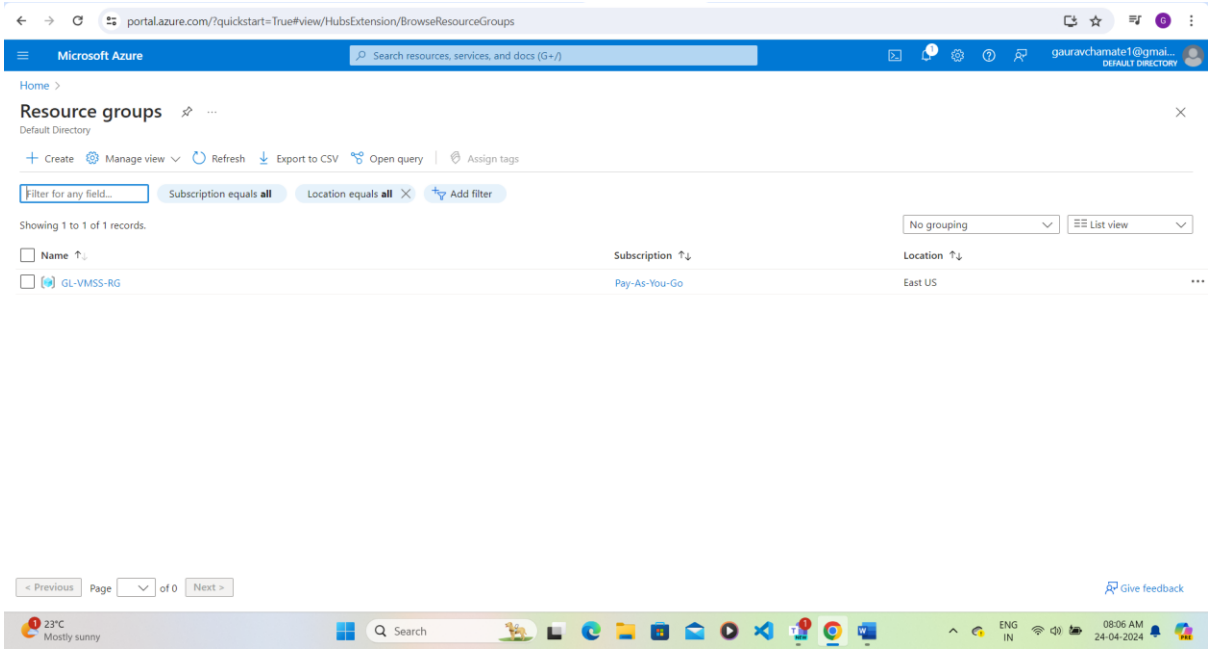
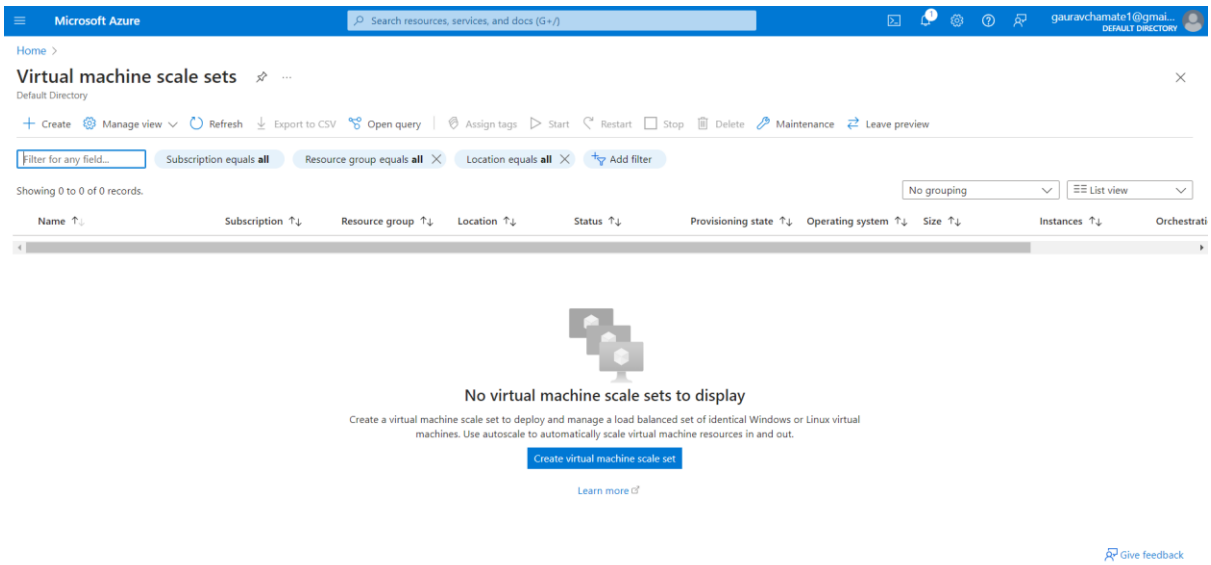
A. Hands-On: Create resource group 1. Open the Azure management console at https://portal.azure.com/?quickstart=True#home (you will be required to sign in using your free account)

2. In the Azure search bar paste the value as mentioned below and press enter. Resource groups 3. Click on Create a. Select Subscription as Free Trial/Pay-As-You-Go b. Resource group: paste the value as mentioned below GL-VMSS-RG c. Region leave the default value d. Click Review + Create e. Click Create

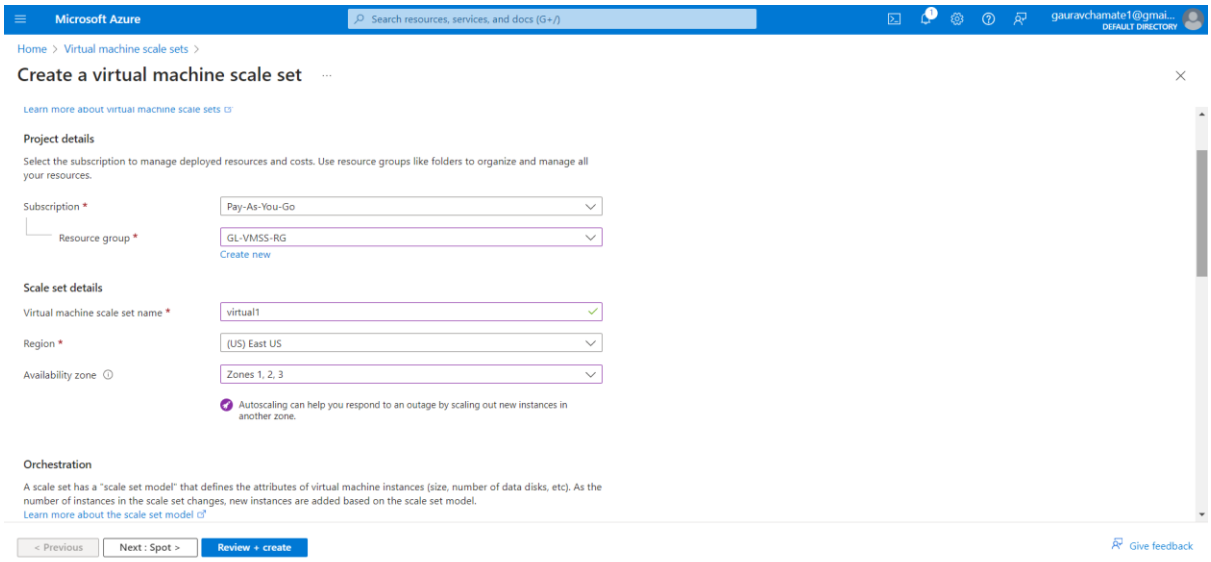


B. Hands-On: Create Virtual Machine Scale Set :

Basics 1. In the Azure search bar paste the value as mentioned below and press enter. Virtual Machine Scale Sets



2. Click on Create a. Select Subscription as Free Trial

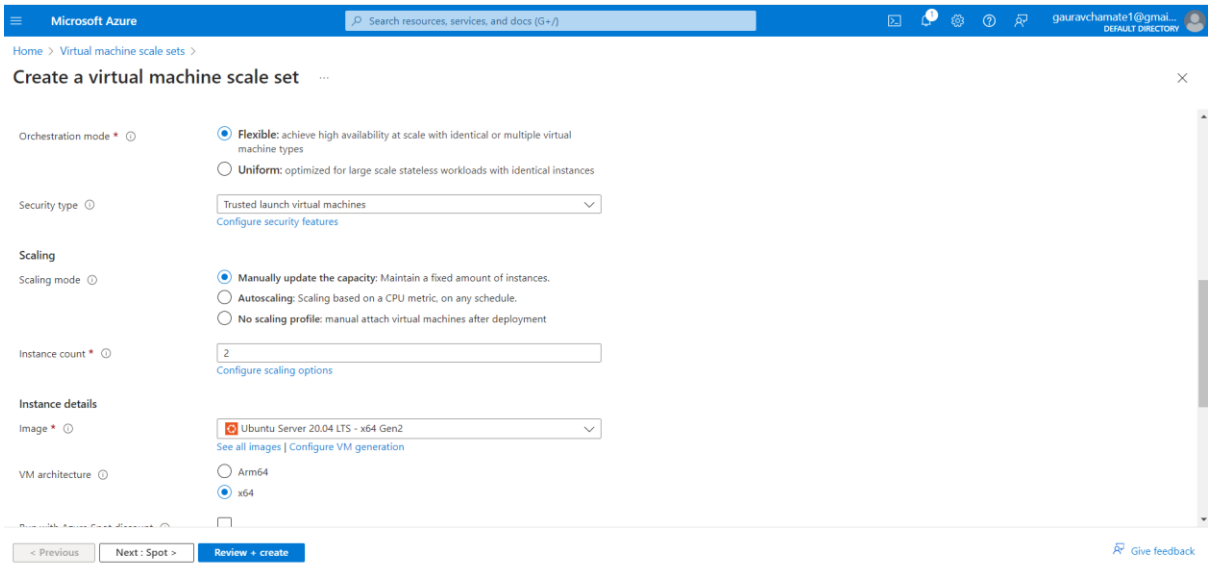


b. Resource group as GL-VMSS-RG (should be already by default)

c. Virtual Machine Scale Set Name : Provide a name of your choice

d. Region : Select East US

e. Availability Zone : Select All zones available in the drop down

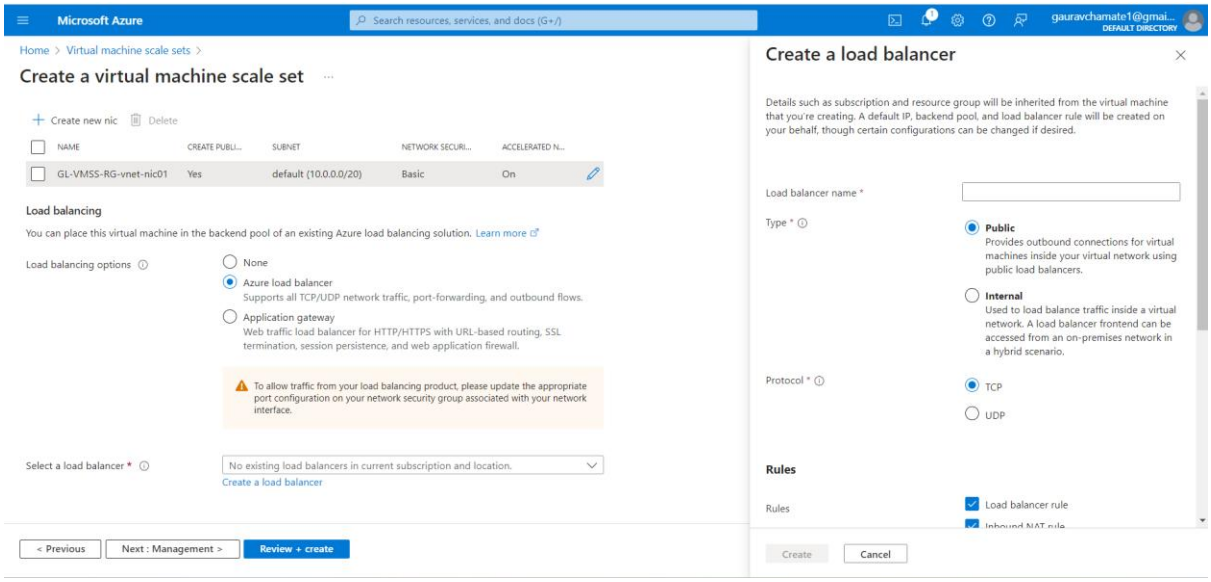


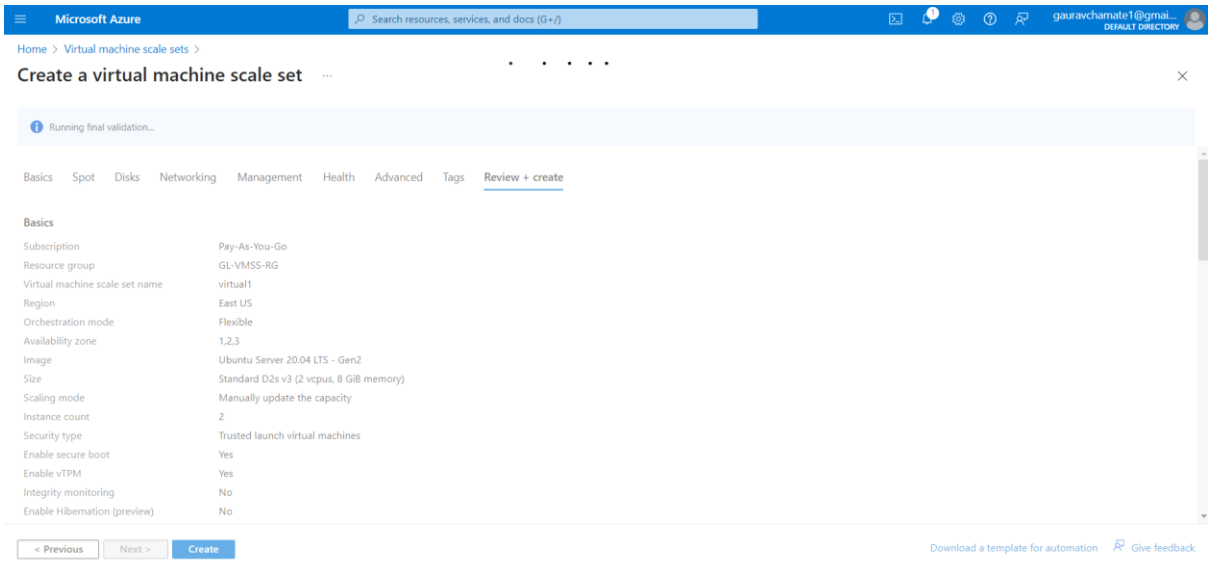
f. Image : Select Ubuntu 20.04

g. Authentication type : SSH public key

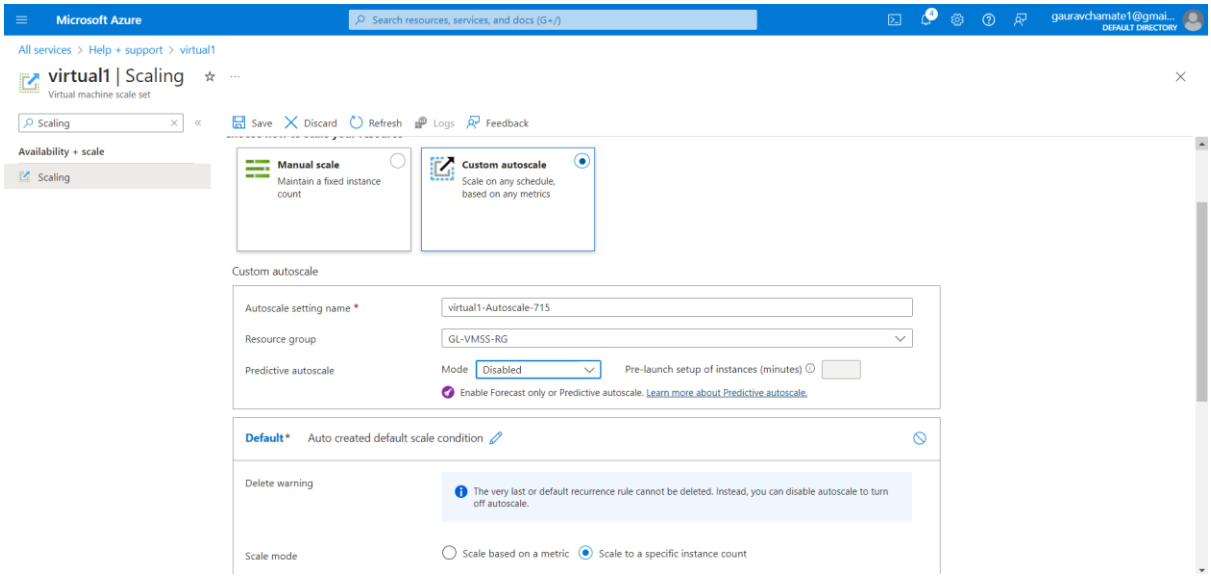
h. Username : azureuser

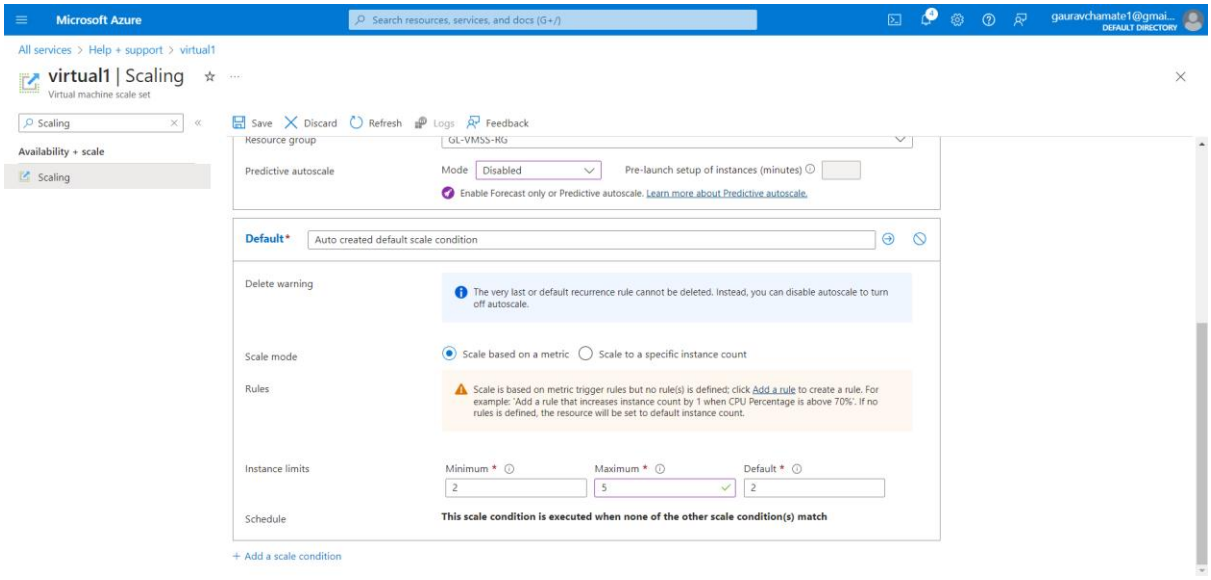
i. SSH source : Generate New Key Pair j. Key Pair Name : Enter a name of your choice 3. Click on Next : Disks 4. Use the default options and click on Next :Networking



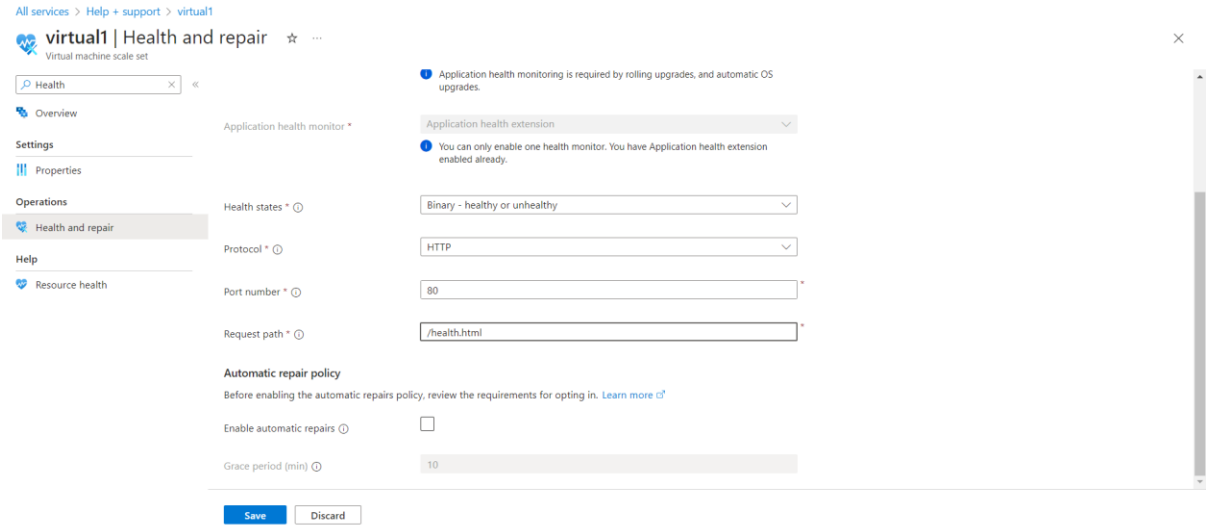


D. Hands-On: Create Virtual Machine Scale Set : Scaling 1. Use the following options in the Scaling tab a. Initial Instance Count : 2 b. Scaling Policy : Custom c. Minimum instances : 2 d. Maximum instances : 5 e. Rest of the options can be left to their default values 2. Click on Next : Management. 3. Use the default options and click on Next : Health



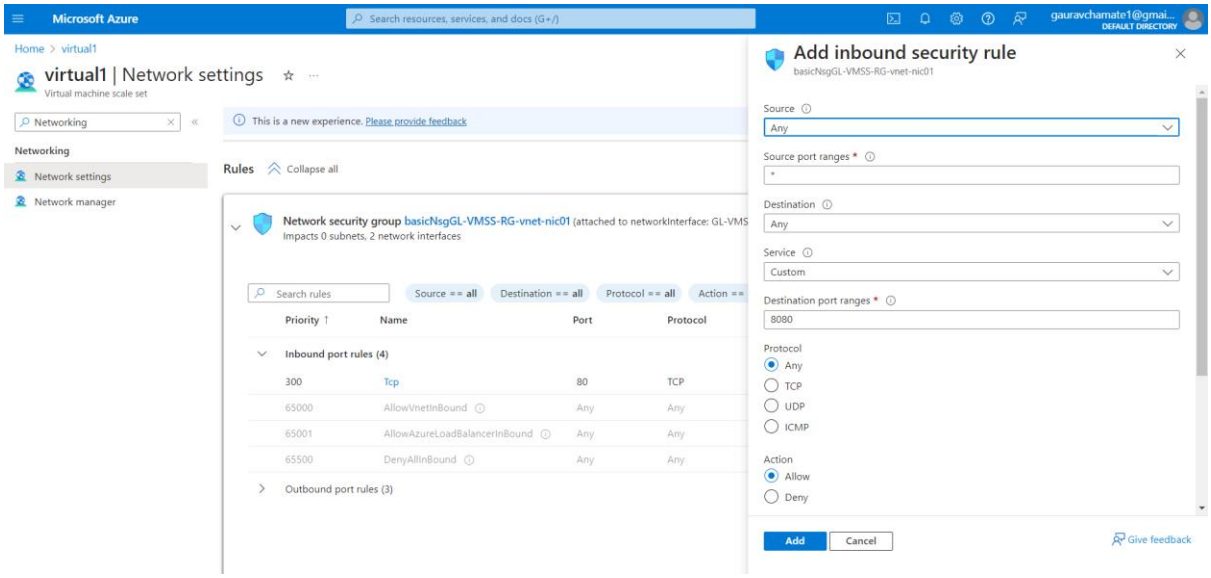


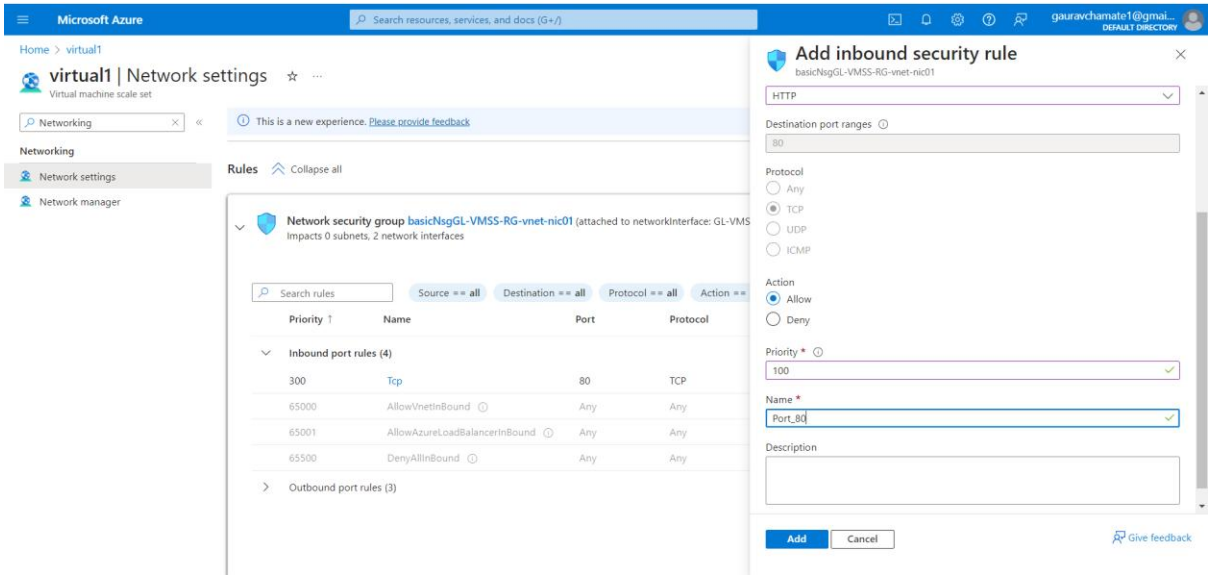
E. Hands-On: Create Virtual Machine Scale Set : Health a. Check the box “ Enable application health monitoring” b. Protocol : HTTP c. Port number : 80 d. Path : /health.html e. Click on Next : Advanced

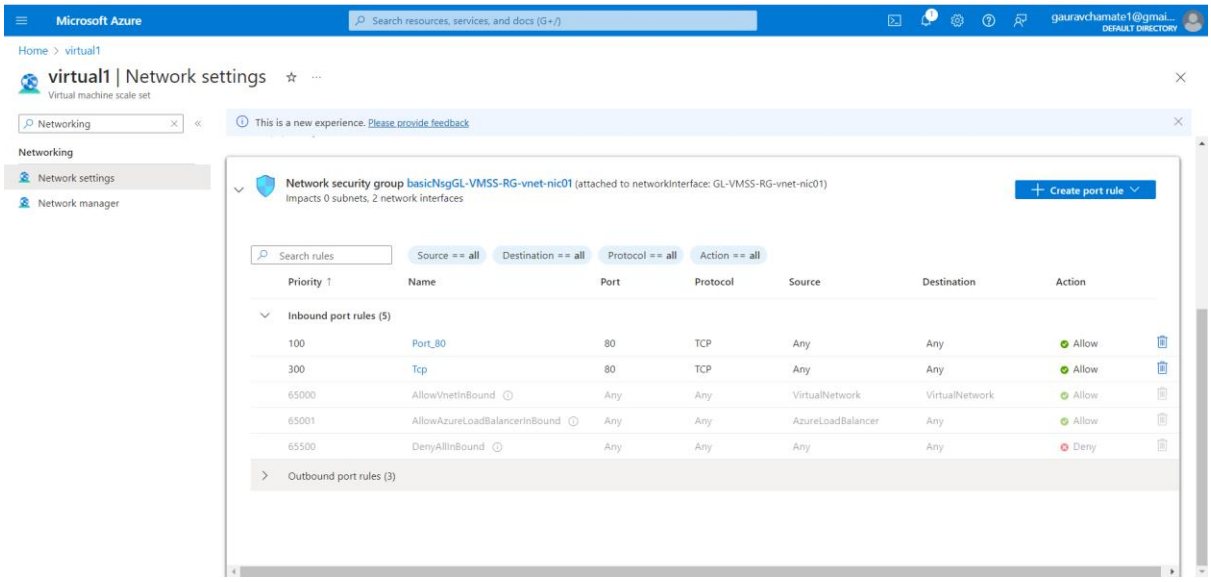


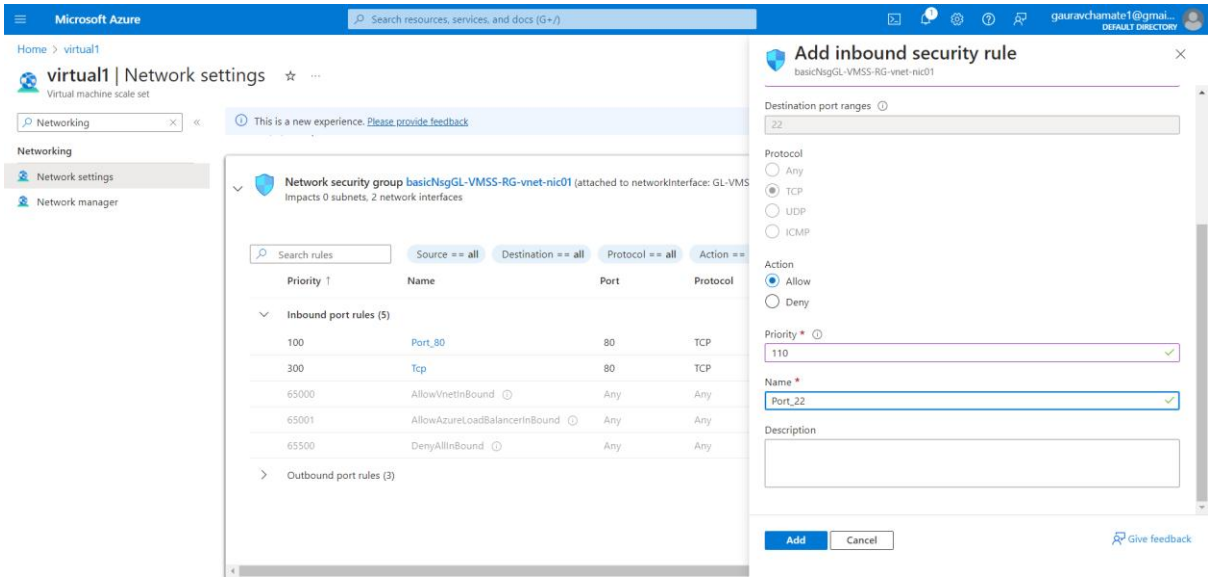
F. Hands-On: Create Virtual Machine Scale Set : Advanced a. Under the field Custom Data, enter the following script (As always, please be careful while copying the script) #!/bin/bash APP_NAME=LiftShift-Application apt update -y && apt -y install python3-pip zip cd /opt wget https://d6opu47qoi4ee.cloudfront.net/loadbalancer/simuapp-v1.zip unzip simuapp-v1.zip rm -f simuapp-v1.zip sed -i "s=MOD_APPLICATION_NAME=$APP_NAME=g" templates/index.html pip3 install -r requirements.txt nohup python3 simu_app.py >> application.log 2>&1 & b. The rest of the options can be left to their default values

G. Hands-On: Configure Networking rules 1. Once the resource is created ,navigate to it using the “Go to Resource” button presented. 2. Navigate to “Networking ” using the left sidebar 3. Click on Add Inbound Port Rule 4. Fill up the options as given below a. Source : Any b. Source Port Ranges : * c. Destination : Any d. Service : HTTP e. Action : Allow f. Priority : 100 g. Name : Port_80 h. Click on Add 5. Select Add Inbound Port Rule Again 6. Fill up the options as given below a. Source : Any b. Source Port Ranges : * c. Destination : Any d. Service : SSH e. Action : Allow f. Priority : 110 g. Name : Port_22 h. Click on Add




Microsoft Azure
Search resources, services, and docs (G+/)
gauravchamate1@gmai...
DEFAULT DIRECTORY
Home > virtual1
virtual1 | Network settings
Virtual machine scale set
Networking
Networking
Network settings
Network manager
This is a new experience. Please provide feedback
Rules
Collapse all
Network security group basicNsgGL-VMSS-RG-vnet-nic01 (attached to networkInterface: GL-VMS
Impacts 0 subnets, 2 network interfaces
Search rules
Source == all
Destination == all
Protocol == all
Action ==
Priority
Name
Port
Protocol
Inbound port rules (4)
300 Tcp 80 TCP
65000 AllowVnetInBound Any Any
65001 AllowAzureLoadBalancerInBound Any Any
65500 DenyAllInBound Any Any
Outbound port rules (3)
Add inbound security rule
basicNsgGL-VMSS-RG-vnet-nic01
HTTP
Destination port ranges
80
Protocol
Any
TCP
UDP
ICMP
Action
Allow
Deny
Priority *
100
Name *
Port_80
Description
Add
Cancel
Give feedback


Microsoft Azure
Search resources, services, and docs (G+/)
gauravchamate1@gmai...
DEFAULT DIRECTORY
Home > virtual1
virtual1 | Network settings
Virtual machine scale set
Networking
Networking
Network settings
Network manager
This is a new experience. Please provide feedback
Network security group basicNsgGL-VMSS-RG-vnet-nic01 (attached to networkInterface: GL-VMSS-RG-vnet-nic01)
Impacts 0 subnets, 2 network interfaces
Create port rule
Search rules
Source == all
Destination == all
Protocol == all
Action == all
Priority
Name
Port
Protocol
Source
Destination
Action
Inbound port rules (5)
100 Port_80 80 TCP Any Any Allow
300 Tcp 80 TCP Any Any Allow
65000 AllowVnetInBound Any Any VirtualNetwork VirtualNetwork Allow
65001 AllowAzureLoadBalancerInBound Any Any AzureLoadBalancer Any Allow
65500 DenyAllInBound Any Any Any Any Deny
Outbound port rules (3)


Microsoft Azure
Search resources, services, and docs (G+/)
gauravchamate1@gmai...
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Networking
Networking
Network settings
Network manager
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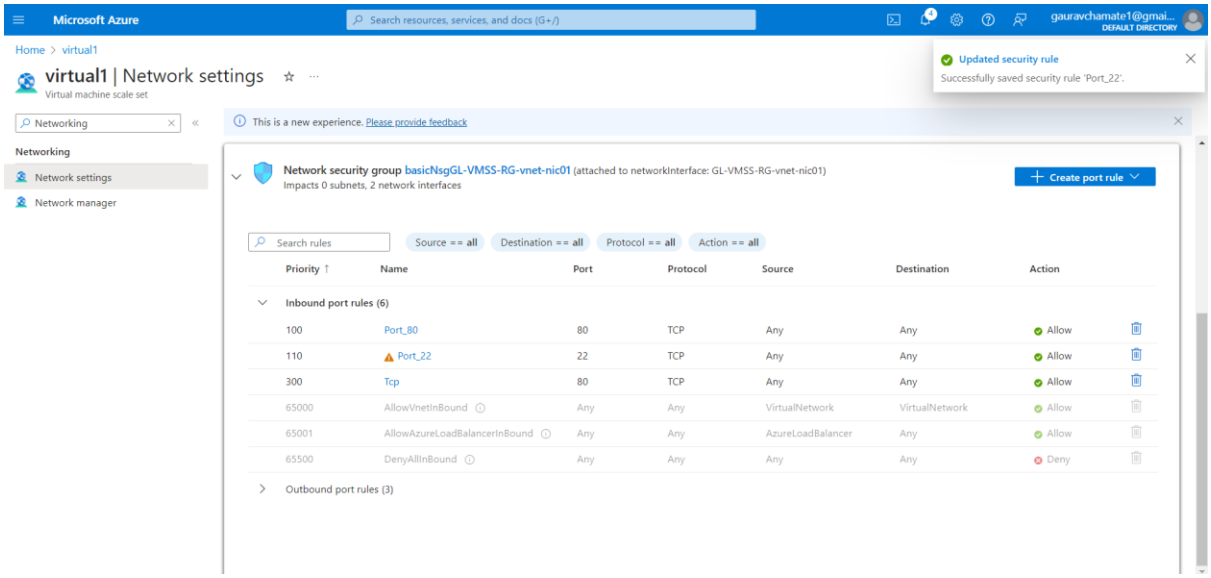
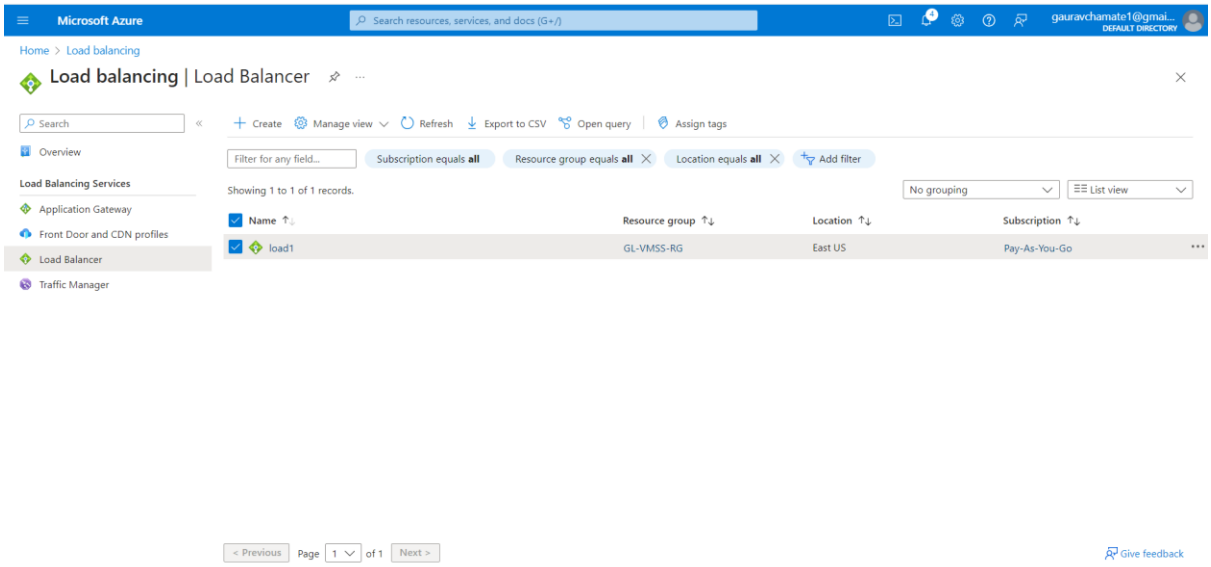
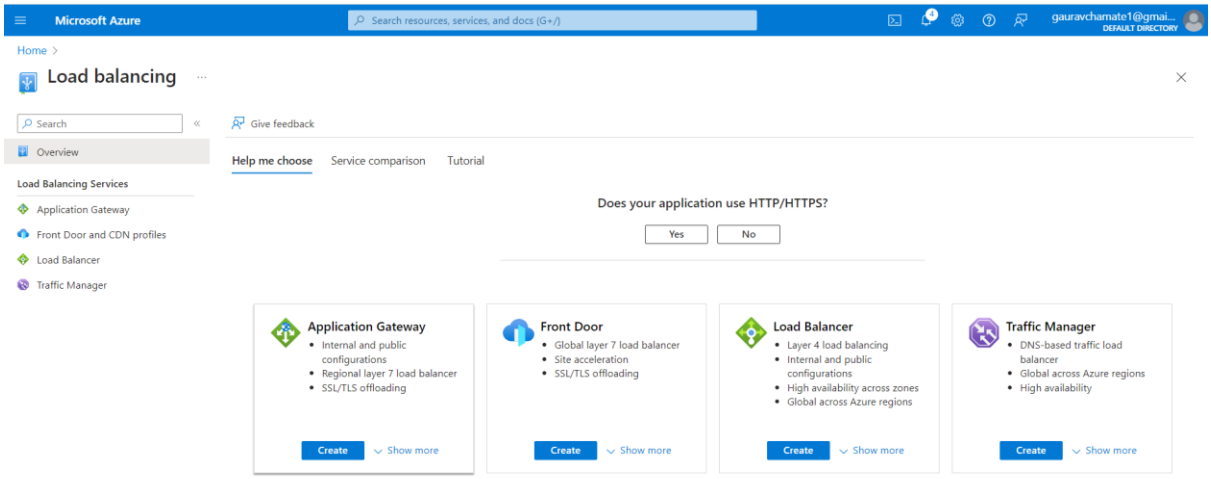
Network security group basicNsgGL-VMSS-RG-vnet-nic01 (attached to networkInterface: GL-VMS
Impacts 0 subnets, 2 network interfaces
Search rules
Source == all
Destination == all
Protocol == all
Action ==
Priority
Name
Port
Protocol
Inbound port rules (5)
100 Port_80 80 TCP
300 Tcp 80 TCP
65000 AllowVnetInBound Any Any
65001 AllowAzureLoadBalancerInBound Any Any
65500 DenyAllInBound Any Any
Outbound port rules (3)
Add inbound security rule
basicNsgGL-VMSS-RG-vnet-nic01
Destination port ranges
22
Protocol
Any
TCP
UDP
ICMP
Action
Allow
Deny
Priority *
110
Name *
Port_22
Description
Add
Cancel
Give feedback

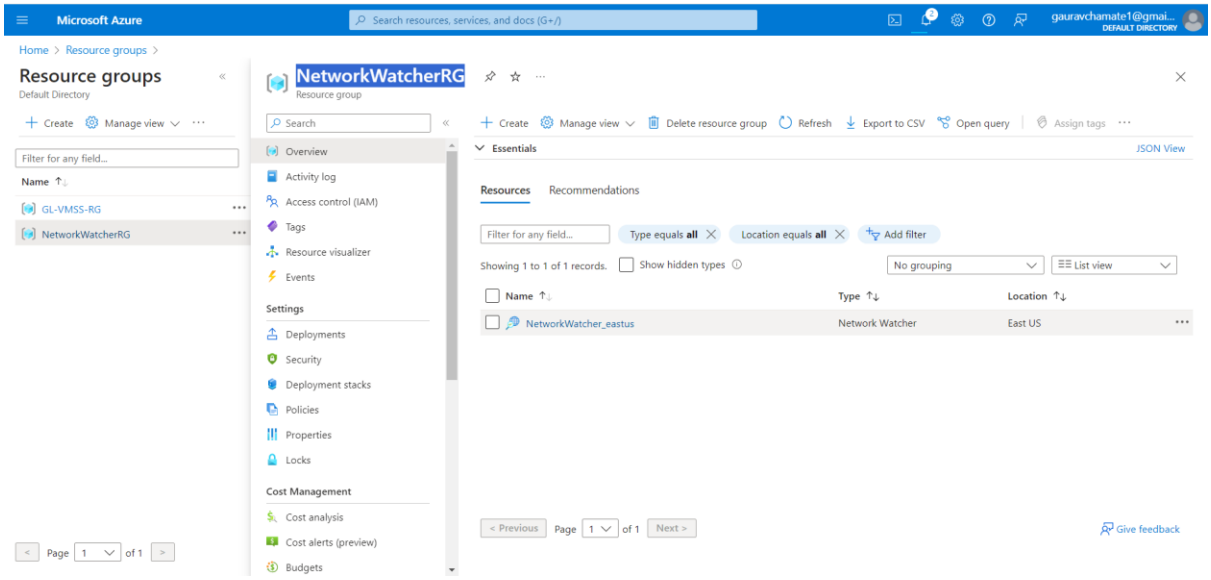


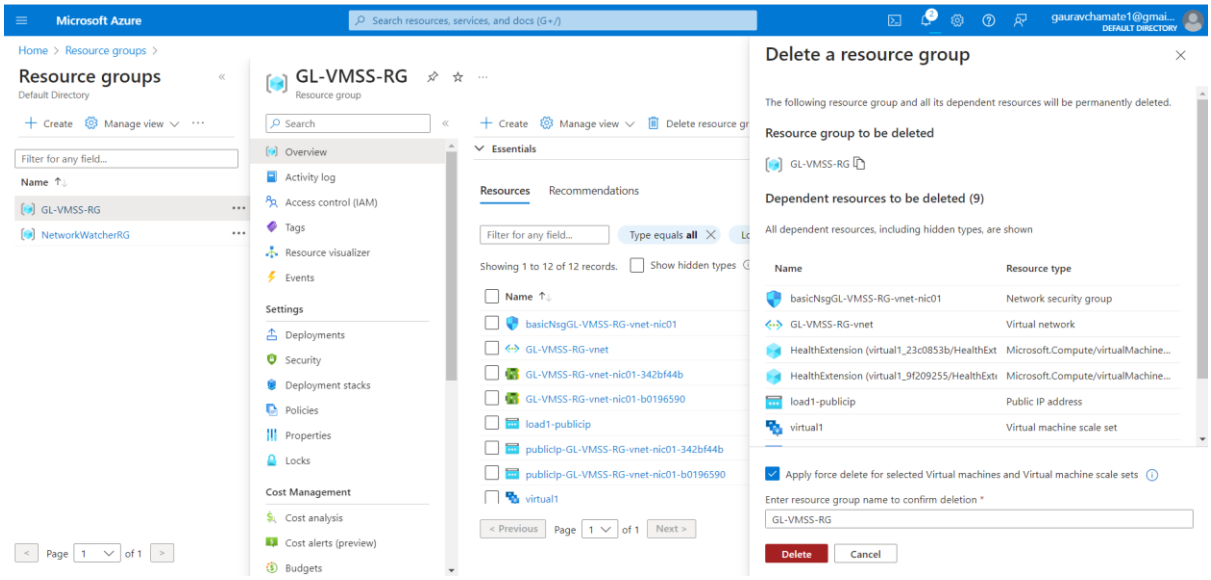
H. Access the application a. Search for Load Balancers using the Search Box at the top of the screen and navigate to it b. Select the created resource c. Under the Overview section, copy the public IP address. You may have to click on the “See More button” d. Paste the IP address into the web browser to access the custom application





Hands-On: Terminate the resources a. In the Azure search bar paste the value as mentioned below and press enter. Resource groups b. Click on GL-VMSS-RG c. Click on Delete resource group in the top middle of the window d. Type resource group name as below. GL-VMSS-RG e. Click Delete




Microsoft Azure
Search resources, services, and docs (G+/)
gauravchamate1@gmai...
DEFAULT DIRECTORY
Home > Resource groups >
Resource groups
Default Directory
Create
Manage view
Filter for any field...
Name
GL-VMSS-RG
NetworkWatcherRG
Page 1 of 1
GL-VMSS-RG
Resource group
Search
Overview
Activity log
Access control (IAM)
Tags
Resource visualizer
Events
Settings
Deployments
Security
Deployment stacks
Policies
Properties
Locks
Cost Management
Cost analysis
Cost alerts (preview)
Budgets
Create
Manage view
Delete resource gr
Essentials
Resources
Recommendations
Filter for any field...
Type equals all
Showing 1 to 12 of 12 records.
Show hidden types
Name
basicNsgGL-VMSS-RG-vnet-nic01
GL-VMSS-RG-vnet
GL-VMSS-RG-vnet-nic01-342bf44b
GL-VMSS-RG-vnet-nic01-b0196590
load1-publicip
publicip-GL-VMSS-RG-vnet-nic01-342bf44b
publicip-GL-VMSS-RG-vnet-nic01-b0196590
virtual1
< Previous
Page 1 of 1
Next >
Delete a resource group
The following resource group and all its dependent resources will be permanently deleted.
Resource group to be deleted
GL-VMSS-RG
Dependent resources to be deleted (9)
All dependent resources, including hidden types, are shown
Name
Resource type
basicNsgGL-VMSS-RG-vnet-nic01
Network security group
GL-VMSS-RG-vnet
Virtual network
HealthExtension (virtual1_23c0853b/HealthExt
Microsoft.Compute/virtualMachine...
HealthExtension (virtual1_9f209255/HealthExt
Microsoft.Compute/virtualMachine...
load1-publicip
Public IP address
virtual1
Virtual machine scale set
Apply force delete for selected Virtual machines and Virtual machine scale sets
Enter resource group name to confirm deletion *
GL-VMSS-RG
Delete
Cancel