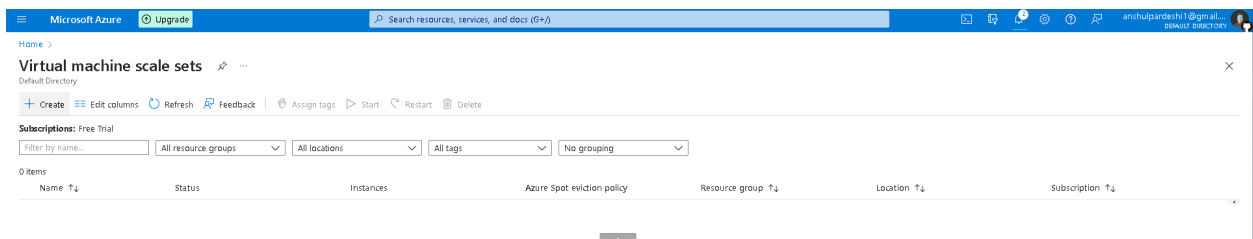
Do the following tasks:

1. Create a VM scale set with Ubuntu as OS.
2. Give min VM's as 1, and maximum as 5.
3. For Scaleout CPU % is 75, and increases by 1 VM.
4. For Scale In CPU % is 25, increased by 1 VM.

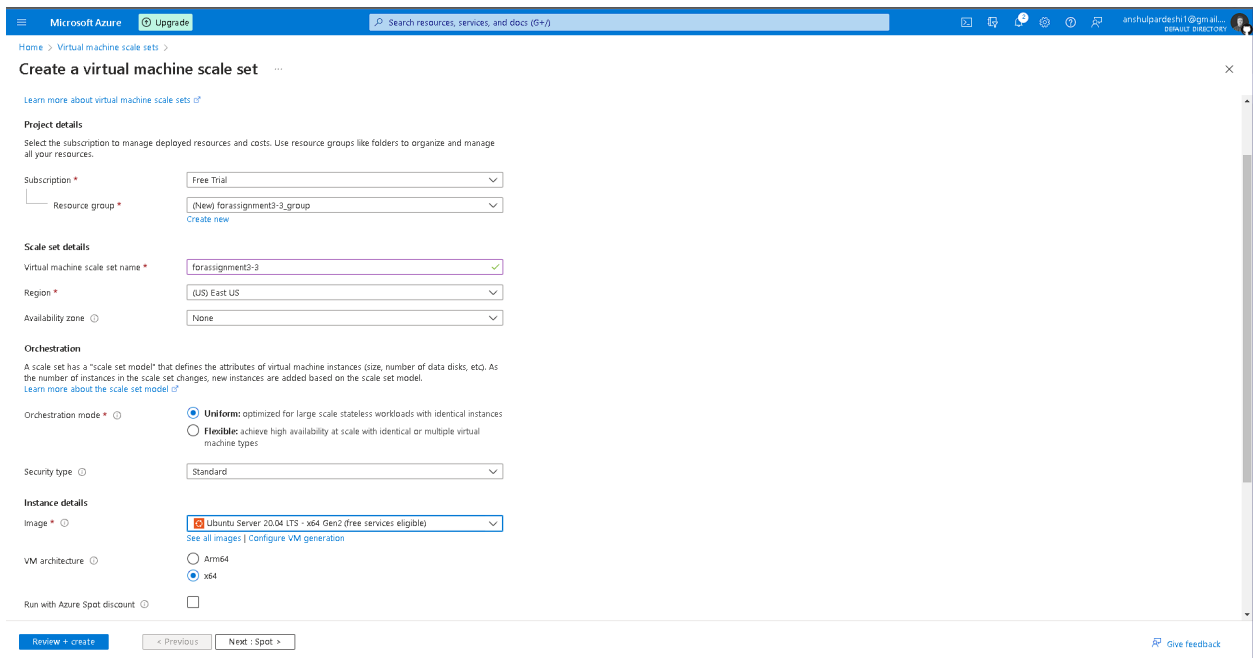
Search for VirtualMachine ScaleSet



Click on create.



Select resource group or create new according to your choice. Give scaleset a name.
Select the region we are going with the default one.
Select Ubuntu image in this case.



Select authentication using password and set credentials according to you.

The screenshot shows the 'Create a virtual machine scale set' form in the Microsoft Azure portal. The 'Orchestration' section includes 'Orchestration mode' (Uniform selected), 'Security type' (Standard), and 'Instance details' (Image: Ubuntu Server 20.04 LTS - x64 Gen2, VM architecture: x64). The 'Administrator account' section shows 'Authentication type' (Password selected), 'Username' (MyUser), 'Password', and 'Confirm password'.

Availability zone: None

Orchestration

A scale set has a "scale set model" that defines the attributes of virtual machine instances (size, number of data disks, etc.). As the number of instances in the scale set changes, new instances are added based on the scale set model. [Learn more about the scale set model](#)

Orchestration mode * ☒ **Uniform:** optimized for large scale stateless workloads with identical instances ☐ **Flexible:** achieve high availability at scale with identical or multiple virtual machine types

Security type: Standard

Instance details

Image * [See all images](#) | [Configure VM generation](#)

VM architecture: ☐ Arm64 ☒ x64

Run with Azure Spot discount: ☐

Size * [See all sizes](#)

Administrator account

Authentication type: ☒ Password ☐ SSH public key

Username * ✓

Password * ✓

Confirm password * ✓

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Now from upper taskbar options, select “Scaling”.

Let initial instance be 1.

Select Autoscaling as scaling type.

According to given task set the metrics and measures.

The screenshot shows the 'Create a virtual machine scale set' form in the Microsoft Azure portal, specifically the 'Scaling' tab. It includes settings for 'Initial instance count' (1), 'Scaling policy' (Autoscaling selected), 'Minimum number of instances' (1), 'Maximum number of instances' (5), 'Scaling mode' (Scale based on CPU metrics selected), 'Scale out' (CPU threshold: 75%, Duration: 10 minutes, Number of instances to increase by: 1), 'Scale in' (CPU threshold: 25%, Number of instances to decrease by: 1), and 'Predictive autoscaling (preview)' (disabled).

Basics Spot Disks Networking **Scaling** Management Health Advanced Tags Review + create

An Azure virtual machine scale set can automatically increase or decrease the number of VM instances that run your application. This automated and elastic behavior reduces the management overhead to monitor and optimize the performance of your application. [Learn more about VMSS scaling](#)

Initial instance count * ✓

Scaling

Scaling policy: ☐ Manual scaling ☒ Autoscaling

Minimum number of instances *

Maximum number of instances * ✓

Scaling mode: ☒ Scale based on CPU metrics ☐ Scale based on a schedule

Scale out

CPU threshold (%) *

Duration in minutes *

Number of instances to increase by * ✓

Scale in

CPU threshold (%) *

Number of instances to decrease by * ✓

Predictive autoscaling (preview)

Enable predictive autoscaling forecast: ☐

Diagnostic logs

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Now review and create.

Deployment has been completed.

Microsoft Azure

Upgrade

Search resources, services, and docs (Ctrl+J)

anshulpiardeshi1@gmail.com

PRIVACY | SUPPORT

Home > Create VMs - canonical.0001-com-ubuntu-server-focal-20230405203108 | Overview >

forassignment3-3

Virtual machine scale set

Search

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Overview

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Insights

Alerts

Metrics

Essentials

Resource group [\(move\)](#) : [forassignment3-3_group](#)

Status : 1 out of 1 succeeded

Location : East US

Subscription [\(move\)](#) : [Free Trial](#)

Subscription ID : 5b06583f-9e72-4b4d-9c6b-7040d85ba0b

Tags [\(edit\)](#) : [Click here to add tags](#)

Operating system : Linux

Size : Standard_B1s (1 instance)

Public IP address : -

Public IP address (IPv6) : -

Virtual network/subnet : [forassignment3-3_group-vnet/default](#)

Orchestration mode : Uniform

JSON View

Properties Monitoring Capabilities (6) Recommendations Tutorials

Virtual machine profile

Operating system : Linux

Publisher : canonical

Offer : 0001-com-ubuntu-server-focal

Plan : 20_04-lts-gen2

Capacity reservation group : -

Availability + scaling

Availability zone : -

Proximity placement group : -

Colocation status : -

Host group : -

Instance count : 1

Scaling : Manual

Scale-in policy : Default

Overprovisioning : Not enabled

Fault domain count : 1

Single placement group : Not enabled

Disk controller type : SCSI

Networking

Public IP address : -

Public IP address (IPv6) : -

Virtual network/subnet : [forassignment3-3_group-vnet/default](#)

Size

Size : Standard_B1s

VCPUs : 1

RAM : 1 GiB

Disk

OS disk : Premium SSD LRS

Encryption at host : Disabled

Ultra disk compatibility : Disabled

Data disks : 0

Managed disks : Enabled

Ephemeral OS disk : N/A

Azure Spot

Azure Spot : Disabled