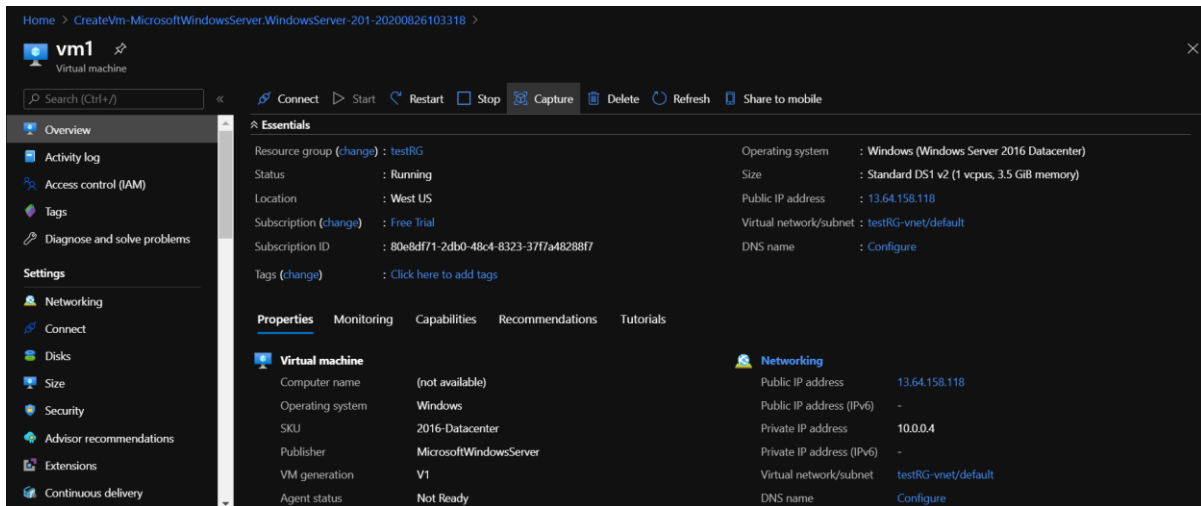
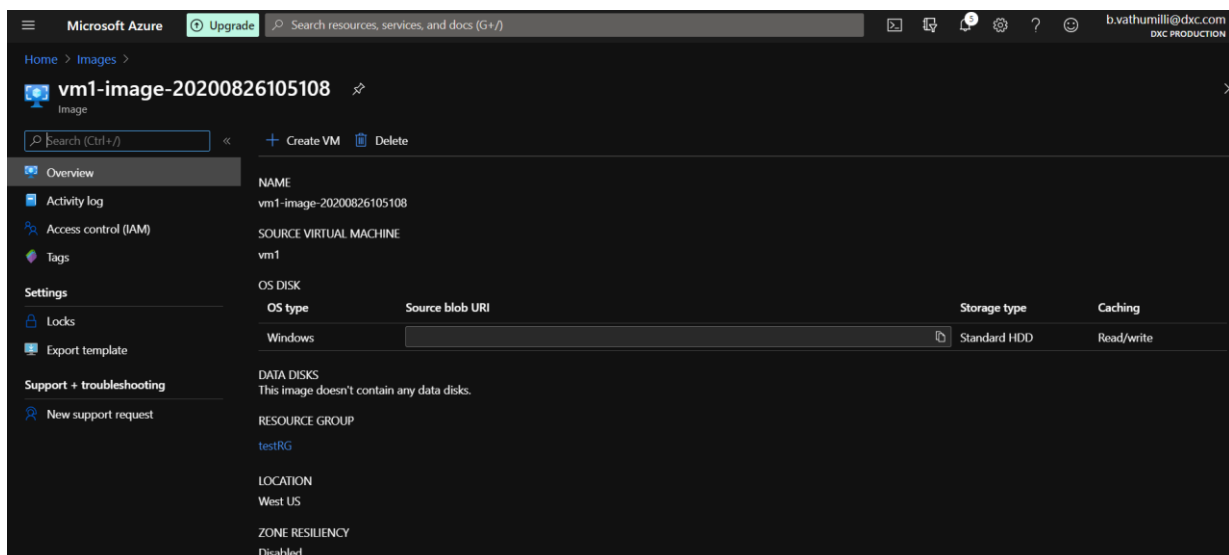
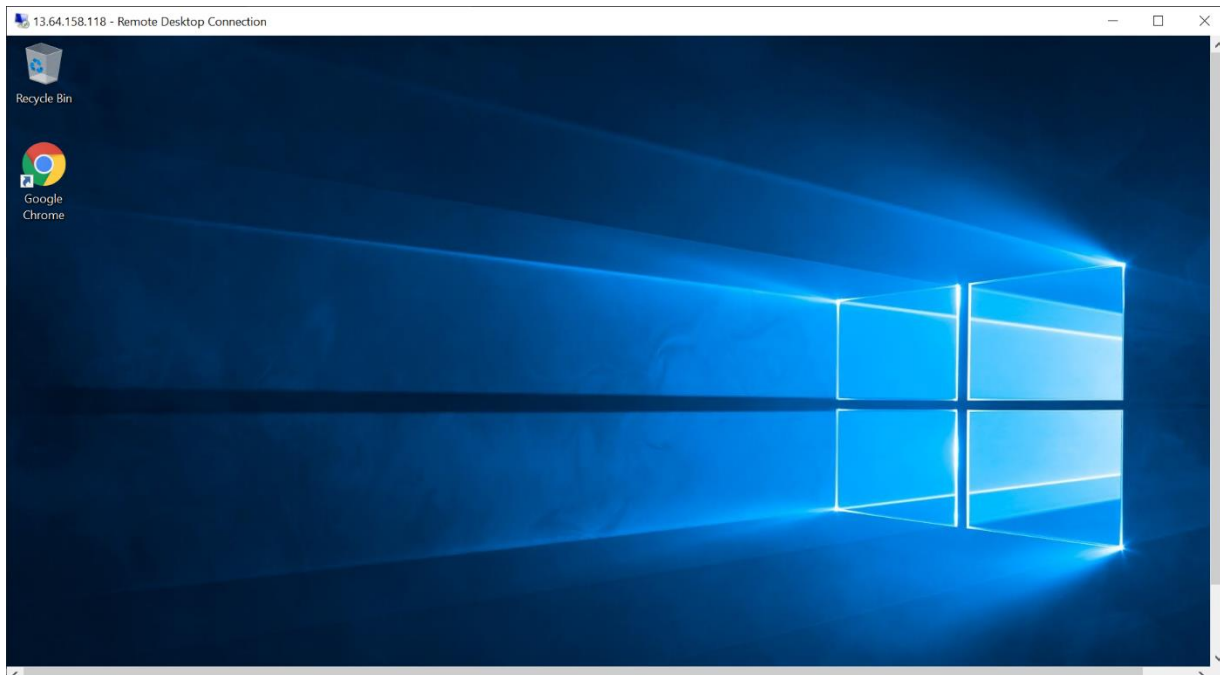


# ASSESSMENT-1

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



Here, first I create a vm named VM1 and in that vm I installed chrome browser.



From that vm1 I created a custom image.

Home > Images > vm1-image-20200826105108 >

Create a virtual machine

Subscription ⓘ

Free Trial

Resource group \* ⓘ

testRG

Create new

Instance details

Virtual machine name \* ⓘ

availablevm

Region ⓘ

(US) West US

Availability options ⓘ

Availability set

Availability set \* ⓘ

(new) testset

Create new

Image \* ⓘ

vm1-image-20200826105108 - Gen1

Browse all public and private images

Azure Spot instance ⓘ

Yes

No

Size \* ⓘ

Standard\_DS1\_v2 - 1 vcpu, 3.5 GiB memory (₹6,079.53/month)

Review + create

< Previous

Next : Disks >

Home > CreateVm-vm1-image-20200826105108-20200826105425 >

availablevm

Virtual machine

Search (Ctrl+/)

ConnectStartRestartStopCaptureDeleteRefreshShare to mobile

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

Networking

Connect

Disks

Size

Security

Advisor recommendations

Extensions

Continuous delivery

Essentials

Resource group (change)

testRG

Status

Running

Location

West US

Subscription (change)

Free Trial

Subscription ID

80e8df71-2db0-48c4-8323-37f7a48288f7

Tags (change)

Click here to add tags

Operating system

Windows (Windows Server 2016 Datacenter)

Size

Standard DS1 v2 (1 vcpus, 3.5 GiB memory)

Public IP address

104.42.187.72

Virtual network/subnet

testRG-vnet/default

DNS name

Configure

Properties

Monitoring

Capabilities

Recommendations

Tutorials

Virtual machine

Computer name

vm1

Operating system

Windows (Windows Server 2016 Datacenter)

SKU

N/A

Publisher

N/A

VM generation

V1

Agent status

Ready

Networking

Public IP address

104.42.187.72

Public IP address (IPv6)

-

Private IP address

10.0.0.5

Private IP address (IPv6)

-

Virtual network/subnet

testRG-vnet/default

DNS name

Configure

From that custom image I created vm named availablevm with availability set named testset.

Home > CreateVm-vm1-image-20200826105108-20200826105425 > availablevm

availablevm | Availability + scaling

Virtual machine

Search (Ctrl+/)

ConnectDisksSizeSecurityAdvisor recommendationsExtensionsContinuous deliveryAvailability + scalingConfigurationIdentityPropertiesLocksExport templateOperations

The availability set can only be configured when creating a virtual machine. You must

Availability set

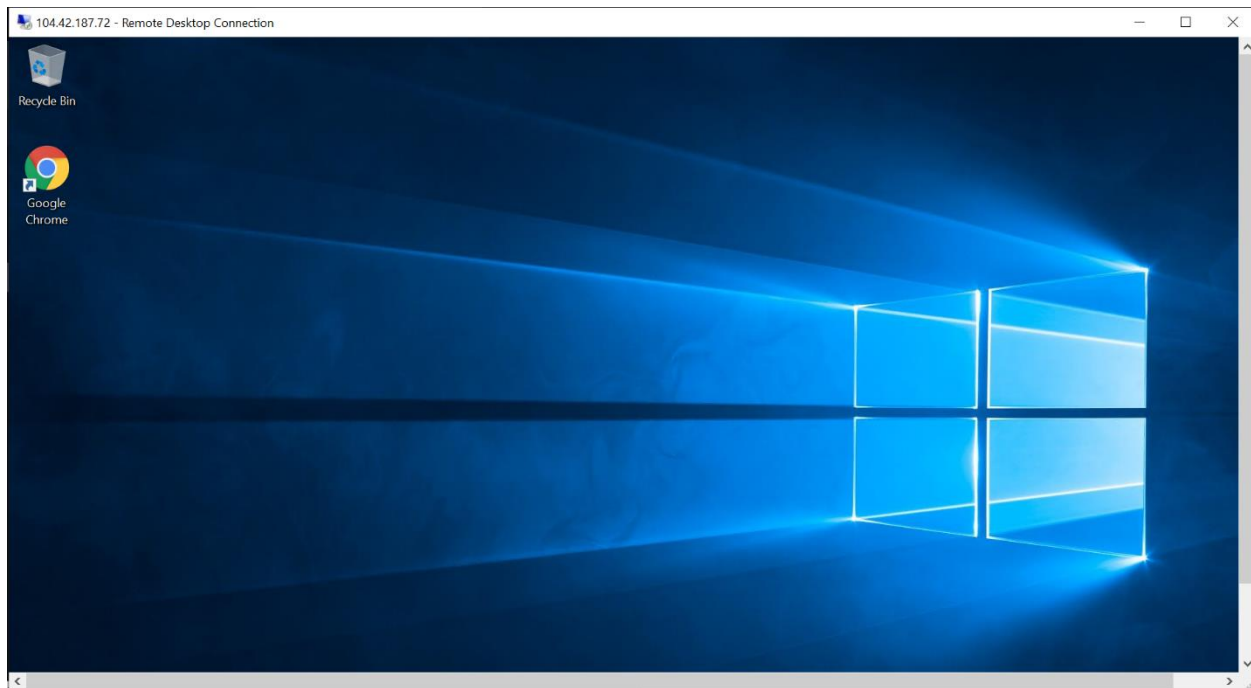
TESTSET

Current fault domain ⓘ

0

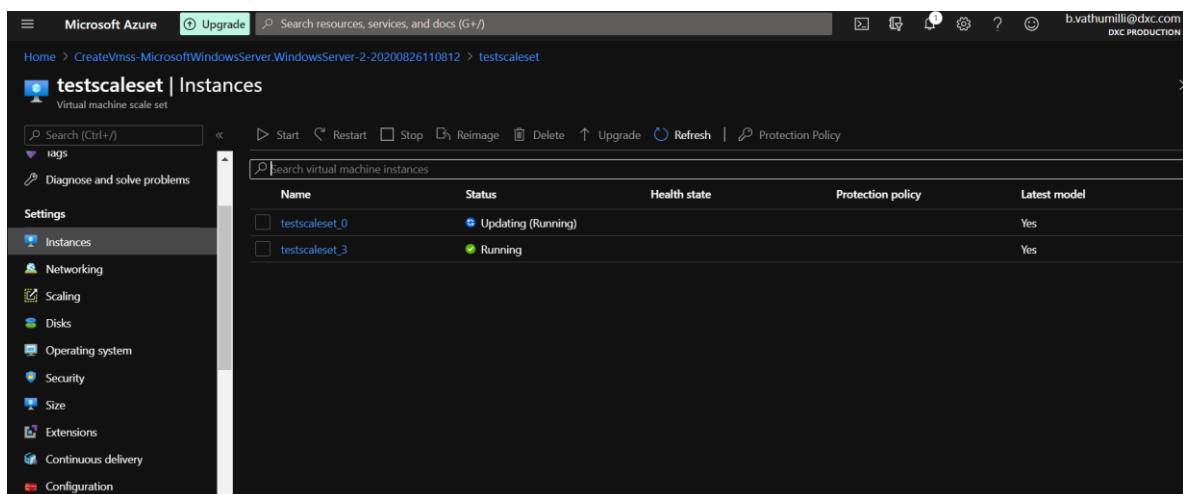
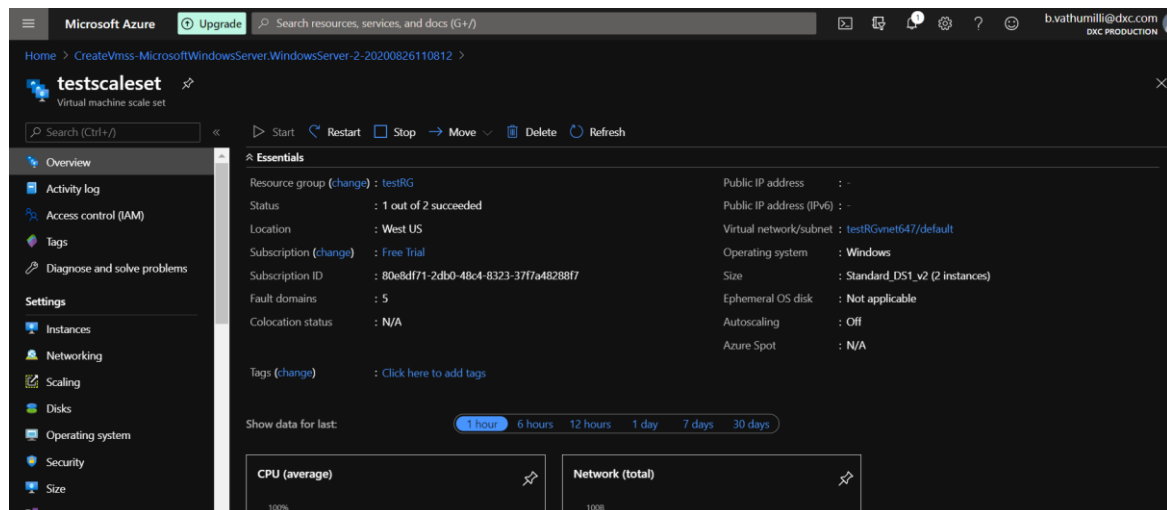
Current update domain ⓘ

0



The above snip shows the newly created vm with chrome preinstalled.

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



Here I create Virtual machine scale set named testscaset 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

Home > Storage accounts >

## Create storage account

Resource group \* (New) testRG [Create new](#)

**Instance details**

The default deployment model is Resource Manager, which supports the latest Azure features. You may choose to deploy using the classic deployment model instead. [Choose classic deployment model](#)

Storage account name \* ○ teststorageblob11 ✓

Location \* (US) East US ✓

Performance ○ Standard ○ Premium

Account kind ○ StorageV2 (general purpose v2) ✓

Replication ○ Geo-redundant storage (GRS) ✓

Access tier (default) ○ Cool ○ Hot

[Review + create](#) < Previous Next : Networking >

Home > Storage accounts >

## Create storage account

Basics Networking **Data protection** Advanced Tags Review + create

**Recovery**

☒ Turn on soft delete for blobs  
Soft delete enables you to recover blobs that were previously marked for deletion, including blobs that were overwritten. [Learn more](#)

Keep deleted blobs for (in days) ○ 15 ✓

☐ Turn on soft delete for containers  
Sign up is currently required to utilize the Container soft delete feature on a per-subscription basis. [Learn more about container soft delete](#)

Soft delete enables you to recover containers that were previously marked for deletion. [Learn more](#)

☐ Turn on soft delete for file shares  
Soft delete enables you to recover file shares that were previously marked for deletion. [Learn more](#)

**Tracking**

☐ Turn on versioning

[Review + create](#) < Previous Next : Advanced >

Here I Create a storage account with GRS standard and enable the blob soft delete with 15 days retention period.

Home > Microsoft.StorageAccount-20200826112549 >

### teststorageblob11

Storage account

Search (Ctrl+/) < Open in Explorer → Move Refresh Delete Feedback

**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

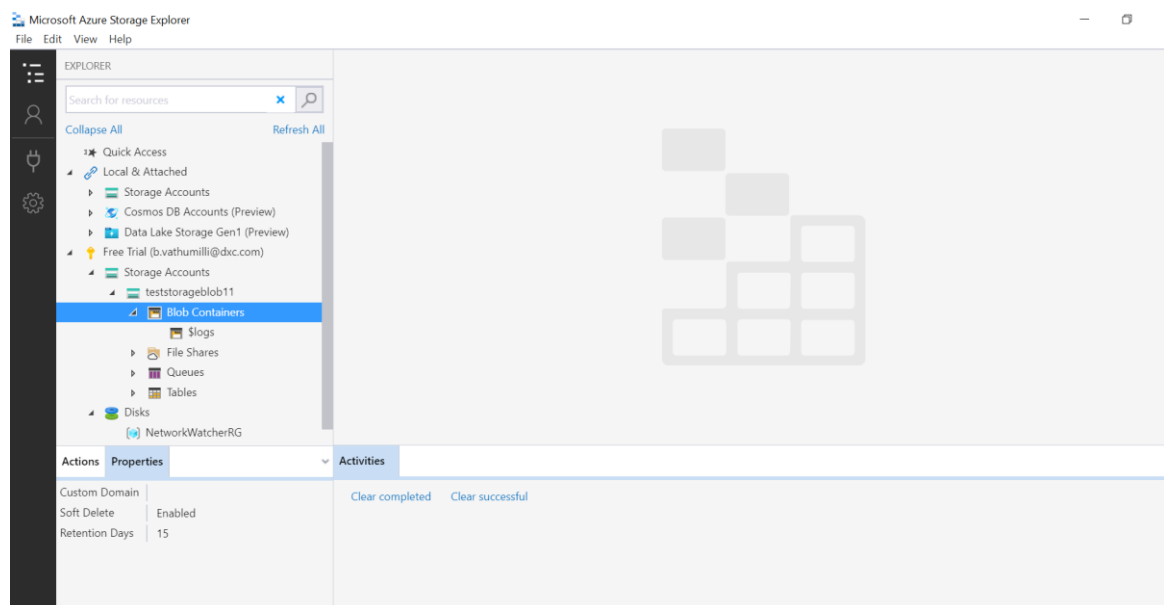
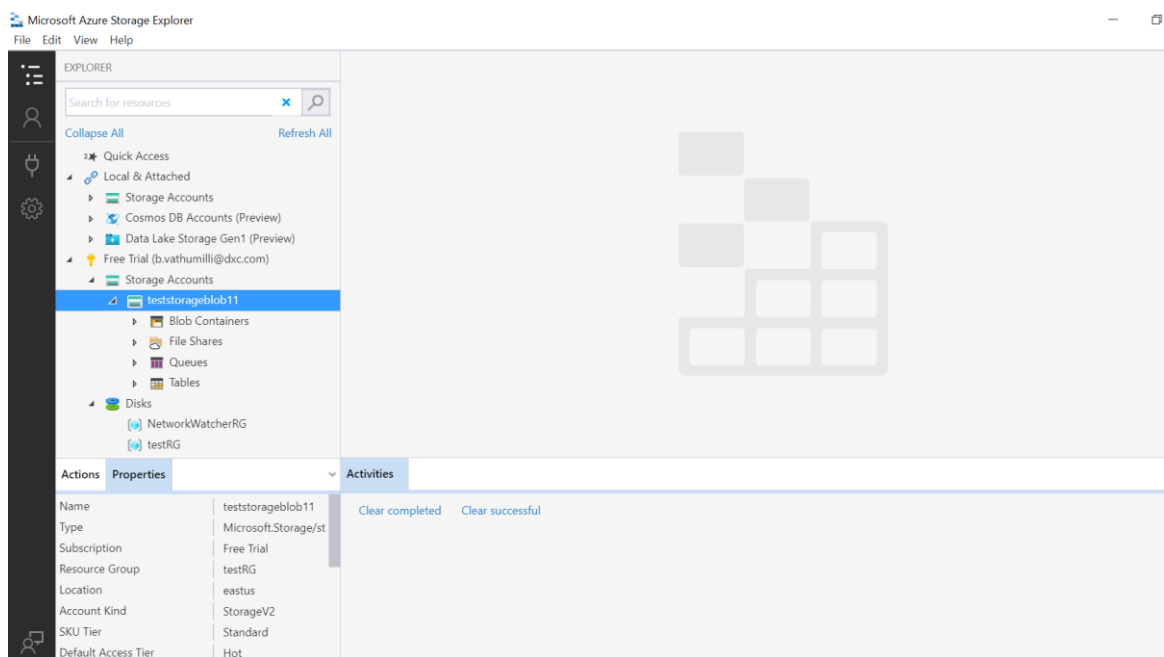
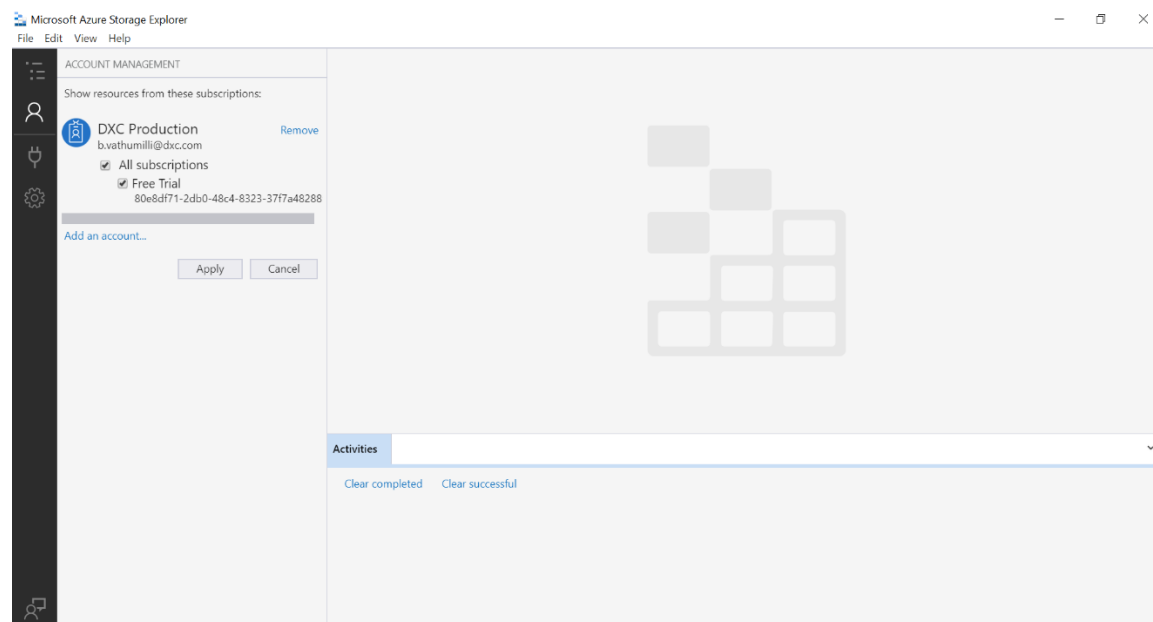
**Essentials**

Resource group (change)	: testRG	Performance/Access tier	: Standard/Hot
Status	: Primary: Available, Secondary: Available	Replication	: Geo-redundant storage (GRS)
Location	: East US, West US	Account kind	: StorageV2 (general purpose v2)
Subscription (change)	: Free Trial		
Subscription ID	: 80e8df71-2db0-48e4-8323-37f7a48288f7		
Tags (change)	: Click here to add tags		

**Containers**  
Scalable, cost-effective storage for unstructured data  
[Learn more](#)

**File shares**  
Serverless SMB file shares  
[Learn more](#)

**Tables**  
Tabular data storage  
[Learn more](#)



Here above I try to connect my storage account to Microsoft Azure storage explorer.

#### 4. Configure the Vnet and create 3 subnets in the Vnet

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

Home > Virtual networks >

## Create virtual network

Basics IP Addresses Security Tags Review + create

Azure Virtual Network (VNet) is the fundamental building block for your private network in Azure. VNet enables many types of Azure resources, such as Azure Virtual Machines (VM), to securely communicate with each other, the internet, and on-premises networks. VNet is similar to a traditional network that you'd operate in your own data center, but brings with it additional benefits of Azure's infrastructure such as scale, availability, and isolation. [Learn more about virtual network](#)

**Project details**

Subscription \*

Resource group \*  [Create new](#)

**Instance details**

Name \*

Region \*

[Review + create](#) < Previous [Next : IP Addresses >](#) [Download a template for automation](#)

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

Home > Virtual networks >

## Create virtual network

**IPv4 address space**

[Delete](#)

☐ Add IPv6 address space

The subnet's address range in CIDR notation (e.g. 192.168.1.0/24). It must be contained by the address space of the virtual network.

[+ Add subnet](#) [Remove subnet](#)

<input type="checkbox"/> Subnet name	Subnet address range
<input type="checkbox"/> subnet1	10.0.0.0/24
<input type="checkbox"/> subnet2	10.0.1.0/24
<input type="checkbox"/> subnet3	10.0.2.0/24

[Review + create](#) < Previous [Next : Security >](#) [Download a template for automation](#)

Home > Microsoft.VirtualNetwork-20200826121305 >

### vnwt1

Virtual network

Refresh Move Delete

**Overview**

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

**Settings**

- Address space
- Connected devices
- Subnets
- DDoS protection
- Firewall
- Security
- DNS servers
- Peerings

**Essentials**

Resource group (change) : testRG Address space : 10.0.0.0/16

Location : East US DNS servers : Azure provided DNS service

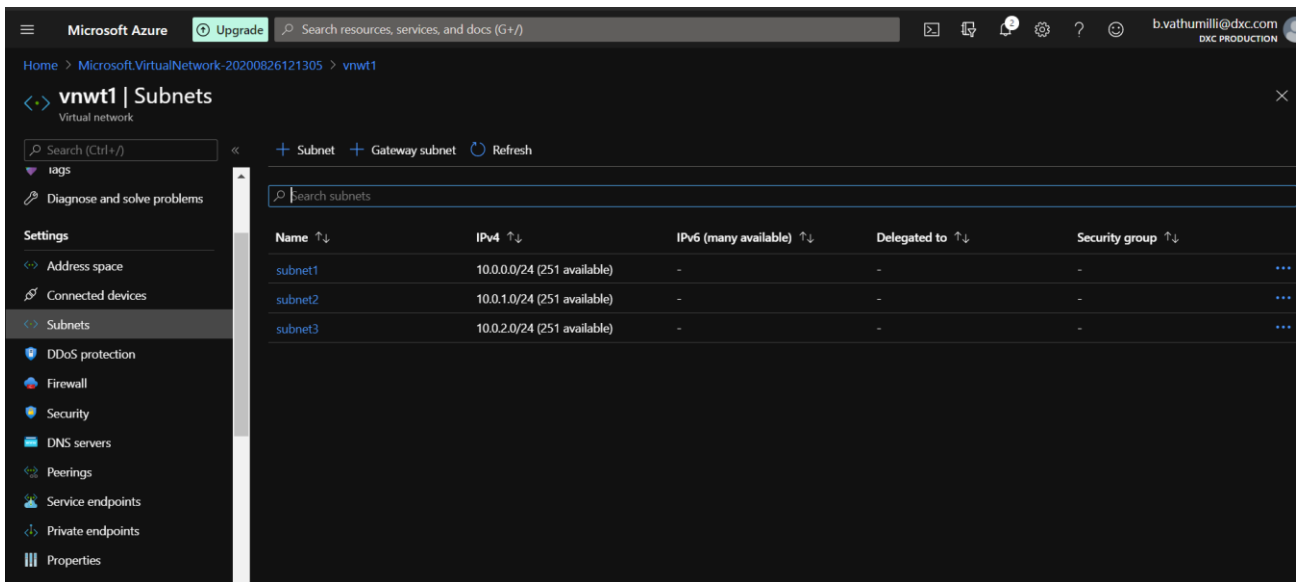
Subscription (change) : Free Trial

Subscription ID : 80e8df71-2db0-48c4-8323-37f7a48288f7

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

**Connected devices**

Device	Type	IP Address	Subnet
No results.			



Here I Configure the Vnet named vnw1 and create 3 subnets in that Vnet.

#### 5. Create a traffic manager with performance routing method

Home > Traffic Manager profiles >

## Create Traffic Manager profile

Name \*  
testnetspeed ✓  
.trafficmanager.net

Routing method  
Performance

Subscription \*  
Free Trial

Resource group \*  
testRG  
[Create new](#)

Resource group location ⓘ  
East US

[Create](#) [Automation options](#)

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

Home > Traffic Manager profiles > testnetspeed Traffic Manager profile

DXC Production

+ Add Manage view Filter by name...

Name testnetspeed

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

- Configuration
- Real user measurements
- Traffic view
- Endpoints
- Properties
- Locks
- Export template

Monitoring

Enable profile Disable profile Refresh Move Delete profile

Essentials

Resource group (change) testRG DNS name http://testnetspeed.trafficmanager.net

Status Enabled Monitor status Inactive

Subscription (change) Free Trial Routing method Performance

Subscription ID 80e8df71-2db0-48c4-8323-37f7a48288f7

Tags (change) Click here to add tags

Search endpoints

Name	Status	Monitor status	Type	Location
No results.				

Page 1 of 0

Here I create a traffic manager profile with performance routing method.