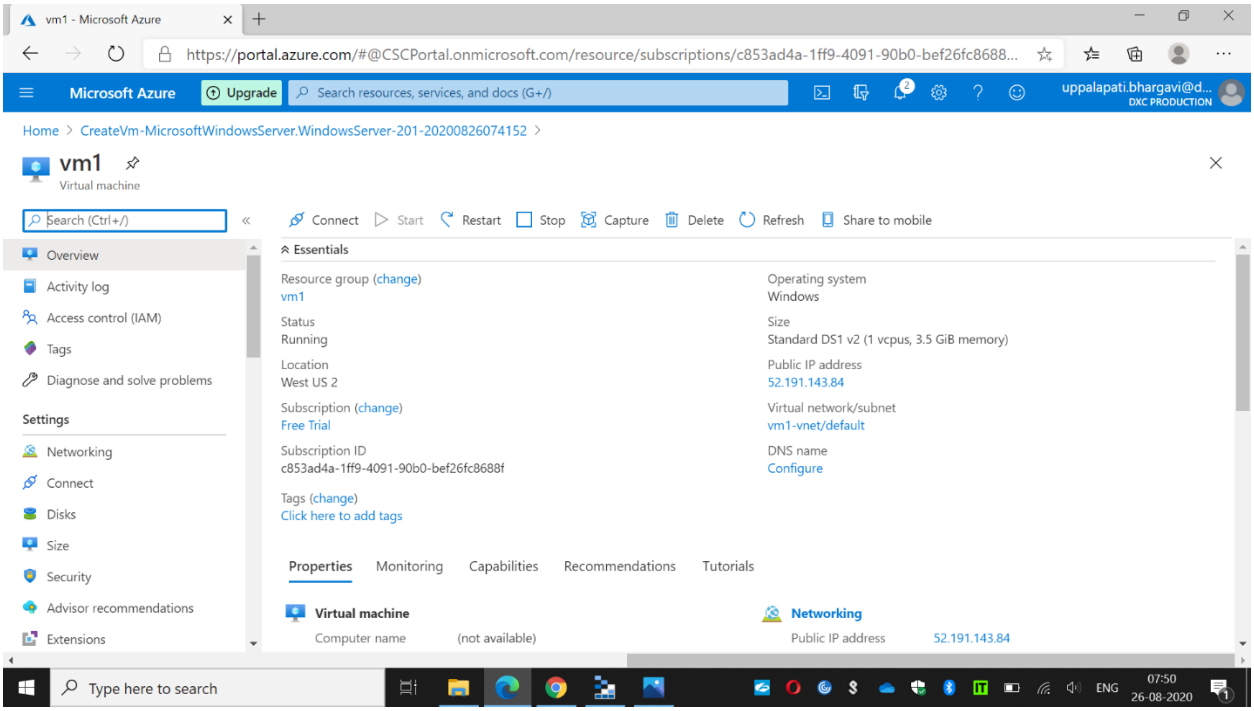
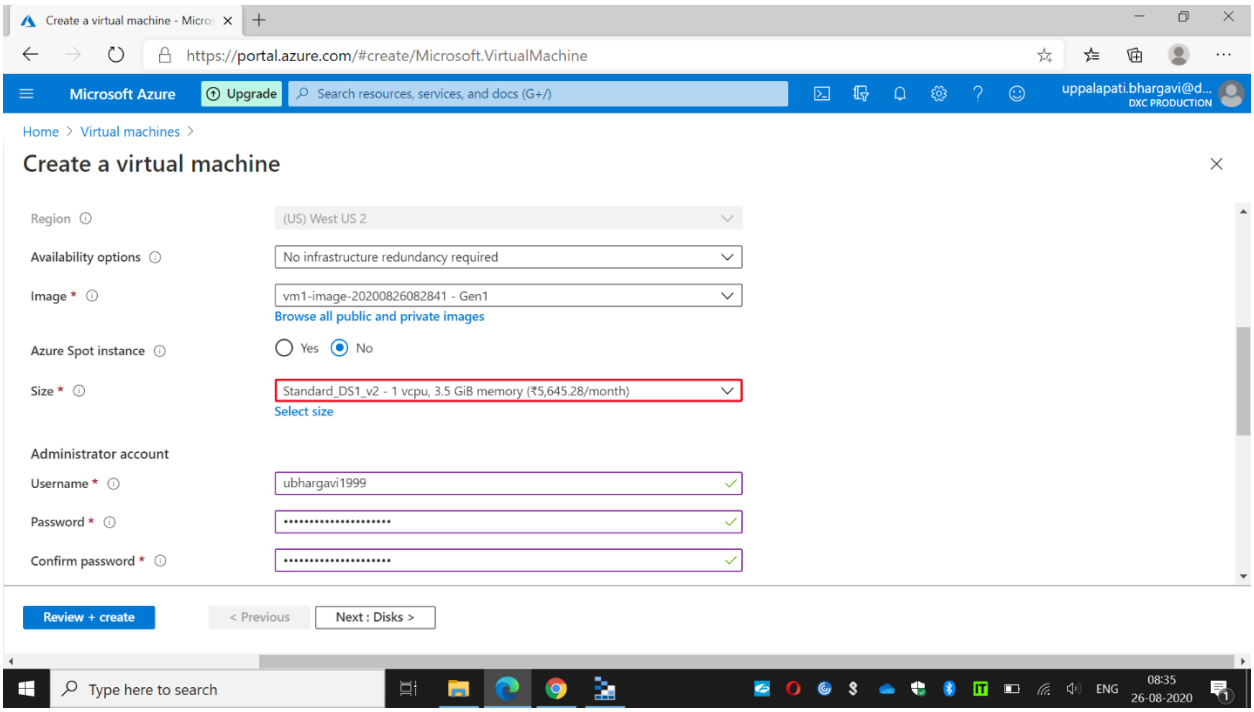
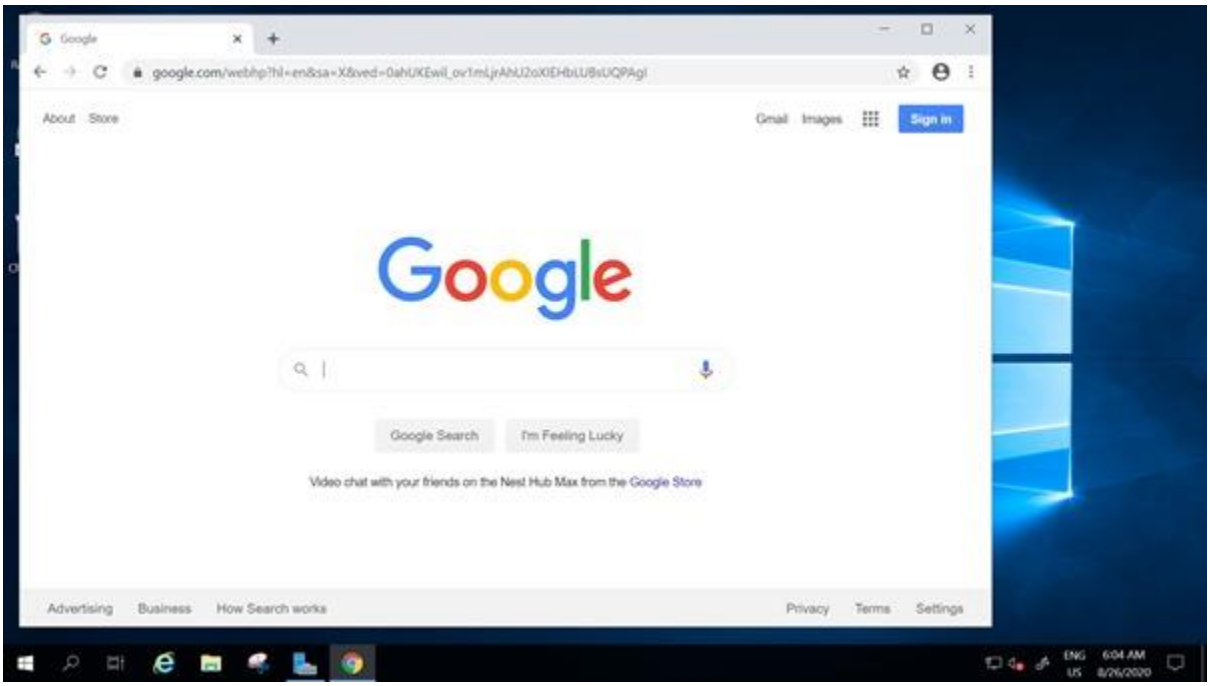
1) Deploy the custom image with any application installed.



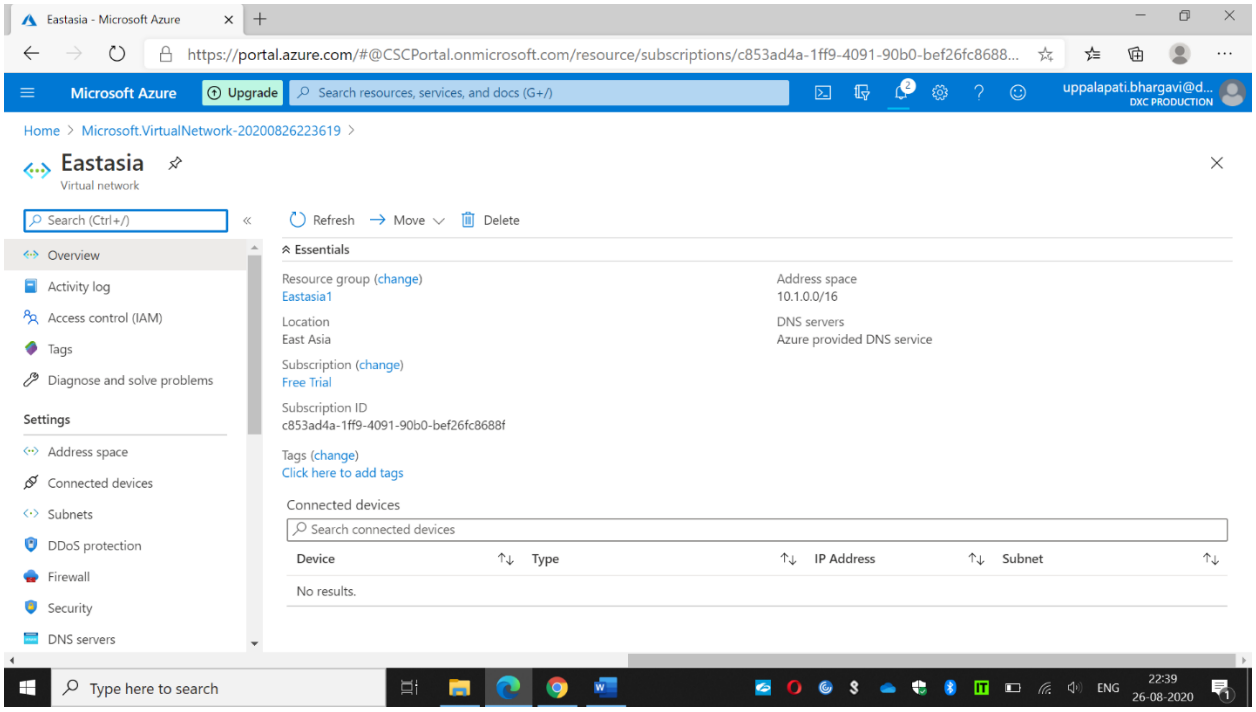
I have Created a virtual machine

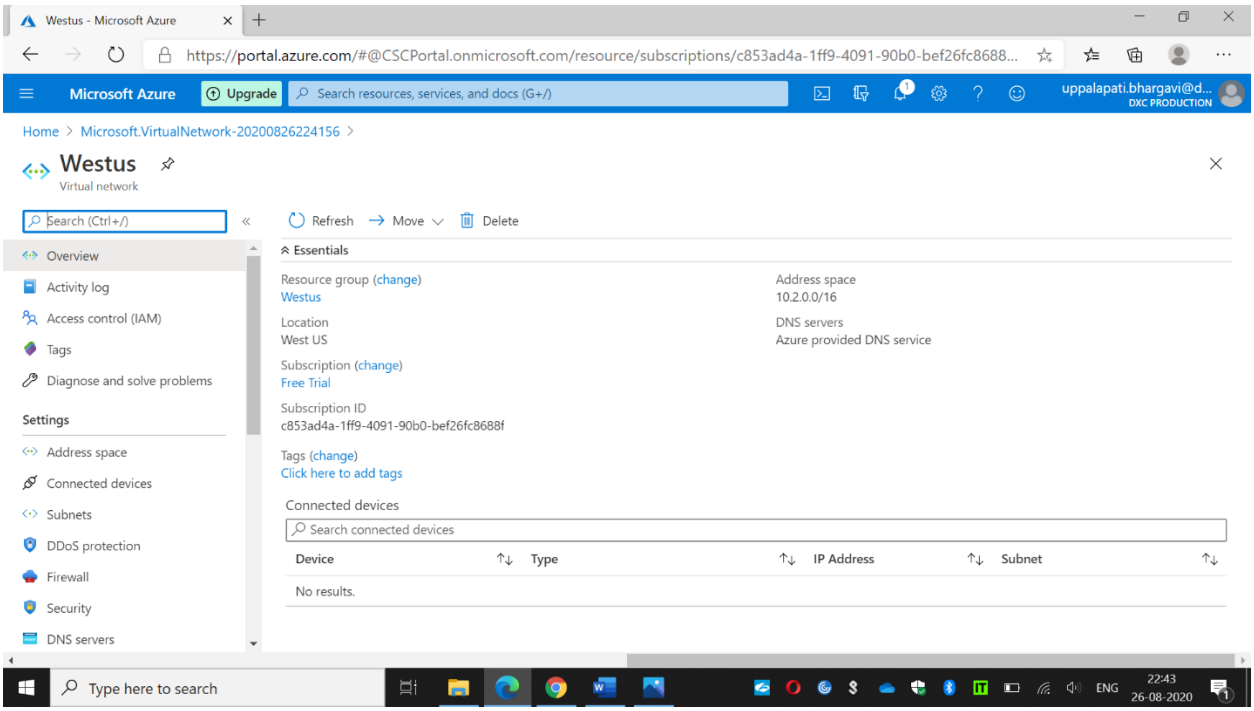


I have created image of an VM with chrome installed and next I have created a VM with the image created. The new VM created is having the chrome pre-installed.

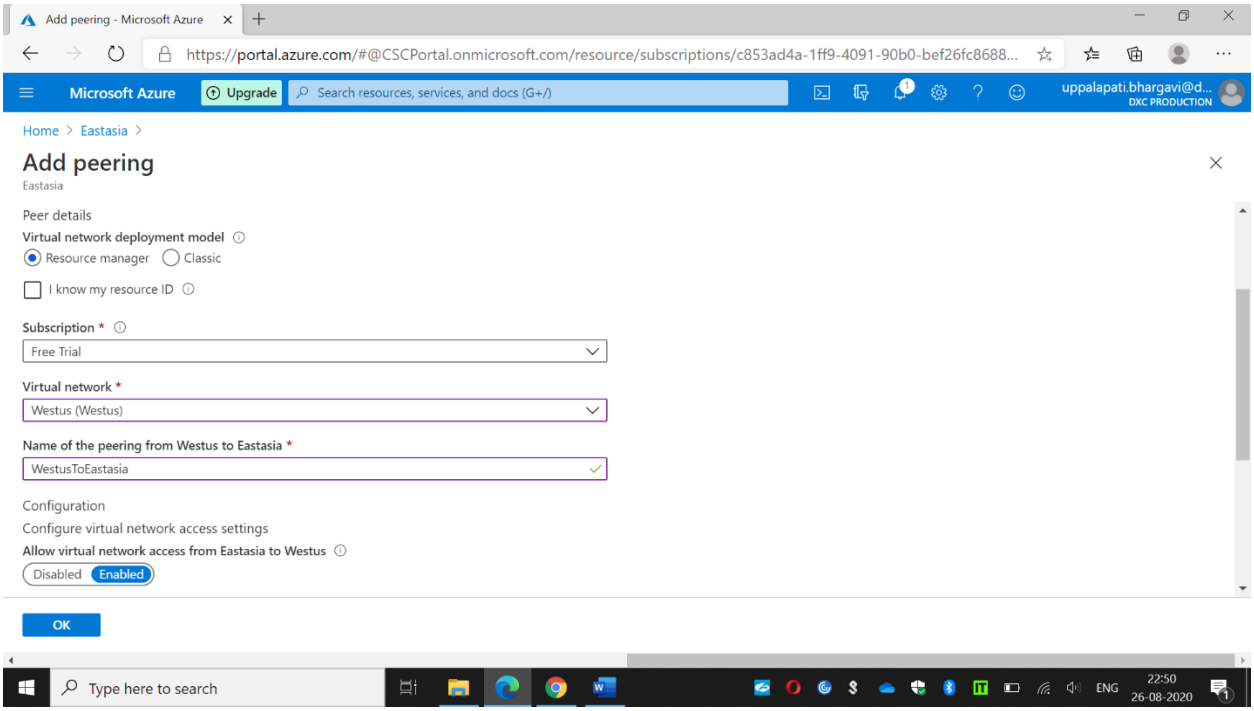


2) Create two networks in east Asia and West us and peer the network using Network peering and access the VM using private from one location to other location.

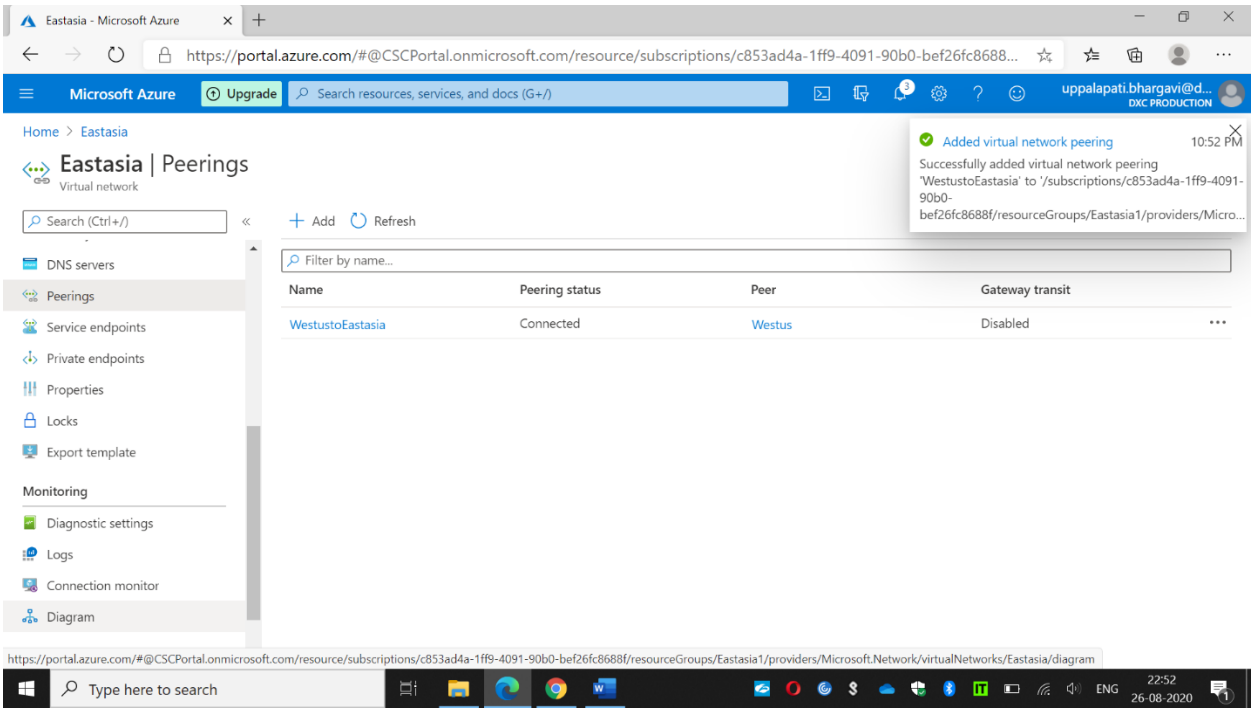


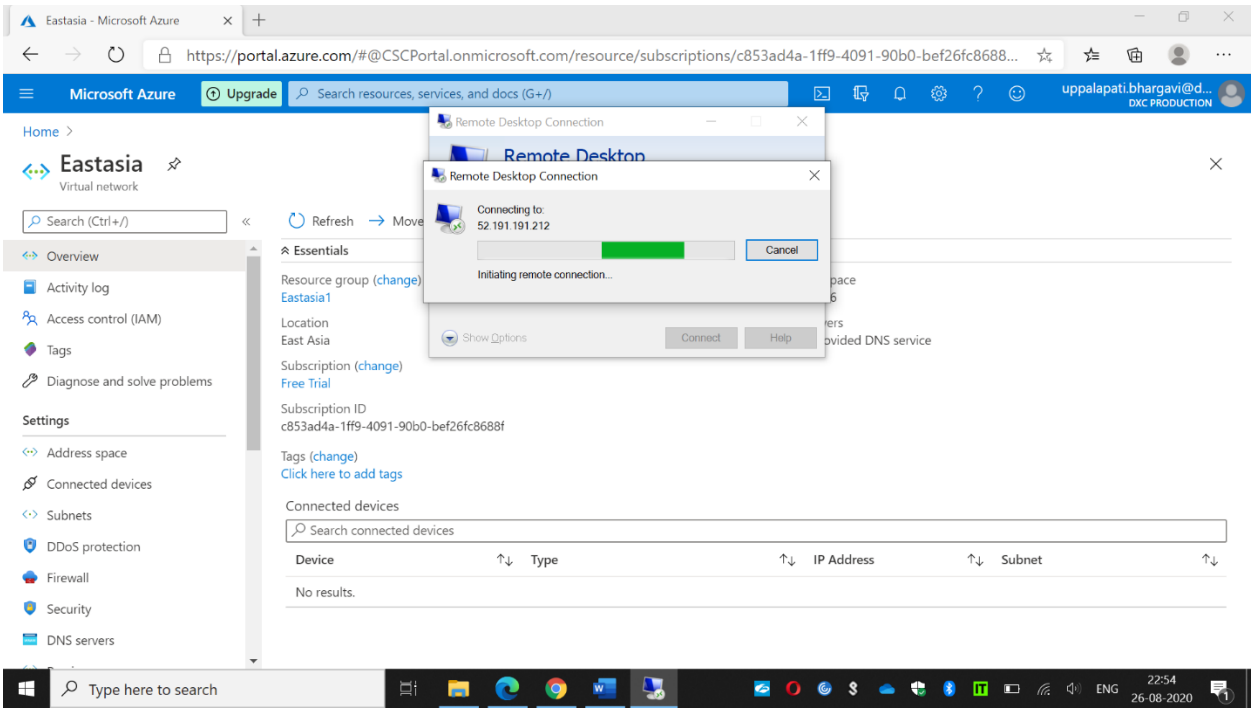


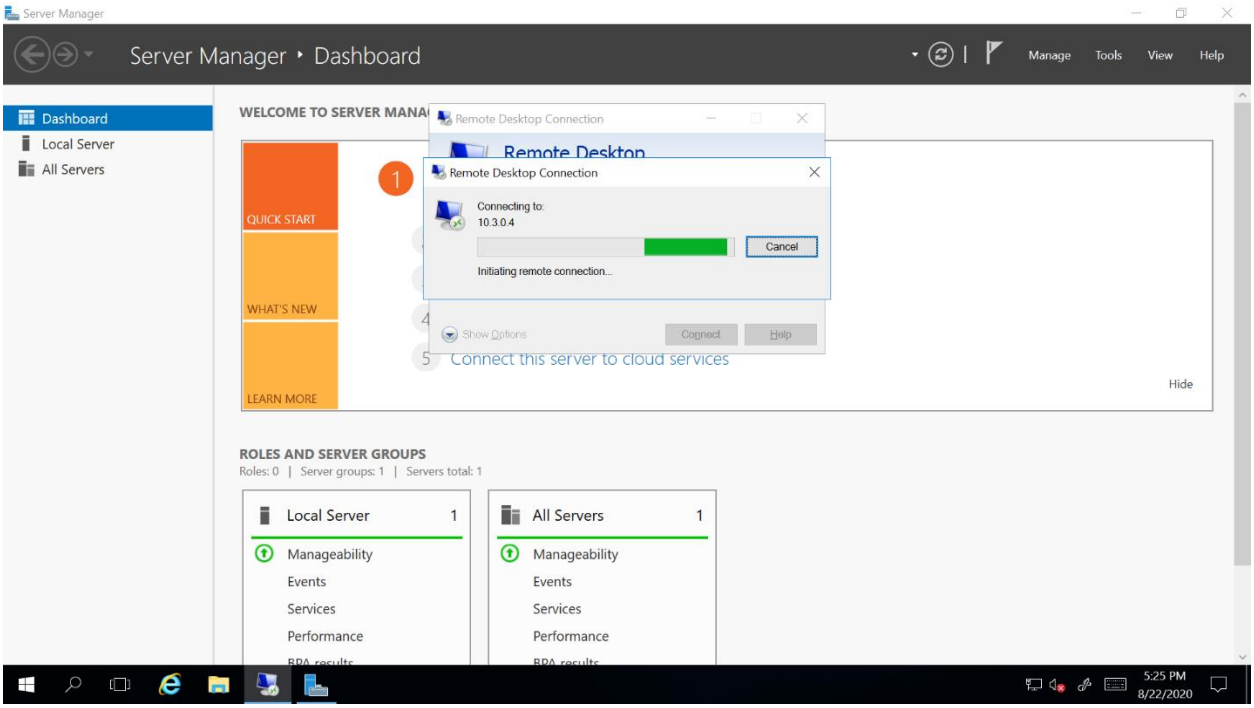
I have created two virtual networks one in East Asia and the other in West us and enabled peering between them.

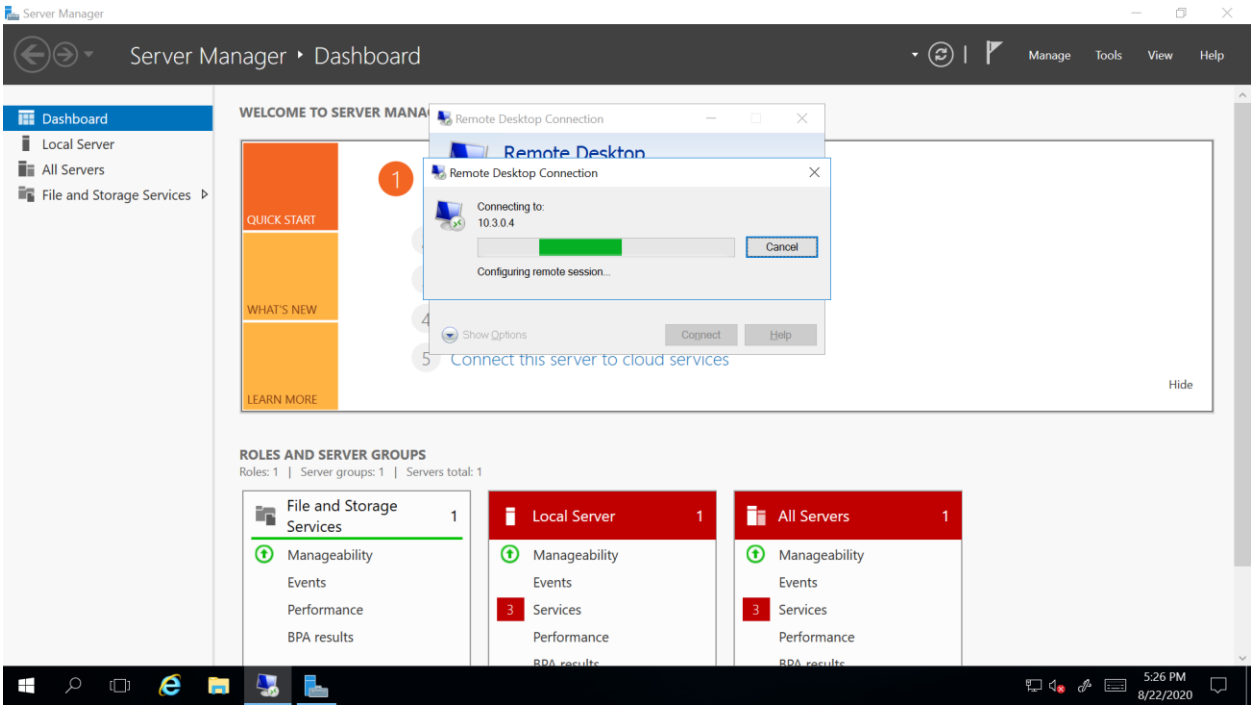


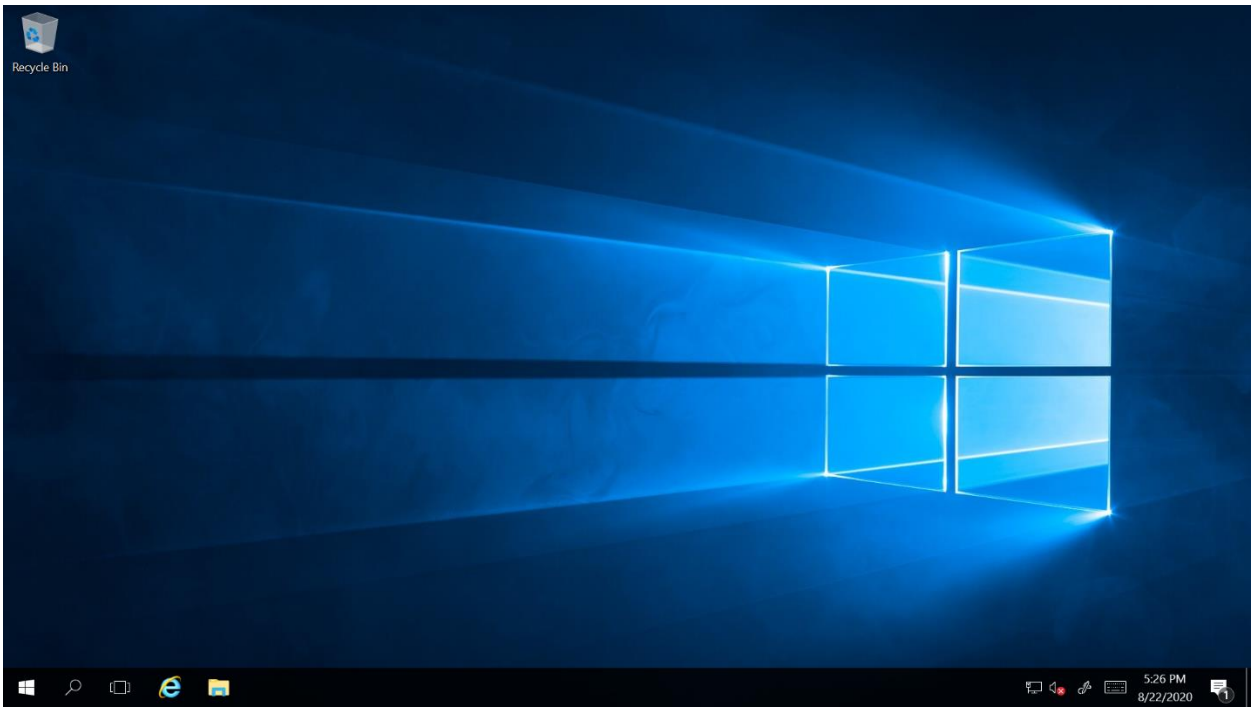
After enabling peering between two virtual networks I have connected to VM in East Asia and accessed VM in West us using public Ip of West us.


Eastasia - Microsoft Azure
https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
uppalapati.bhargavi@d...
DXC PRODUCTION
Home > Eastasia
Eastasia | Peerings
Virtual network
Search (Ctrl+/)
Add
Refresh
Added virtual network peering
10:52 PM
Successfully added virtual network peering 'WestustoEastasia' to '/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688f/resourceGroups/Eastasia1/providers/Micro...
DNS servers
Peerings
Service endpoints
Private endpoints
Properties
Locks
Export template
Monitoring
Diagnostic settings
Logs
Connection monitor
Diagram
Filter by name...
Name
Peering status
Peer
Gateway transit
WestustoEastasia
Connected
Westus
Disabled
https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688f/resourceGroups/Eastasia1/providers/Microsoft.Network/virtualNetworks/Eastasia/diagram
Type here to search
ENG
22:52
26-08-2020

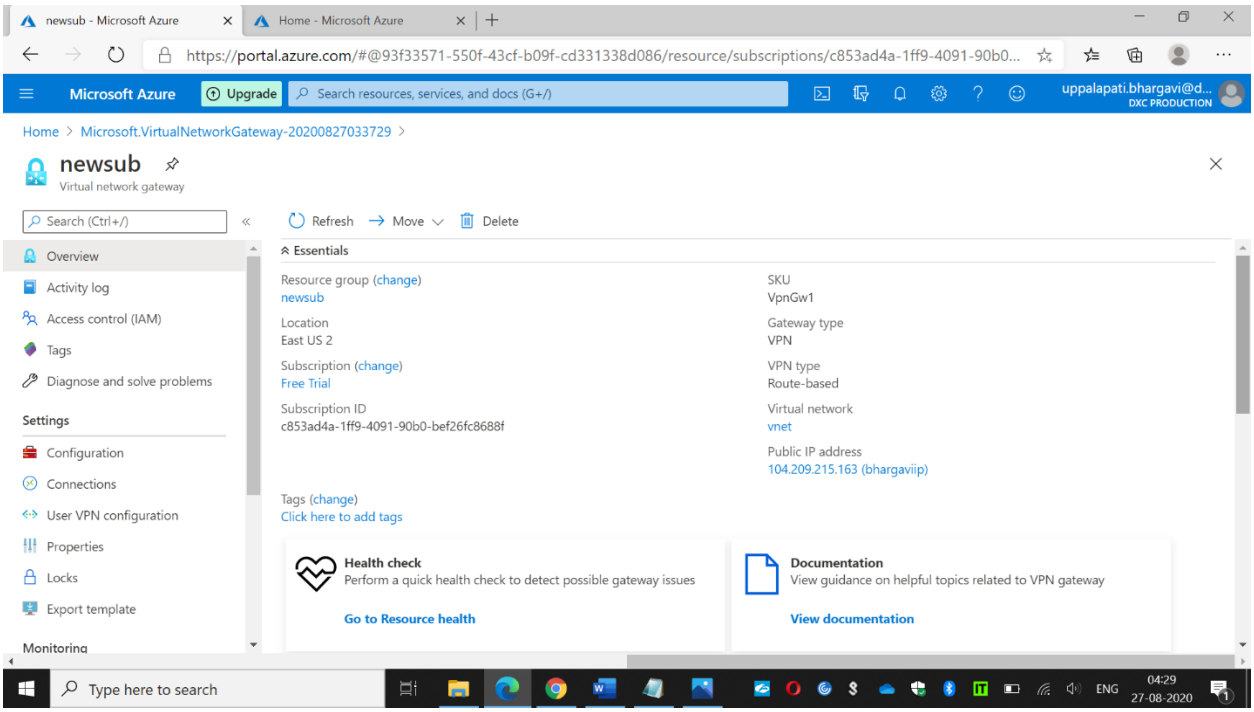

Eastasia - Microsoft Azure
https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688...
Microsoft Azure
Upgrade
Search resources, services, and docs (G+/)
uppalapati.bhargavi@d...
DXC PRODUCTION
Home >
Eastasia
Virtual network
Remote Desktop Connection
Remote Desktop
Connecting to:
52.191.191.212
Cancel
Initiating remote connection...
Show Options
Connect
Help
Search (Ctrl+/)
Refresh
Move
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
DDoS protection
Firewall
Security
DNS servers
Essentials
Resource group (change)
Eastasia1
Location
East Asia
Subscription (change)
Free Trial
Subscription ID
c853ad4a-1ff9-4091-90b0-bef26fc8688f
Tags (change)
Click here to add tags
Connected devices
Search connected devices
Device
Type
IP Address
Subnet
No results.
Type here to search
ENG
22:54
26-08-2020

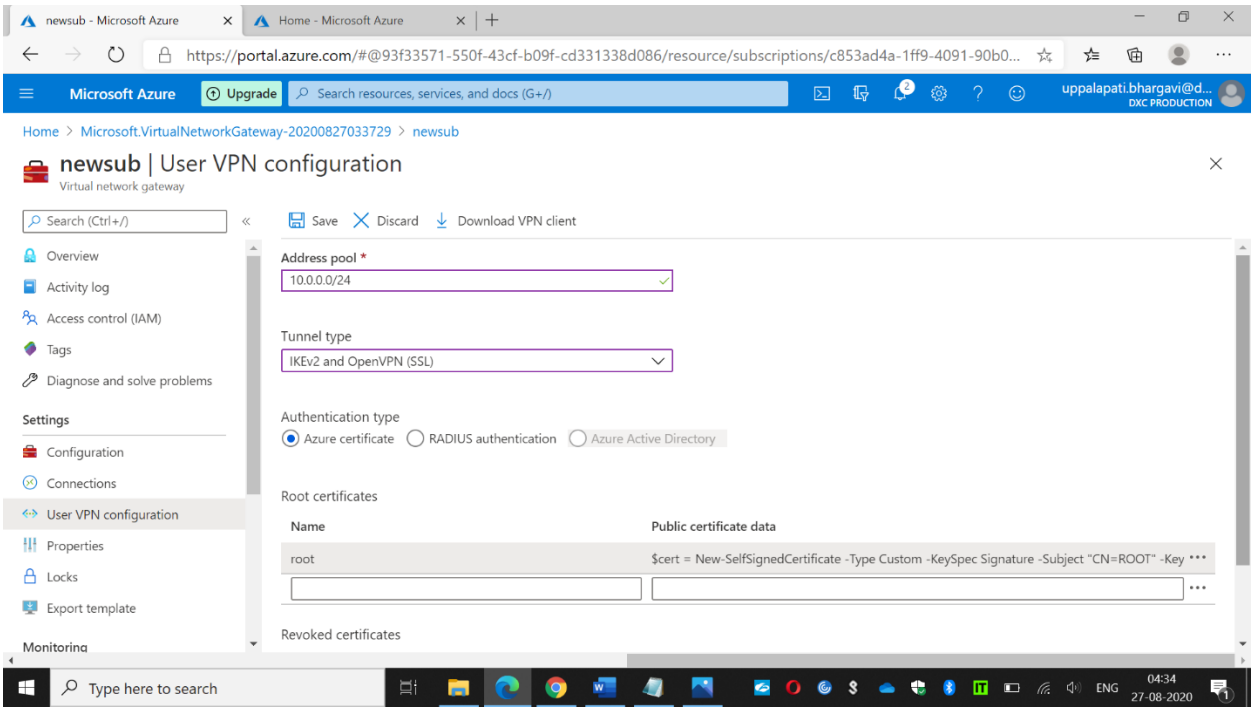

Server Manager
Server Manager ▸ Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
WELCOME TO SERVER MANA
Remote Desktop Connection
Remote Desktop
Remote Desktop Connection
Connecting to:
10.3.0.4
Cancel
Initiating remote connection...
Show Options
Connect
Help
QUICK START
WHAT'S NEW
LEARN MORE
Connect this server to cloud services
Hide
ROLES AND SERVER GROUPS
Roles: 0 | Server groups: 1 | Servers total: 1
Local Server 1
Manageability
Events
Services
Performance
All Servers 1
Manageability
Events
Services
Performance
5:25 PM
8/22/2020


Server Manager
Server Manager ▸ Dashboard
Manage
Tools
View
Help
Dashboard
Local Server
All Servers
File and Storage Services
WELCOME TO SERVER MANA
Remote Desktop Connection
Remote Desktop
Remote Desktop Connection
Connecting to:
10.3.0.4
Cancel
Configuring remote session...
Show Options
Connect
Help
QUICK START
WHAT'S NEW
LEARN MORE
Connect this server to cloud services
Hide
ROLES AND SERVER GROUPS
Roles: 1 | Server groups: 1 | Servers total: 1
File and Storage Services 1
Manageability
Events
Performance
BPA results
Local Server 1
Manageability
Events
3
Services
Performance
All Servers 1
Manageability
Events
3
Services
Performance
5:26 PM
8/22/2020

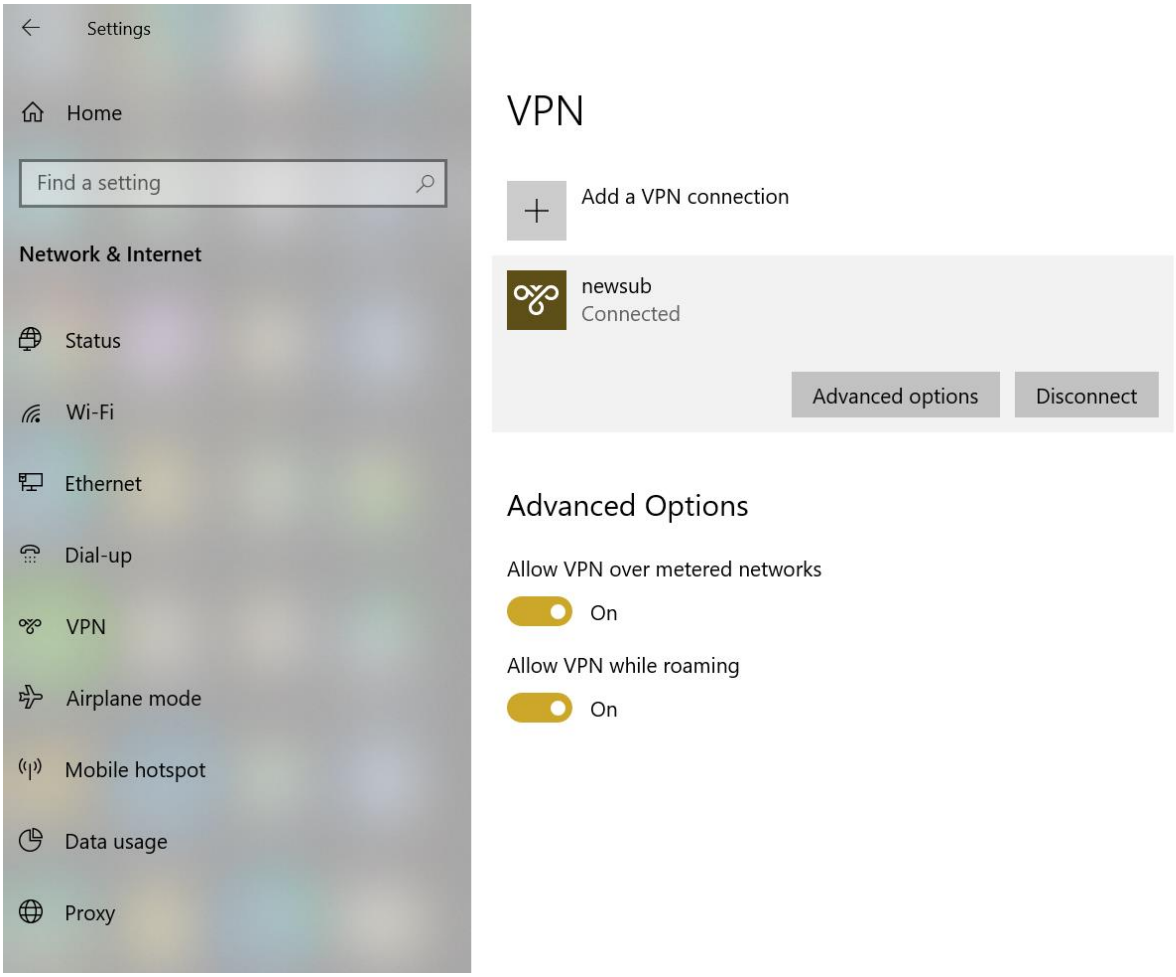


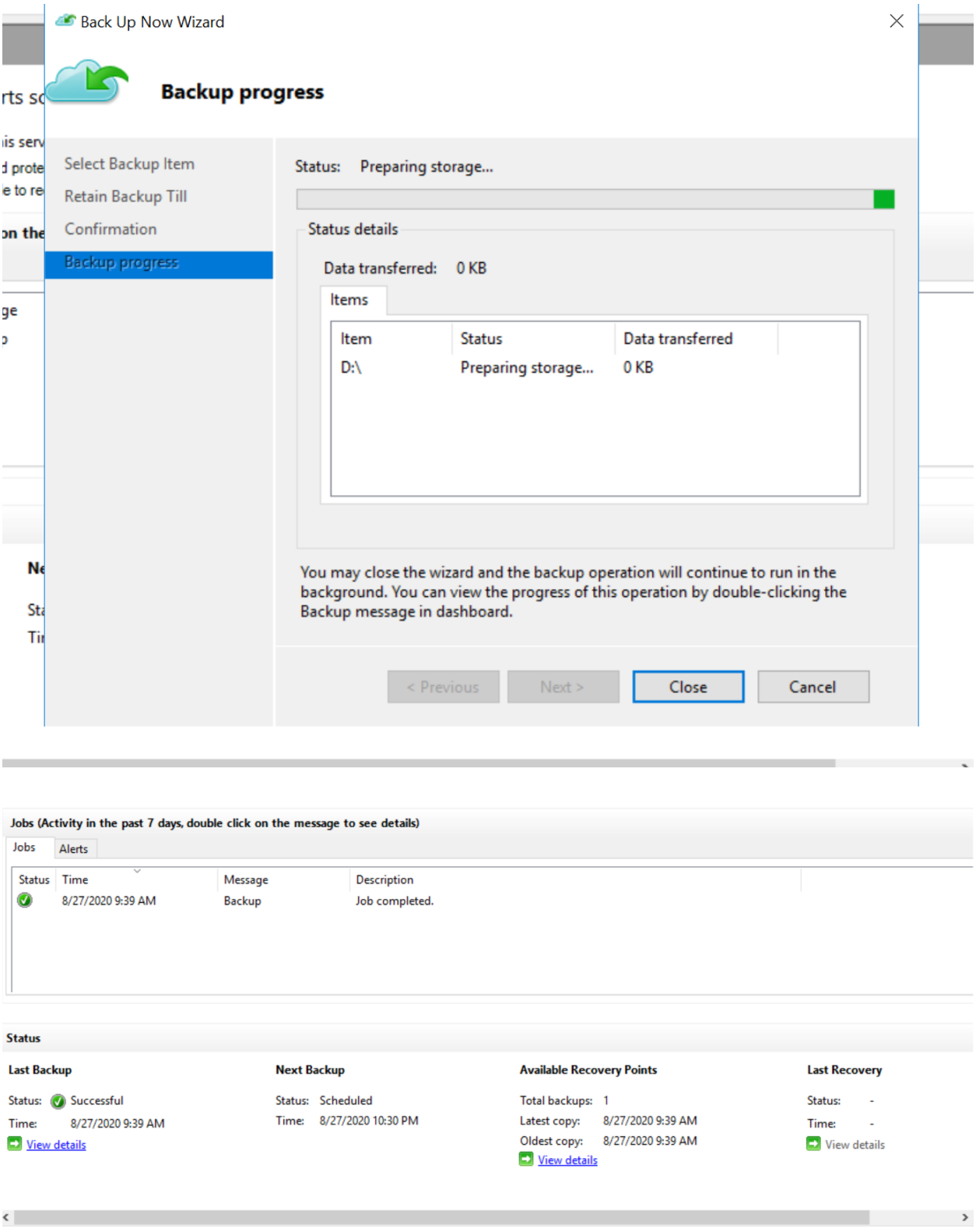
3) Create a point to site VPN in west us location and try connecting from your location laptop to Azure datacenter.



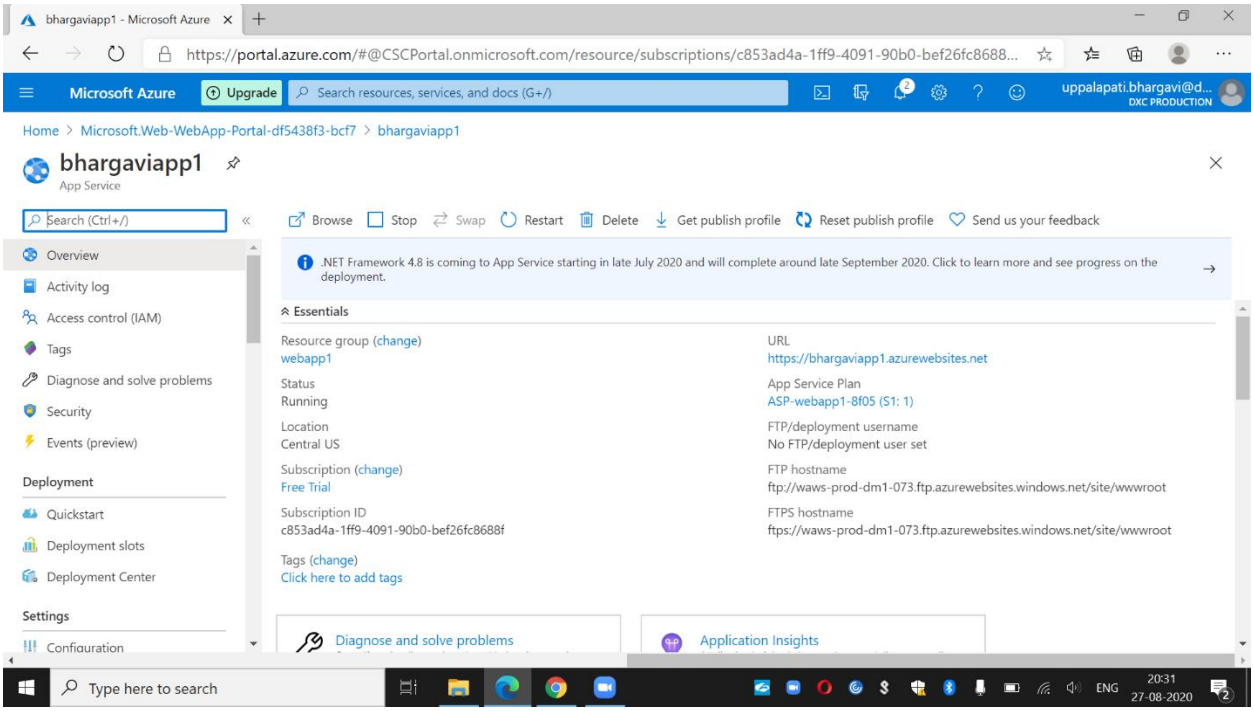


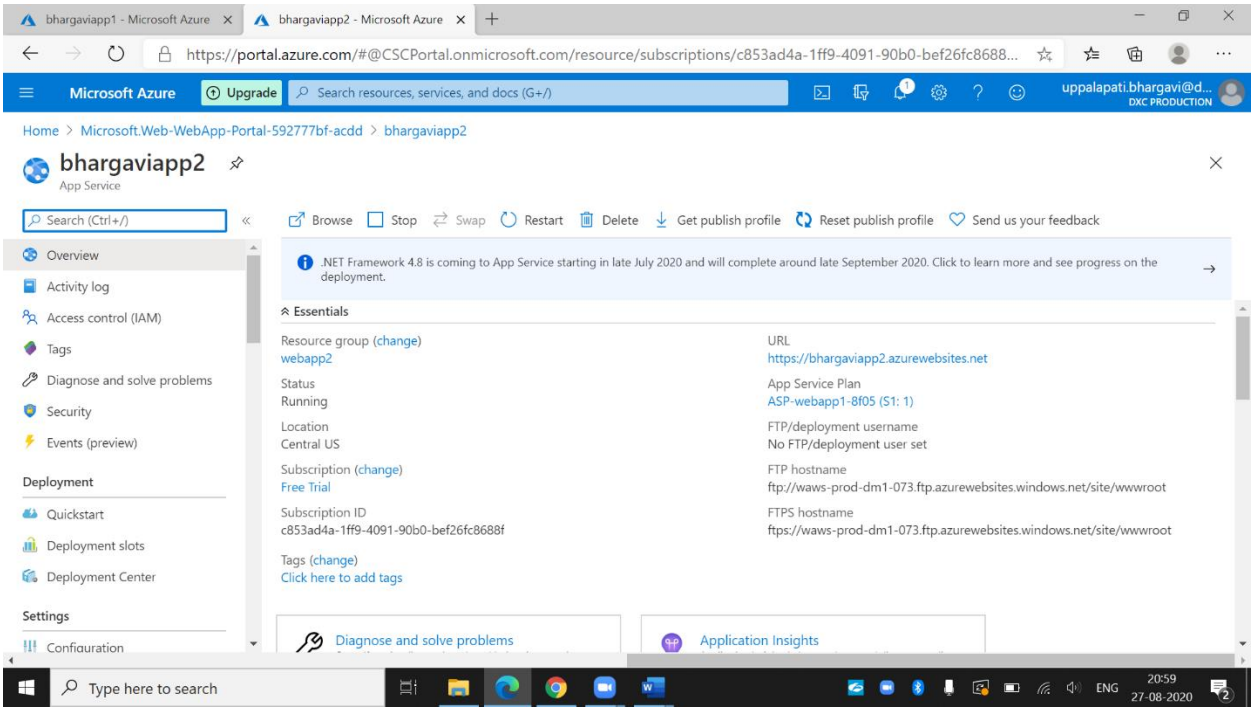
I have connected to VPN by using private Ip and I have connected to Virtual machine.

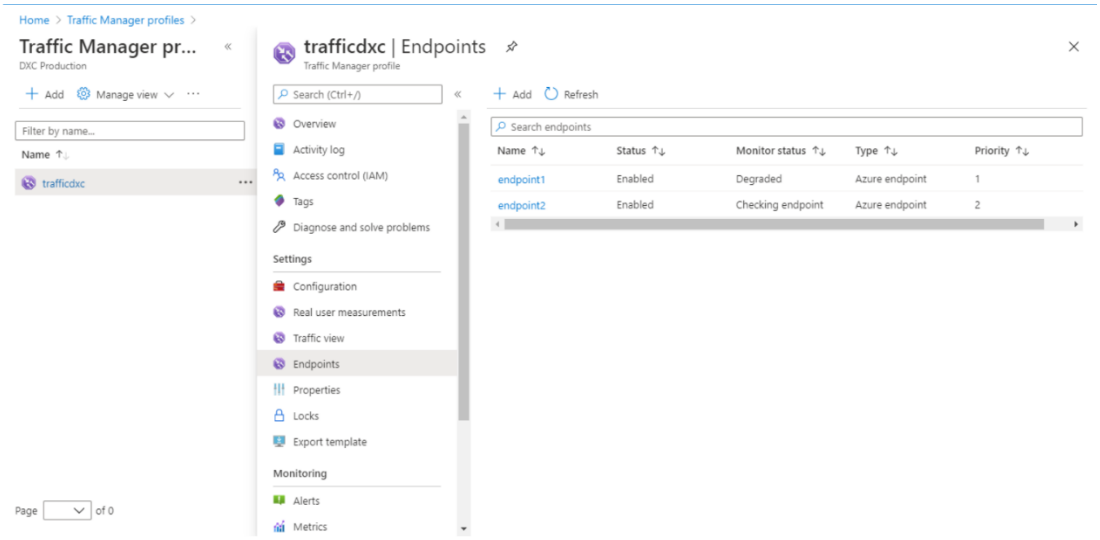

Settings
Home
Find a setting
Network & Internet
Status
Wi-Fi
Ethernet
Dial-up
VPN
Airplane mode
Mobile hotspot
Data usage
Proxy
VPN
Add a VPN connection
newsub
Connected
Advanced options
Disconnect
Advanced Options
Allow VPN over metered networks
On
Allow VPN while roaming
On


Back Up Now Wizard
Backup progress
Select Backup Item
Retain Backup Till
Confirmation
Backup progress
Status: Preparing storage...
Status details
Data transferred: 0 KB
Items
Item
Status
Data transferred
D:\
Preparing storage...
0 KB
You may close the wizard and the backup operation will continue to run in the background. You can view the progress of this operation by double-clicking the Backup message in dashboard.
< Previous
Next >
Close
Cancel
Jobs (Activity in the past 7 days, double click on the message to see details)
Jobs
Alerts
Status
Time
Message
Description
8/27/2020 9:39 AM
Backup
Job completed.
Status
Last Backup
Status: Successful
Time: 8/27/2020 9:39 AM
View details
Next Backup
Status: Scheduled
Time: 8/27/2020 10:30 PM
Available Recovery Points
Total backups: 1
Latest copy: 8/27/2020 9:39 AM
Oldest copy: 8/27/2020 9:39 AM
View details
Last Recovery
Status: -
Time: -
View details

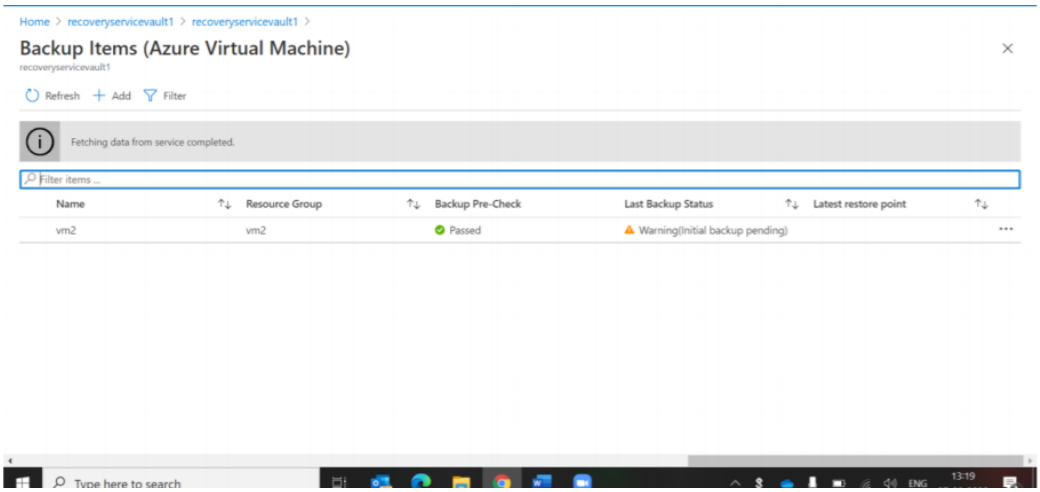
4) Create two Web applications and put the apps under traffic manager with priority routing method.

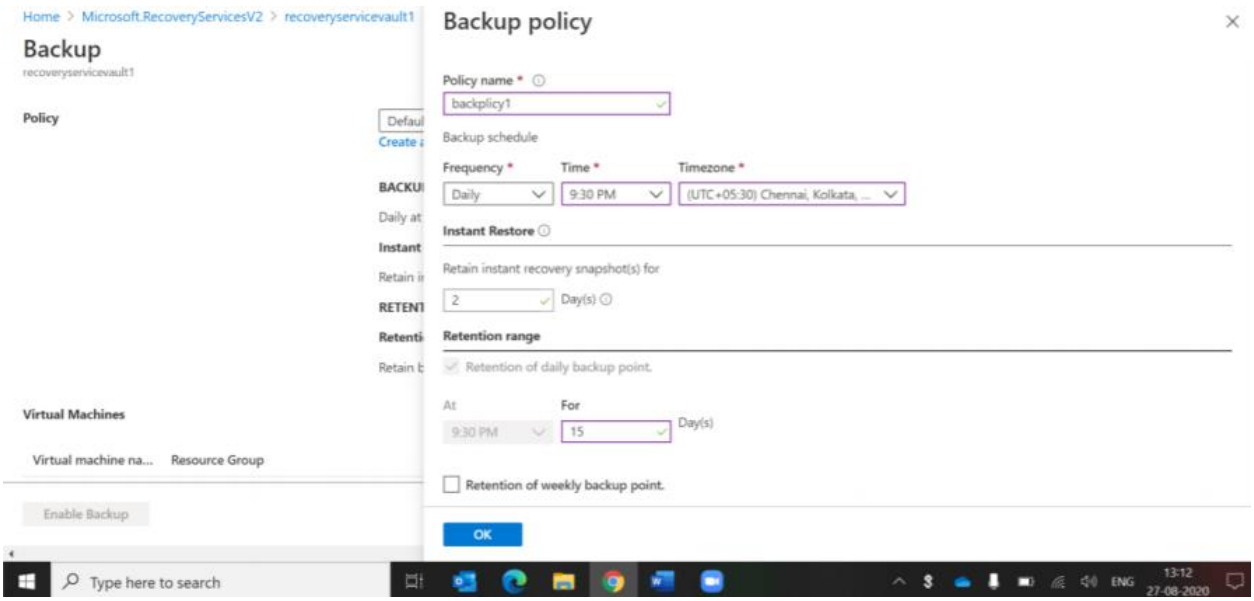


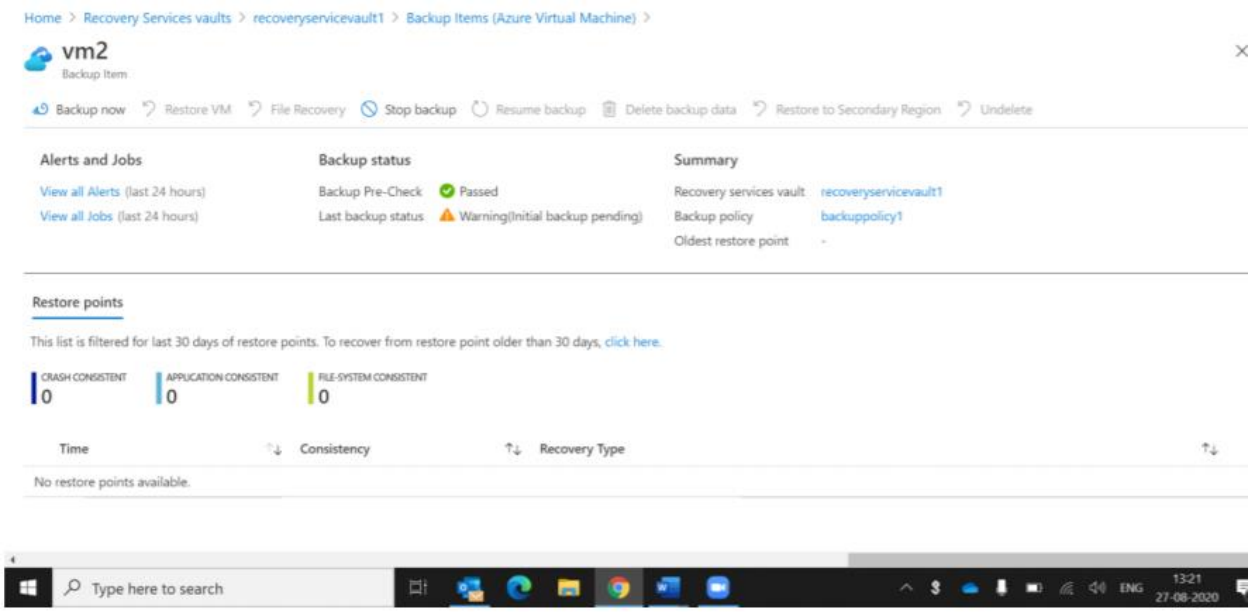




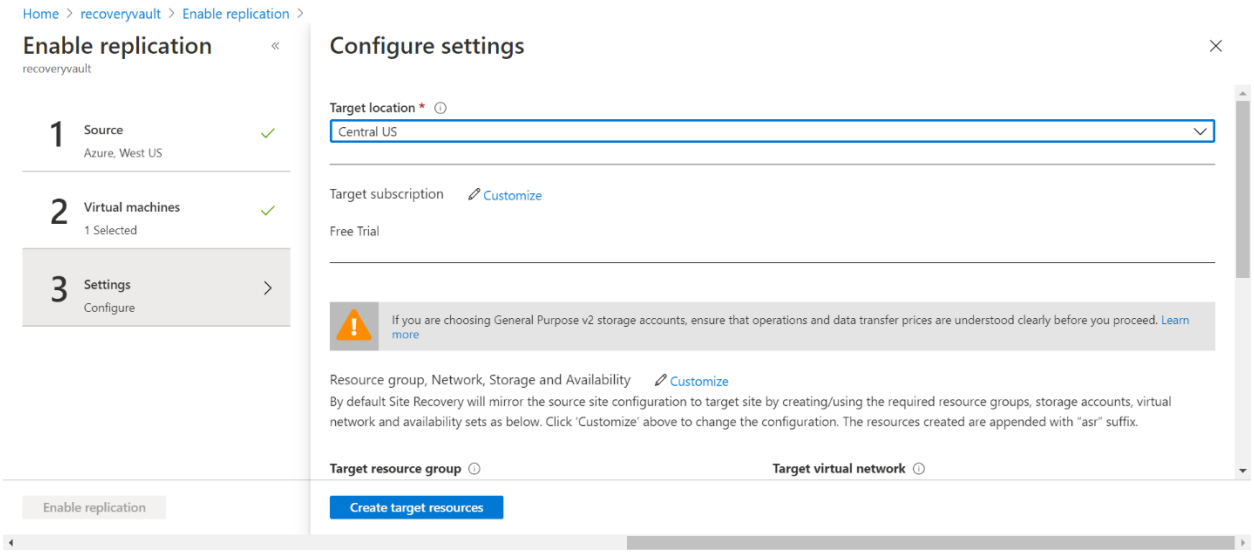
5) Create a backup solution for the VM and assign daily policy to the VM with 10 days retention period.

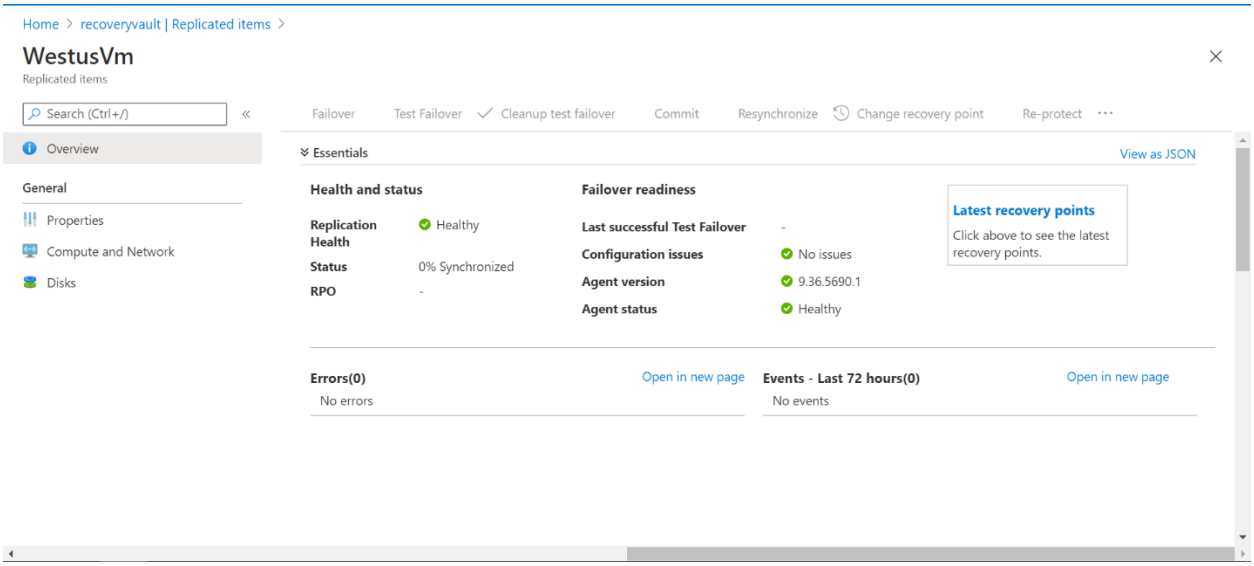


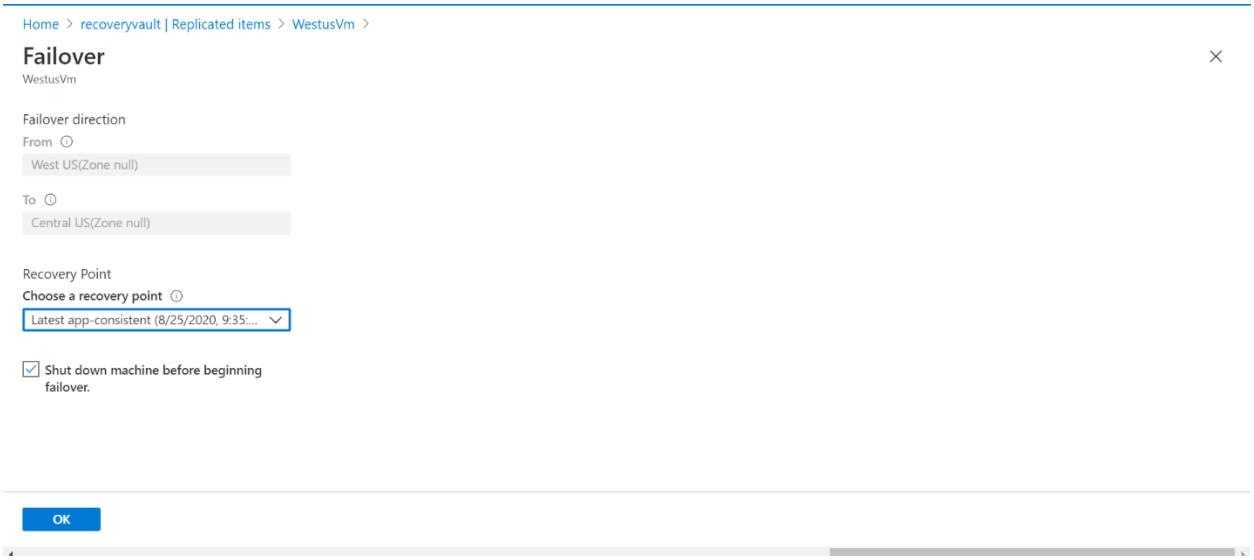


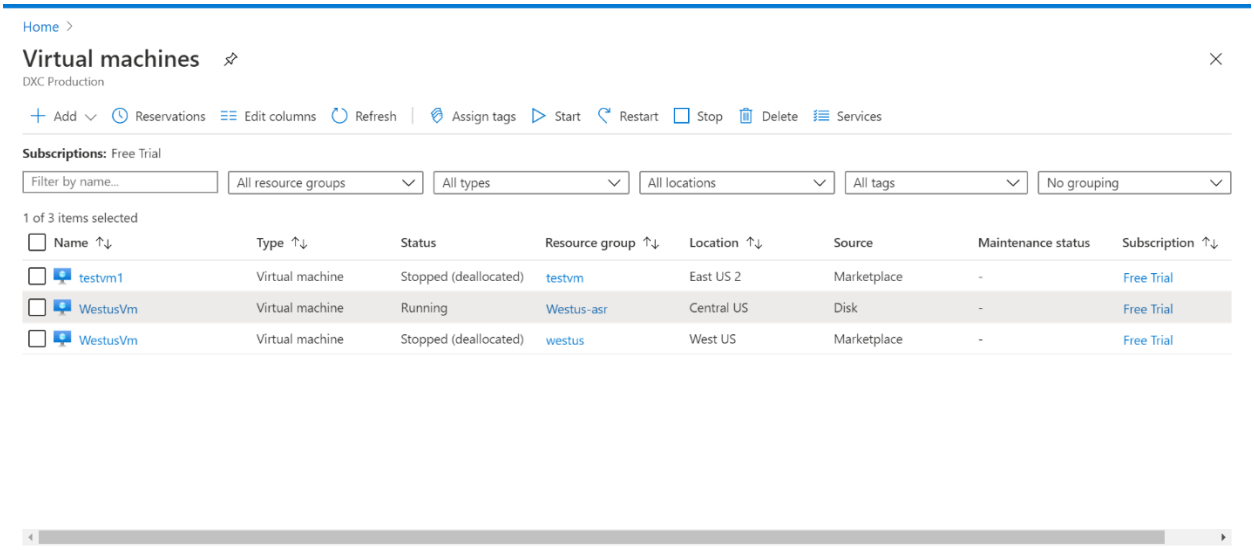


6) Replicate the VM from West us to any location using failover.

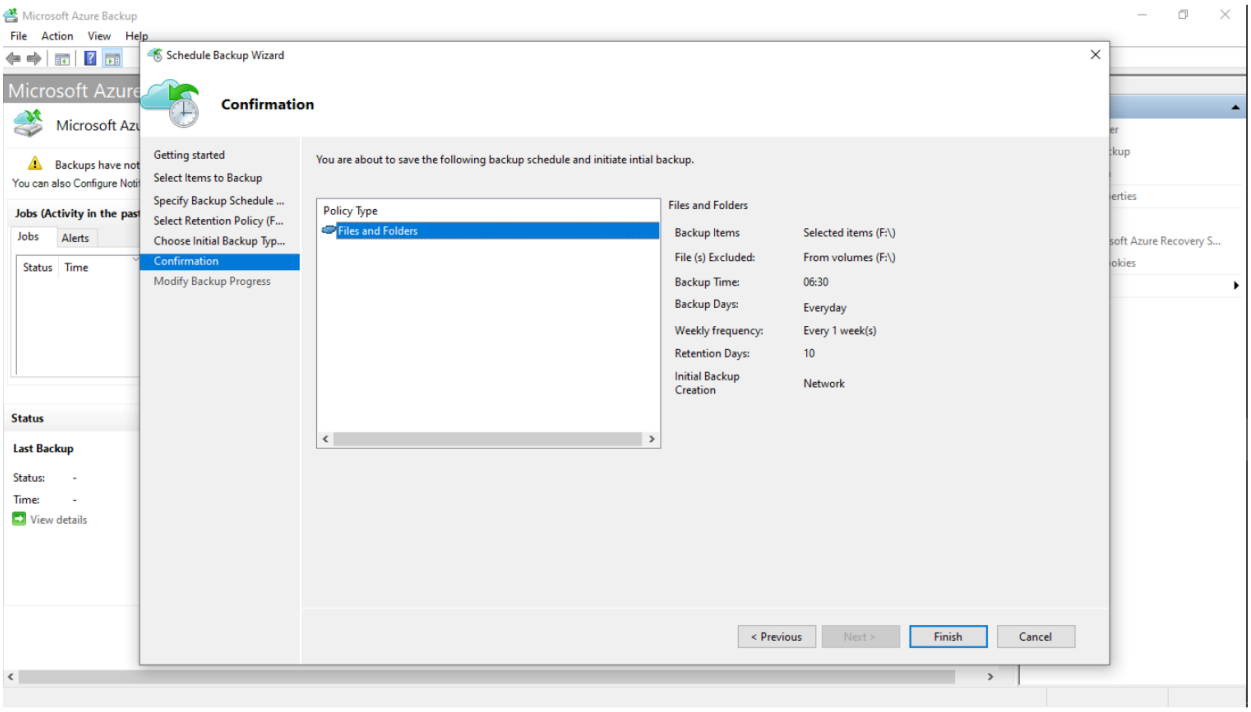

Home > recoveryvault > Enable replication
Enable replication
recoveryvault
1 Source
Azure, West US
2 Virtual machines
1 Selected
3 Settings
Configure
Enable replication
Configure settings
Target location *
Central US
Target subscription
Customize
Free Trial
If you are choosing General Purpose v2 storage accounts, ensure that operations and data transfer prices are understood clearly before you proceed. Learn more
Resource group, Network, Storage and Availability
Customize
By default Site Recovery will mirror the source site configuration to target site by creating/using the required resource groups, storage accounts, virtual network and availability sets as below. Click 'Customize' above to change the configuration. The resources created are appended with "asr" suffix.
Target resource group
Target virtual network
Create target resources

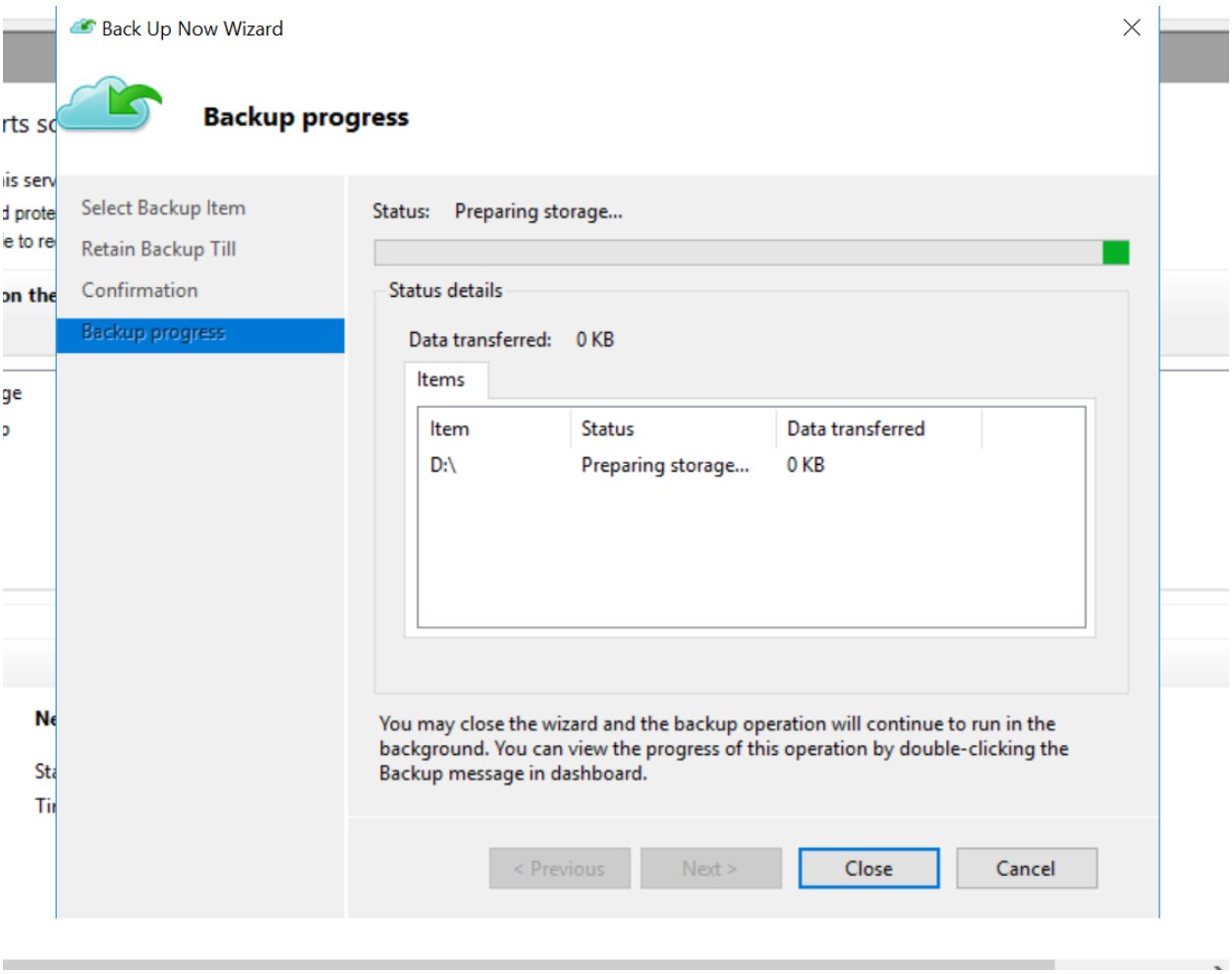

Home > recoveryvault | Replicated items
WestusVm
Replicated items
Search (Ctrl+/)
Overview
General
Properties
Compute and Network
Disks
Failover
Test Failover
Cleanup test failover
Commit
Resynchronize
Change recovery point
Re-protect
Essentials
View as JSON
Health and status
Replication Health
Healthy
Status
0% Synchronized
RPO
-
Failover readiness
Last successful Test Failover
-
Configuration issues
No issues
Agent version
9.36.5690.1
Agent status
Healthy
Latest recovery points
Click above to see the latest recovery points.
Errors(0)
Open in new page
No errors
Events - Last 72 hours(0)
Open in new page
No events

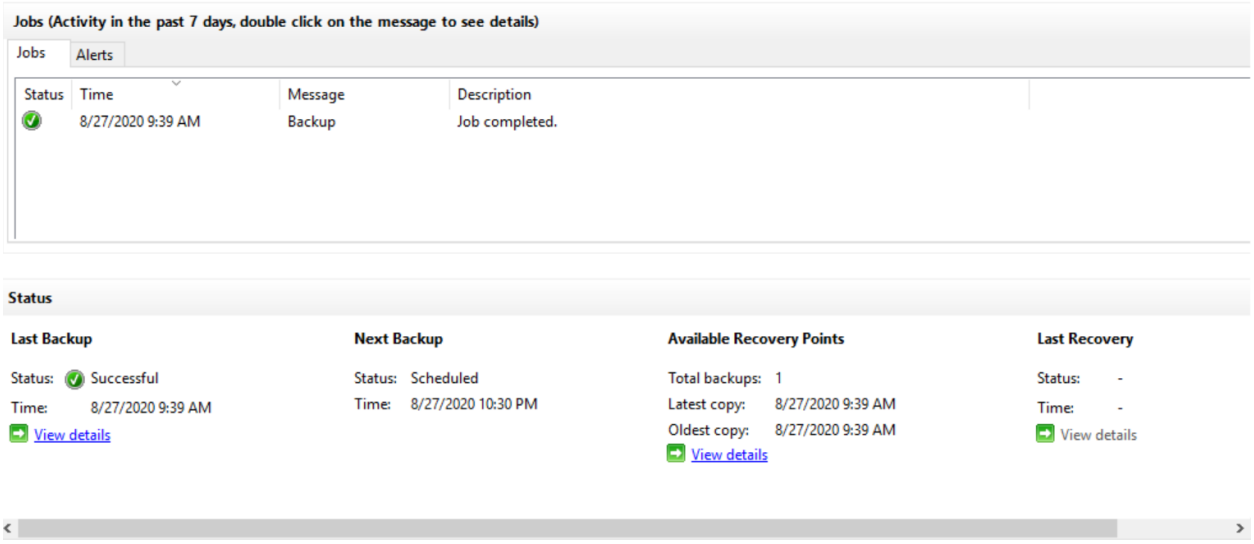




7) Take a on-premises backup using backup agent and exclude test folder from any drive.


Microsoft Azure Backup
File Action View Help
Schedule Backup Wizard
Confirmation
Getting started
Select Items to Backup
Specify Backup Schedule ...
Select Retention Policy (F...
Choose Initial Backup Typ...
Confirmation
Modify Backup Progress
You are about to save the following backup schedule and initiate intial backup.
Policy Type
Files and Folders
Files and Folders
Backup Items
Selected items (F:\)
File (s) Excluded:
From volumes (F:\)
Backup Time:
06:30
Backup Days:
Everyday
Weekly frequency:
Every 1 week(s)
Retention Days:
10
Initial Backup Creation
Network
< Previous
Next >
Finish
Cancel
Jobs (Activity in the past
Jobs
Alerts
Status
Time
Status
Last Backup
Status:
Time:
View details


Back Up Now Wizard
Backup progress
Select Backup Item
Retain Backup Till
Confirmation
Backup progress
Status: Preparing storage...
Status details
Data transferred: 0 KB
Items
Item
Status
Data transferred
D:\
Preparing storage...
0 KB
You may close the wizard and the backup operation will continue to run in the background. You can view the progress of this operation by double-clicking the Backup message in dashboard.
< Previous
Next >
Close
Cancel


Jobs (Activity in the past 7 days, double click on the message to see details)
Jobs
Alerts
Status
Time
Message
Description
8/27/2020 9:39 AM
Backup
Job completed.
Status
Last Backup
Status: Successful
Time: 8/27/2020 9:39 AM
View details
Next Backup
Status: Scheduled
Time: 8/27/2020 10:30 PM
Available Recovery Points
Total backups: 1
Latest copy: 8/27/2020 9:39 AM
Oldest copy: 8/27/2020 9:39 AM
View details
Last Recovery
Status: -
Time: -
View details