

1. Create a VM with availability set using the custom image with chrome Pre installed

I have created availability set for this VM2 and it is shown in the right side of the image

The screenshot displays the Microsoft Azure portal interface for creating a new virtual machine. The main pane shows the 'Create a virtual machine' wizard with the following configuration:

- Resource group:** VM (with a 'Create new' link)
- Instance details:**
 - Virtual machine name:** VM2
 - Region:** (US) East US
 - Availability options:** Availability set
 - Availability set:** No existing availability sets in current resource group and location. (with a 'Create new' link)
 - Image:** Ubuntu Server 18.04 LTS - Gen1 (with a 'Browse all public and private images' link)
 - Azure Spot instance:** No
 - Size:** Standard_B2s - 2 vcpus, 4 GiB memory (₹2,007.21/month) (with a 'Select size' link)
- Administrator account:**
 - Authentication type:** SSH public key (selected) or Password

Navigation buttons at the bottom include 'Review + create', '< Previous', and 'Next : Disks >'. A right-hand sidebar titled 'Create new' provides additional configuration options for the availability set:

- Name:** Availabilityset1
- Fault domains:** 3 (configurable via a slider)
- Update domains:** 5 (configurable via a slider)
- Use managed disks:** No (Classic) or Yes (Aligned) (selected)

The bottom of the image shows a Windows taskbar with the search bar and various application icons.

VM2 creation is in progress

The screenshot shows the Azure portal interface with the deployment 'CreateVm-MicrosoftWindowsServer.WindowsServer-201-20200826111303' in progress. The deployment details table lists the following resources:

Resource	Type	Status	Operation details
VM2	Microsoft.Compute/virtualMachines	Created	Operation details
vm2595	Microsoft.Network/networkInterfaces	Created	Operation details
VM2-ip	Microsoft.Network/publicIPAddresses	OK	Operation details
VM2-nsg	Microsoft.Network/networkSecurityGroups	OK	Operation details
VMvnet108	Microsoft.Network/virtualNetworks	OK	Operation details
storageaccountform2	Microsoft.Storage/storageAccounts	OK	Operation details
Availabilityset1	Microsoft.Compute/availabilitySets	OK	Operation details

Deployment details: Start time: 8/26/2020, 11:29:05 AM; Correlation ID: 0454d941-d34c-461b-b895-93653e9bec3a. The interface also includes a left sidebar with navigation options like Overview, Inputs, Outputs, and Template, and a right sidebar with Security Center and Free Microsoft tutorials.

VM2 is created

The screenshot shows the Azure portal interface for the virtual machine 'VM2'. The 'Essentials' section displays the following information:

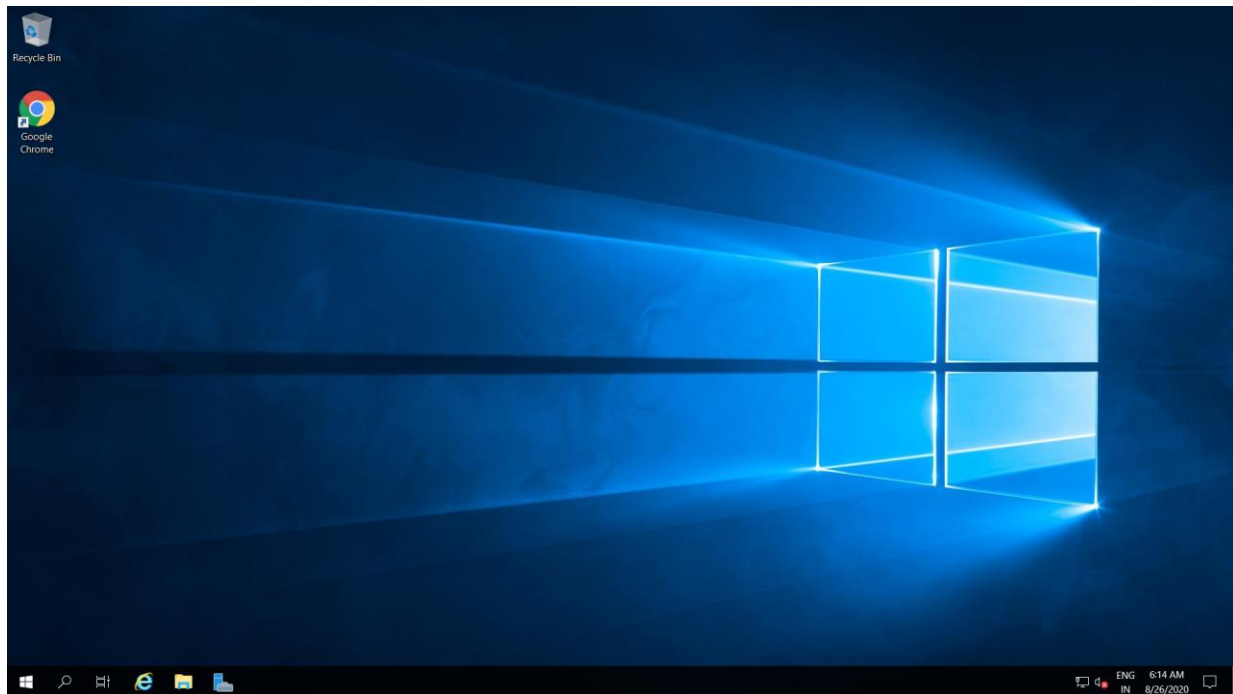
- Resource group (change): VM
- Status: Running
- Location: East US
- Subscription (change): Free Trial
- Subscription ID: a7b0db54-0cb5-46ab-a28c-bc03dd36e26c
- Tags (change): [Click here to add tags](#)
- Operating system: Windows
- Size: Standard B2s (2 vcpus, 4 GiB memory)
- Public IP address: 52.224.31.7
- Virtual network/subnet: VMvnet108/default
- DNS name: [Configure](#)

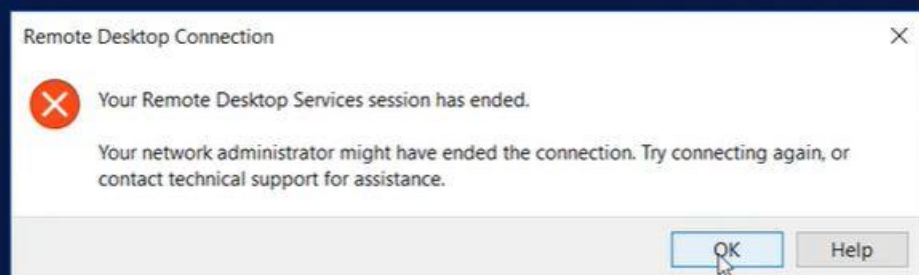
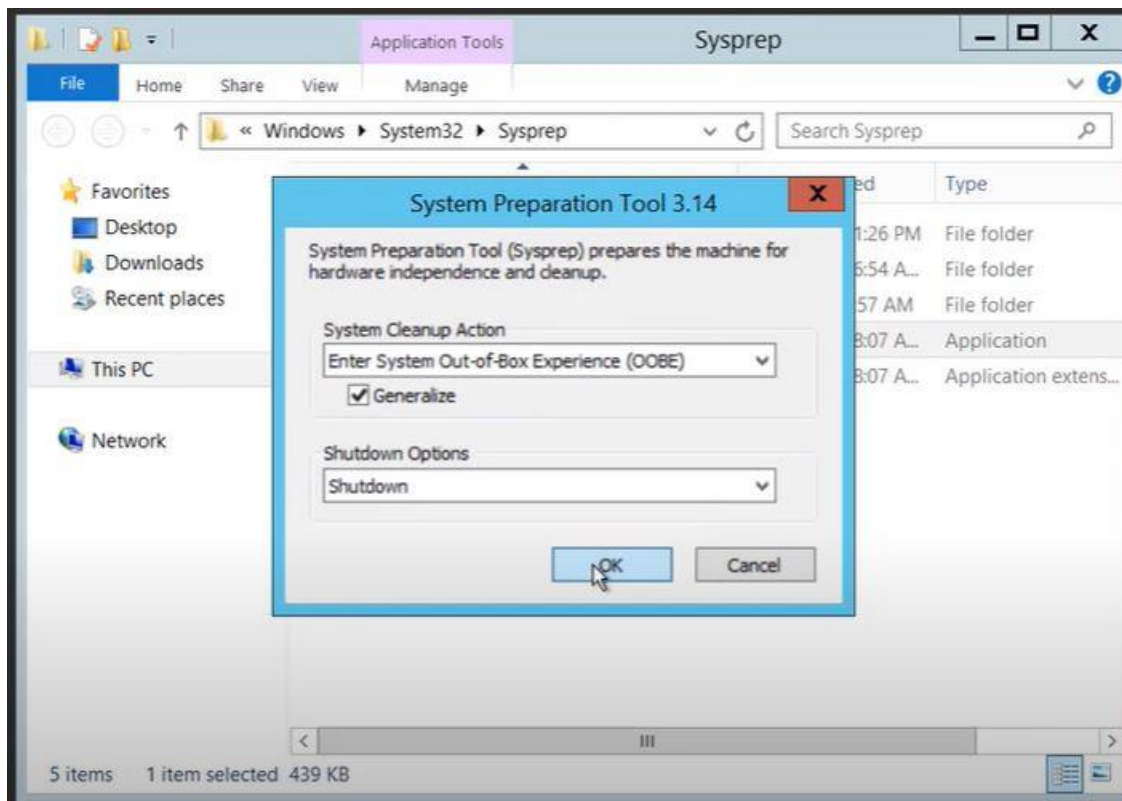
The 'Properties' section shows details about the virtual machine:

Property	Value
Computer name	(not available)
Operating system	Windows
SKU	2019-Datacenter
Publisher	MicrosoftWindowsServer
VM generation	V1
Agent status	Not Ready
Agent version	Unknown
Host	None

The 'Networking' section shows the public IP address 52.224.31.7 and the virtual network/subnet VMvnet108/default. The 'Size' section shows the size Standard B2s.

I have installed chrome in this VM2 and after that I generalize this VM2 by running sysprep in the run window. The images are as follows





I have created an image by clicking capture in VM2

Slack | hybrid_cloud_alchemy_sci | Assessments - Google Drive | Create an image - Microsoft Azure | Gold Image in Azure VM - YouTube

portal.azure.com/#@nagasaibatchu123outlook.onmicrosoft.com/resource/subscriptions/a7b0db54-0cb5-46ab-a28c-bc03dd36e26c/resourceGroups/VM/providers/Microsoft.Compute/virtualMachines...

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Virtual machines > VM2 >

Create an image

Before creating an image, use "sysprep/generalize" to prepare the Windows guest OS on the virtual machine. If you create an image from a virtual machine that hasn't been generalized, any virtual machines created from that image won't start. Click here to learn more.

Name * VM2-image-20200826124056

Resource group * VM

Before creating the image, this virtual machine will be deallocated automatically

☐ Automatically delete this virtual machine after creating the image

Zone resiliency ☒ On ☐ Off

⚠ Capturing a virtual machine image will make the virtual machine unusable. This action cannot be undone.

Type the virtual machine name * VM2

Create

After the image is created, using that image I created another VM named as VM3 and made that VM3 in the availability set. The image related to that is as follows.

Slack | hybrid_cloud_alchemy_sci | Assessments - Google Drive | Create a virtual machine - Microsoft Azure | Gold Image in Azure VM - YouTube

portal.azure.com/#@nagasaibatchu123outlook.onmicrosoft.com/resource/subscriptions/a7b0db54-0cb5-46ab-a28c-bc03dd36e26c/resourceGroups/VM/providers/Microsoft.Compute/images/V...

Microsoft Azure Upgrade Search resources, services, and docs (G+)

Home > Images > VM2-image-20200826124056 >

Create a virtual machine

Subscription Free Trial

Resource group * VM

Instance details

Virtual machine name * VM3

Region (US) East US

Availability options Availability set

Availability set * Availabilityset1

Image * VM2-image-20200826124056 - Gen1

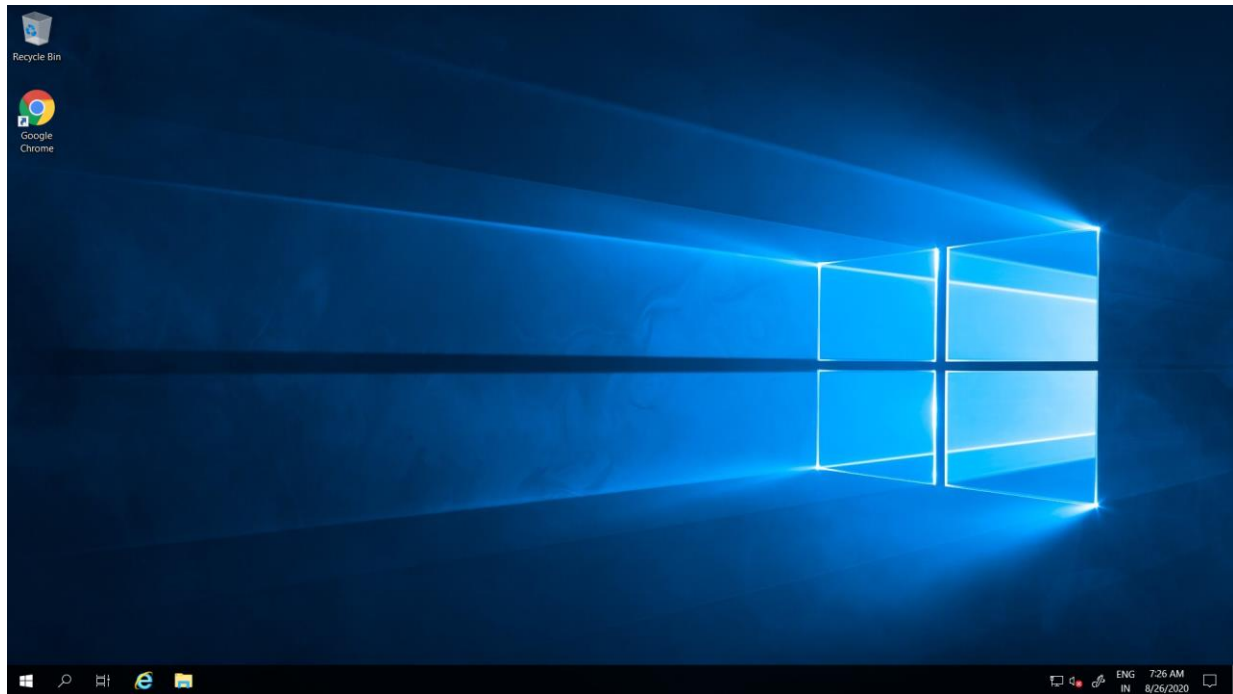
Azure Spot instance ☐ Yes ☒ No

Size * Standard_B2s - 2 vcpus, 4 GiB memory (¥2,393.21/month)

Administrator account

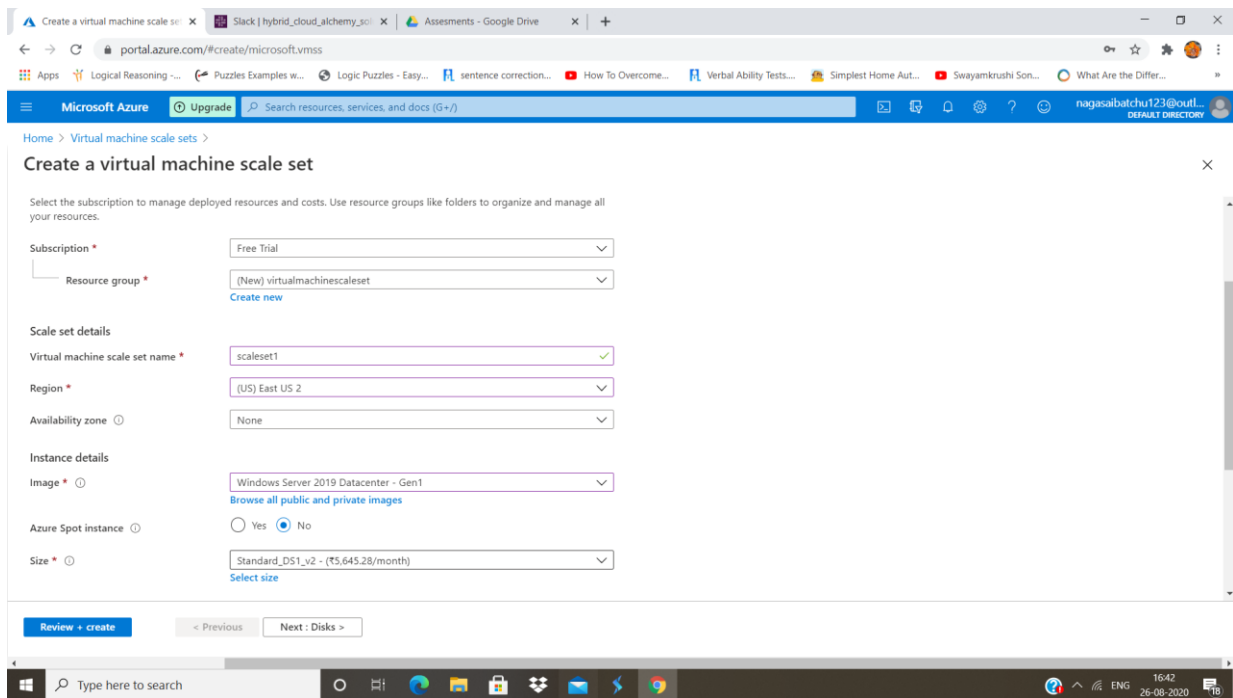
Review + create < Previous Next : Disks >

Since the VM3 is created using that image whatever the applications in that image they get installed in Vm3 by default. so, chrome get installed by default in VM3.

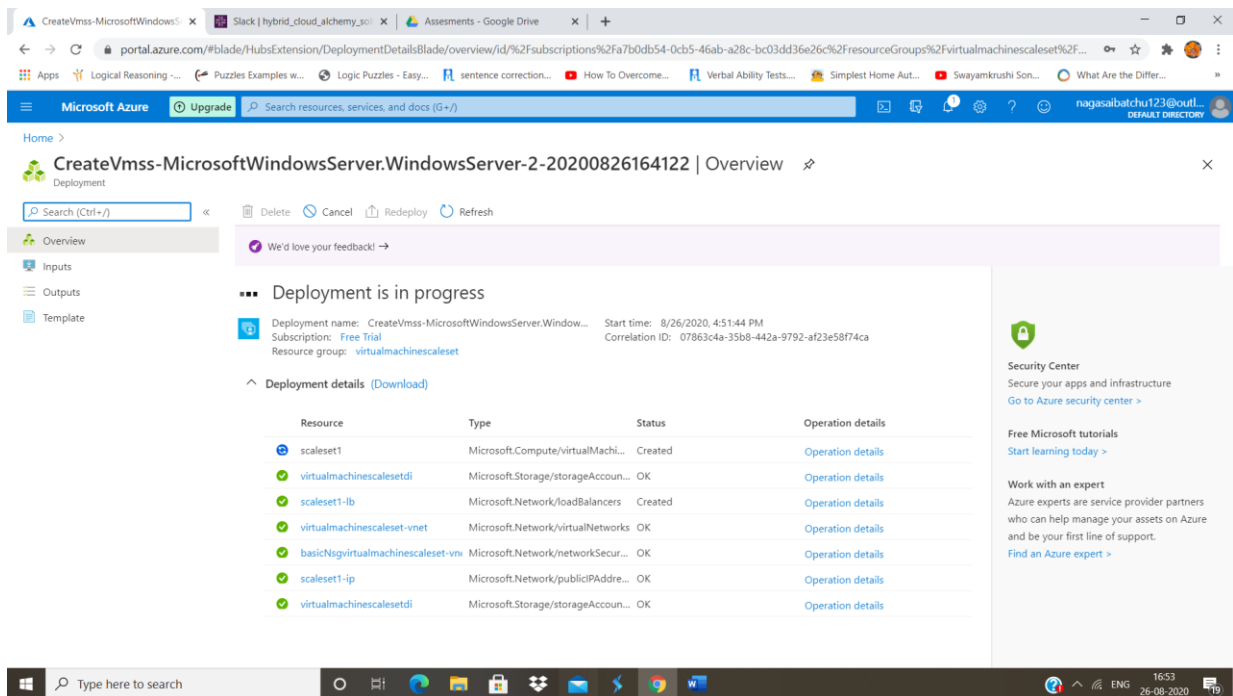


2.Create a Virtual machine scale set with DS1-v2 standard

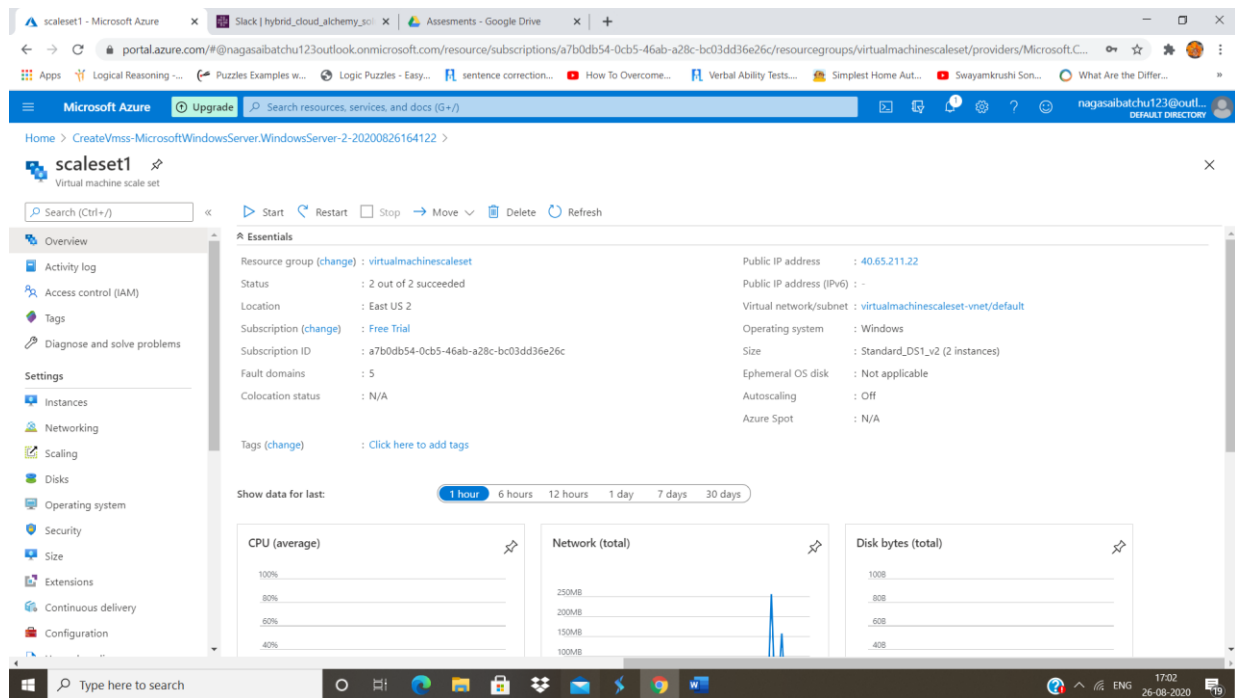
I have created virtual machine scale set with DS1-v2 standard and the image related to it is as follows.



These are the deployment details of scaleset1



Scaleset1 is created with DS1-v2 standard



3.Create a blob storage account with GRS standard and enable the blob soft delete with 15 days retention period also it should be able to connect with Azure storage explorer.

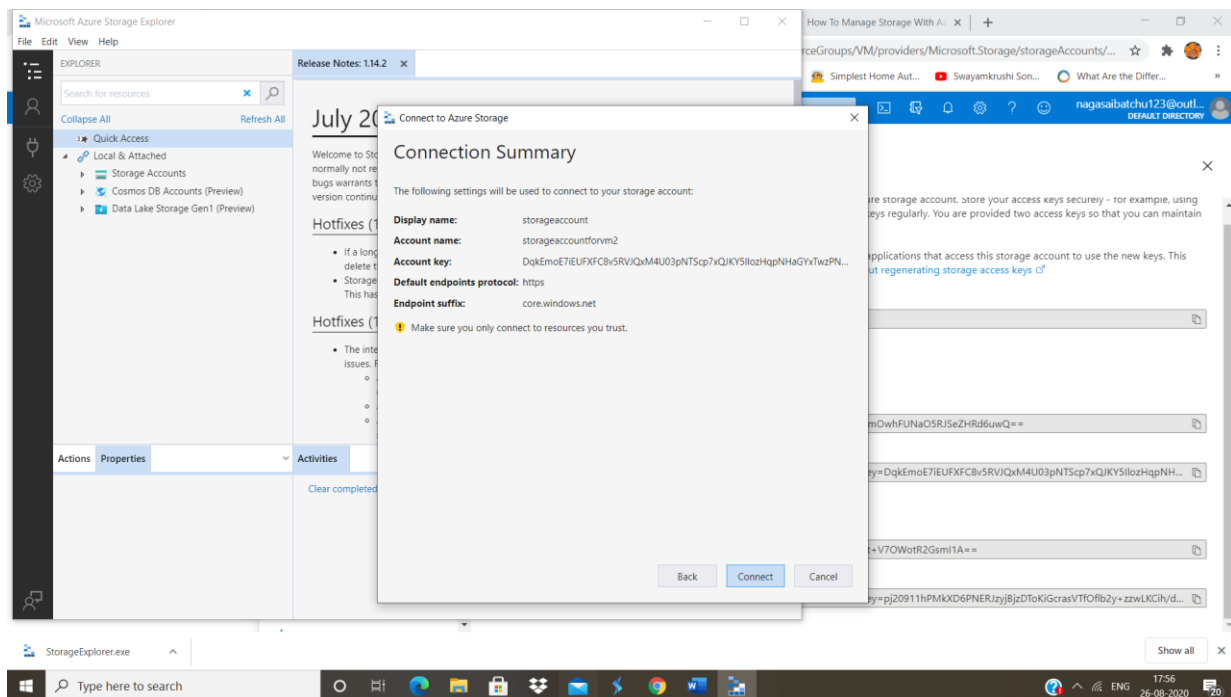
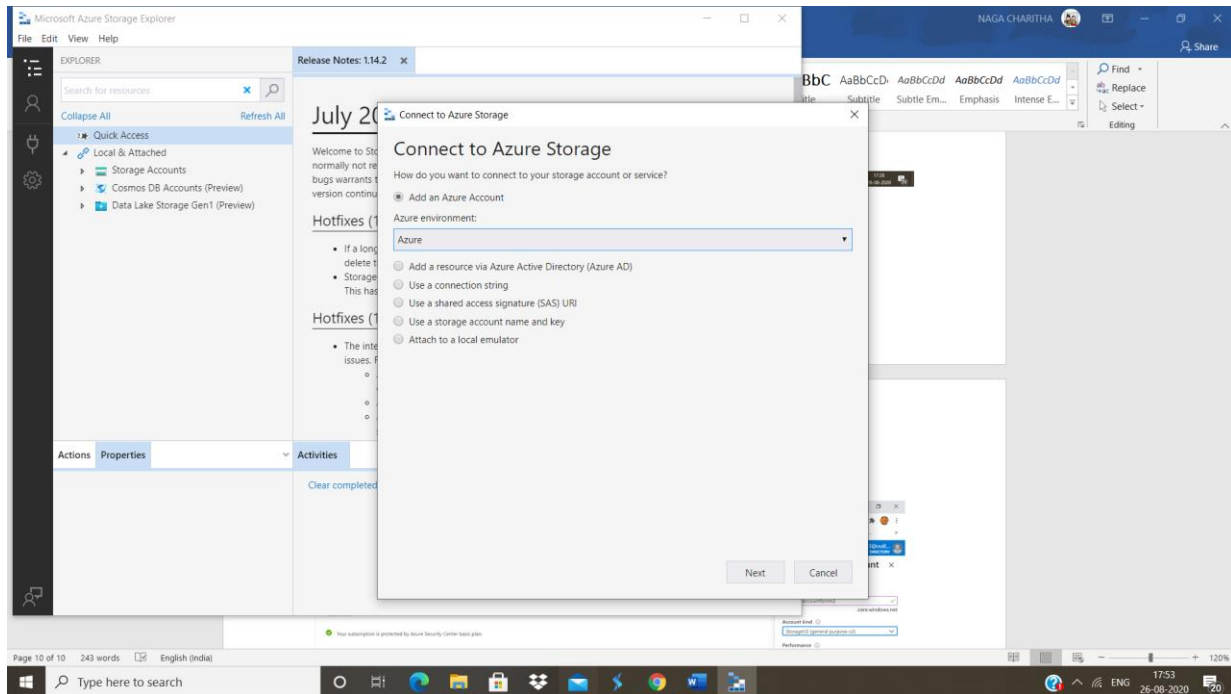
I have created a storage account with Geo-Redundancy Storage standard and the image is as follows

The screenshot shows the Microsoft Azure portal interface. The left sidebar displays the 'Storage accounts' section with a list of accounts: 'storageaccountform2', 'virtualmachinescalesetdi', and 'vmdiag474'. The main content area shows the 'storageaccountform2' overview page. It includes a search bar, navigation links (Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Data transfer, Events, Storage Explorer (preview), Settings, Access keys, Geo-replication, CORS, Configuration, Encryption, Shared access signature, Firewalls and virtual networks, Private endpoint connections), and a list of 'Essentials' (Resource group, Status, Location, Subscription, Subscription ID, Tags). Below this, there are three cards for 'Containers', 'File shares', and 'Tables', each with a 'Learn more' link. The bottom of the screen shows the Windows taskbar with the search bar and system tray.

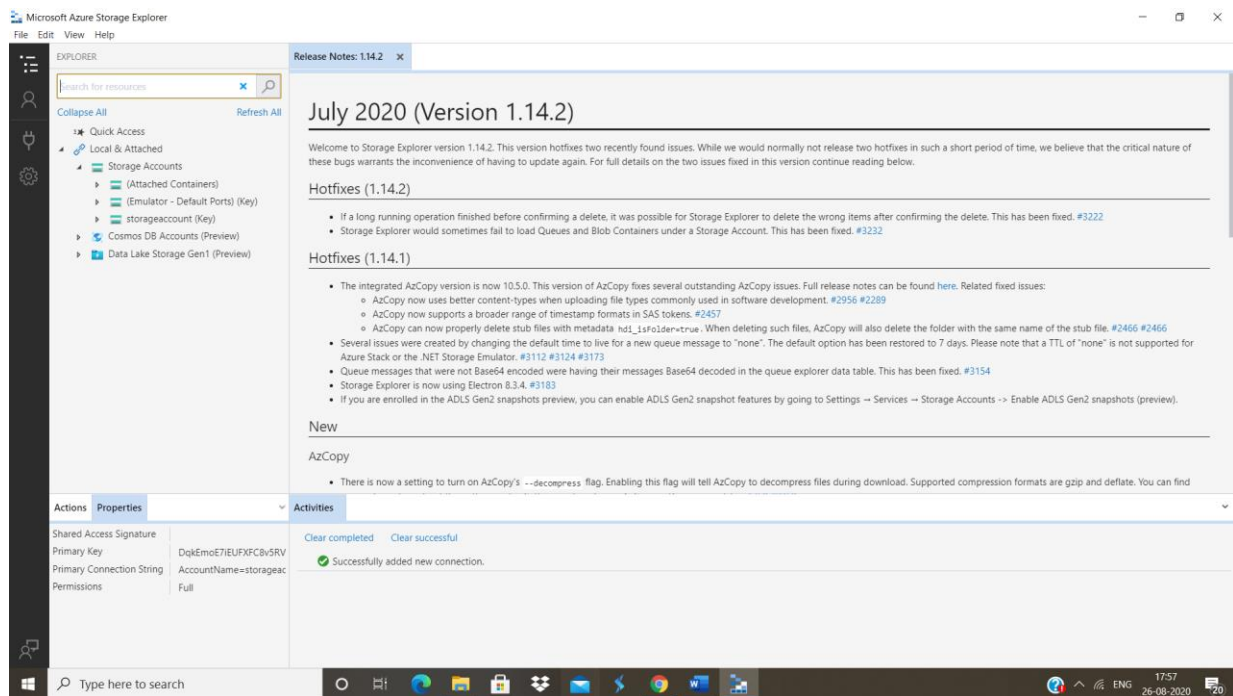
I enabled soft delete with 15 days retainment period

The screenshot shows the Microsoft Azure portal interface, specifically the 'Soft delete' settings page for the 'storageaccountform2' storage account. The left sidebar displays the 'Storage accounts' section with a list of accounts: 'storageaccountform2', 'virtualmachinescalesetdi', and 'vmdiag474'. The main content area shows the 'Soft delete' settings page. It includes a search bar, navigation links (Properties, Locks, Export template, Blob service, Containers, Custom domain, Data protection, Azure CDN, Add Azure Search, Lifecycle Management, File service, File shares, Soft delete, Table service, Tables, Queue service), and a 'File share soft delete' section. This section has a 'File share soft delete' toggle set to 'Enabled' and a 'Retention policies' section with a 'File share retention period in days' slider set to 15 days. The bottom of the screen shows the Windows taskbar with the search bar and system tray.

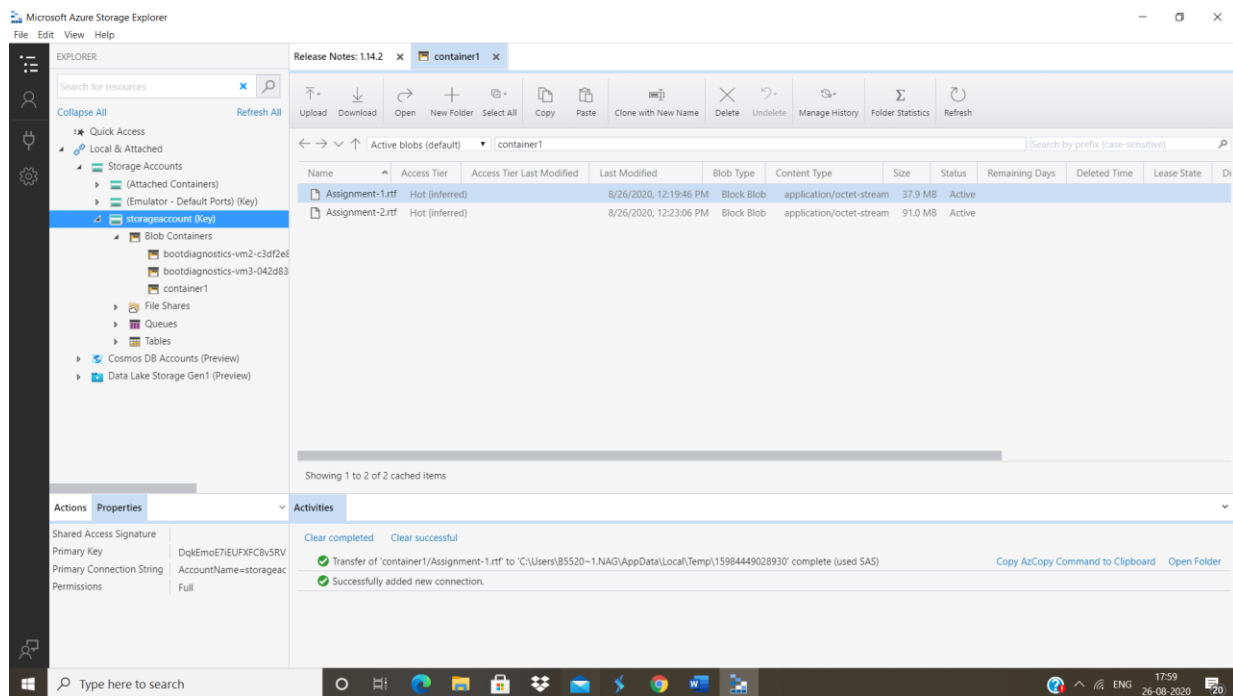
I have installed that azure storage explorer in my host pc and connecting storageaccountform2 using storage account name and key. The images are as follows.



The connection is successful between storage account and storage explorer.



I have opened my storage account in that azure storage explorer. The image is as follows.



4.Configure the V-net and create 3 subnets in the V-net

This is the virtual network I have created.

The screenshot shows the Microsoft Azure portal interface. The left sidebar displays the 'Virtual networks' section with a list of virtual networks: 'virtualmachinescaleset-vnet', 'VM-vnet', and 'VMvnet108'. The main pane shows the configuration for 'virtualmachinescaleset-vnet'. The 'Overview' tab is selected, displaying the following details:

- Resource group:** virtualmachinescaleset
- Location:** East US 2
- Subscription ID:** a7b0db54-0cb5-46ab-a28c-bc03dd36e26c
- Address space:** 10.0.2.0/24, 1 more
- DNS servers:** Azure provided DNS service

The 'Connected devices' section shows a table with the following data:

Device	Type	IP Address	Subnet
scaleset1 (instance 0)	Virtual machine scale set	10.0.2.4	default
scaleset1 (instance 1)	Virtual machine scale set	10.0.2.5	default

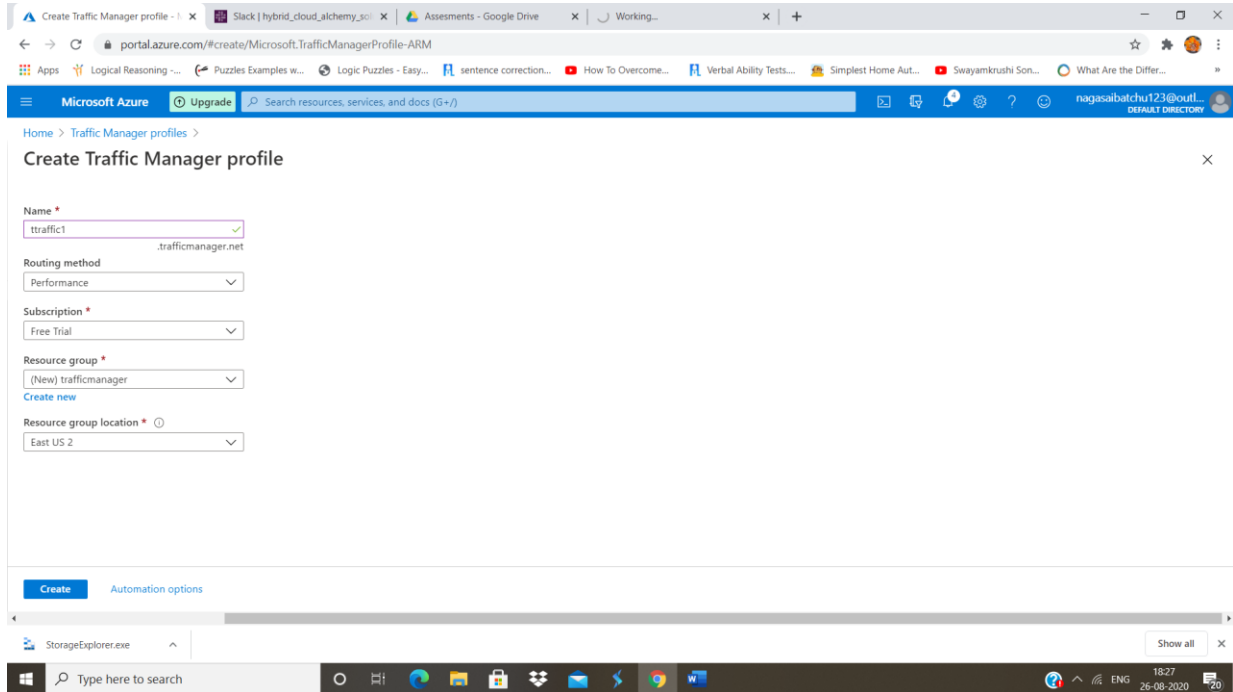
I have created three subnets and the image is as follows

The screenshot shows the Microsoft Azure portal interface, specifically the 'Subnets' tab for the 'virtualmachinescaleset-vnet' virtual network. The 'Subnets' section displays a table with the following data:

Name	IPv4	IPv6 (many available)	Delegated to	Security group
default	10.0.2.0/24 (249 available)	-	-	-
subnet1	10.20.0.0/24 (251 available)	-	-	-
subnet2	10.20.1.0/24 (251 available)	-	-	-
subnet3	10.20.2.0/24 (251 available)	-	-	-

5.Create a traffic manager with performance routing method

I have selected the routing method as performance



Traffic manager is created with performance as routing method

