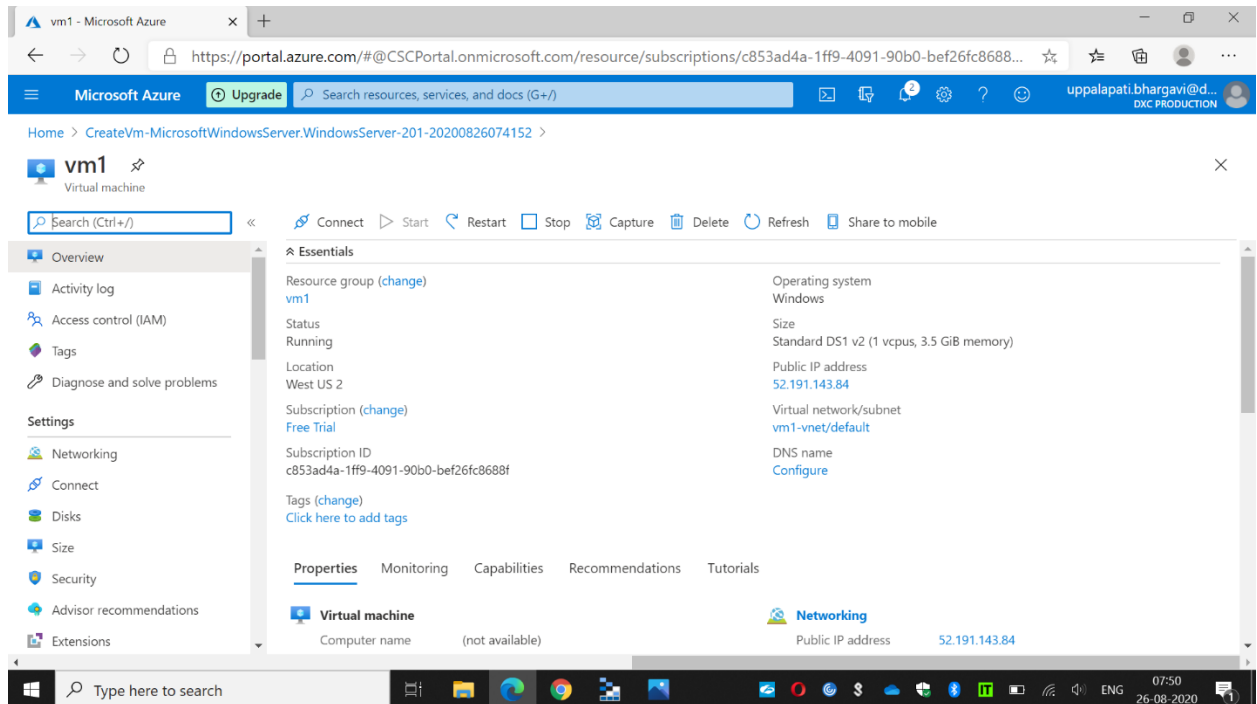
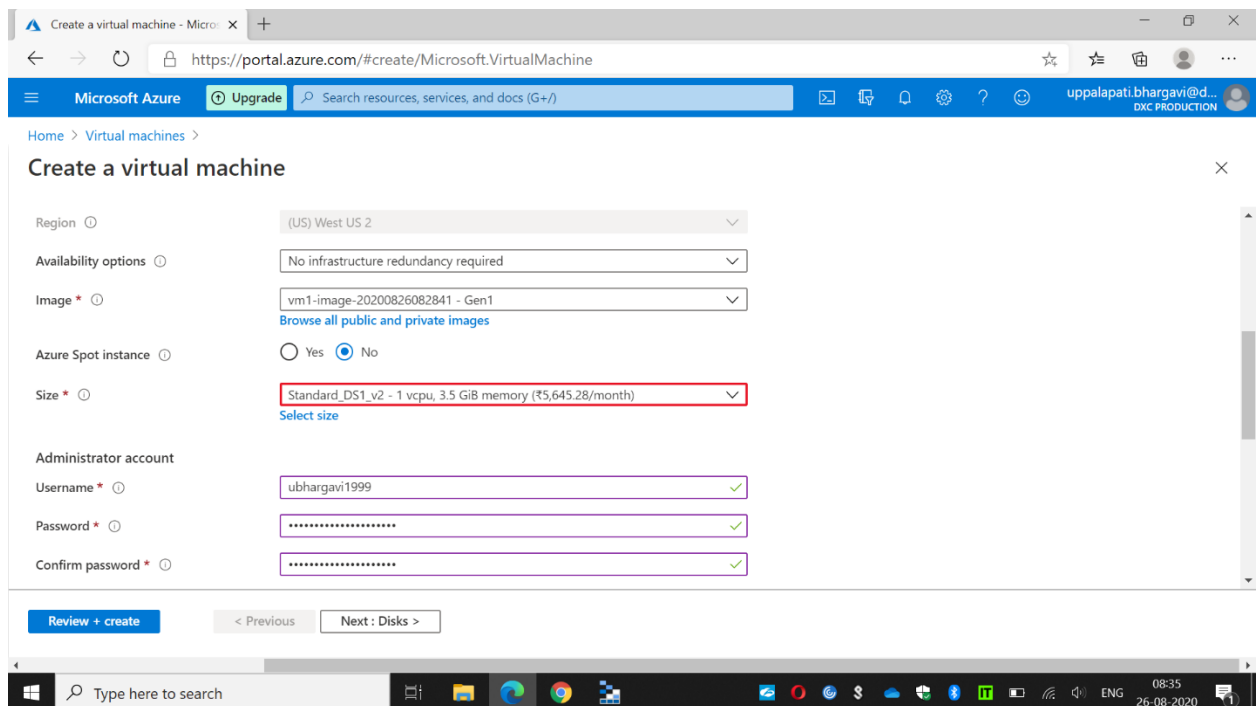


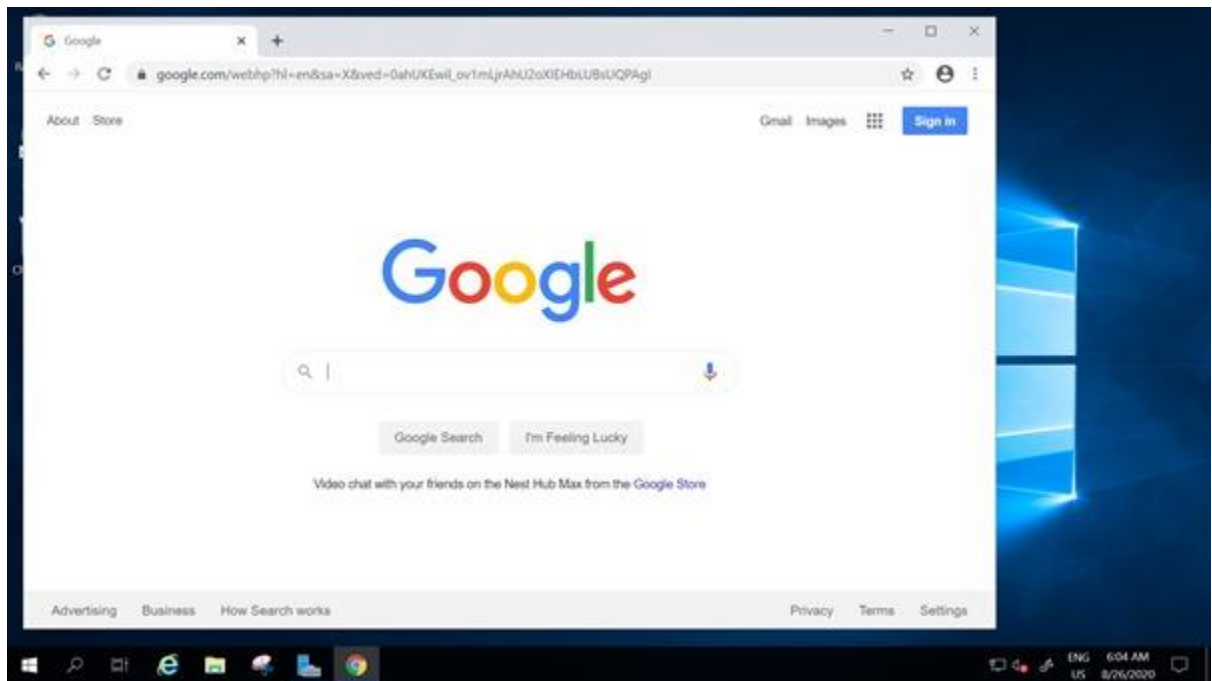
1) Deploy the custom image with any application installed.



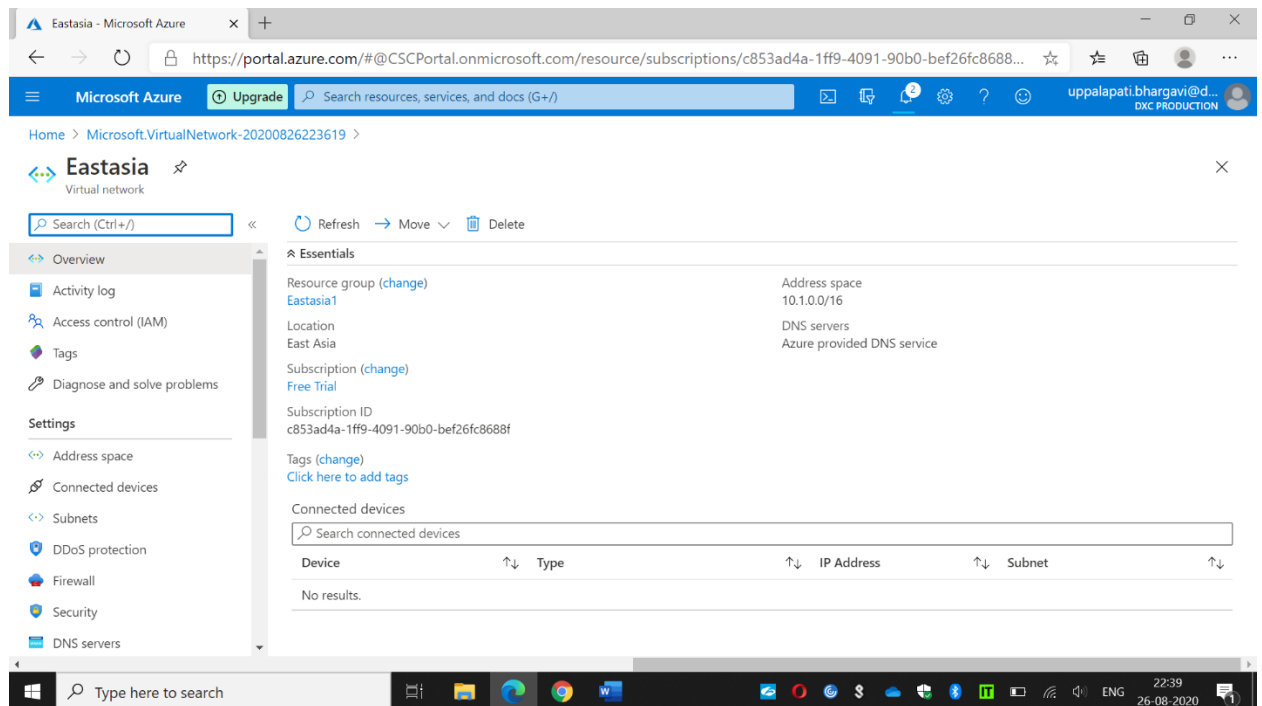
I have Created a virtual machine

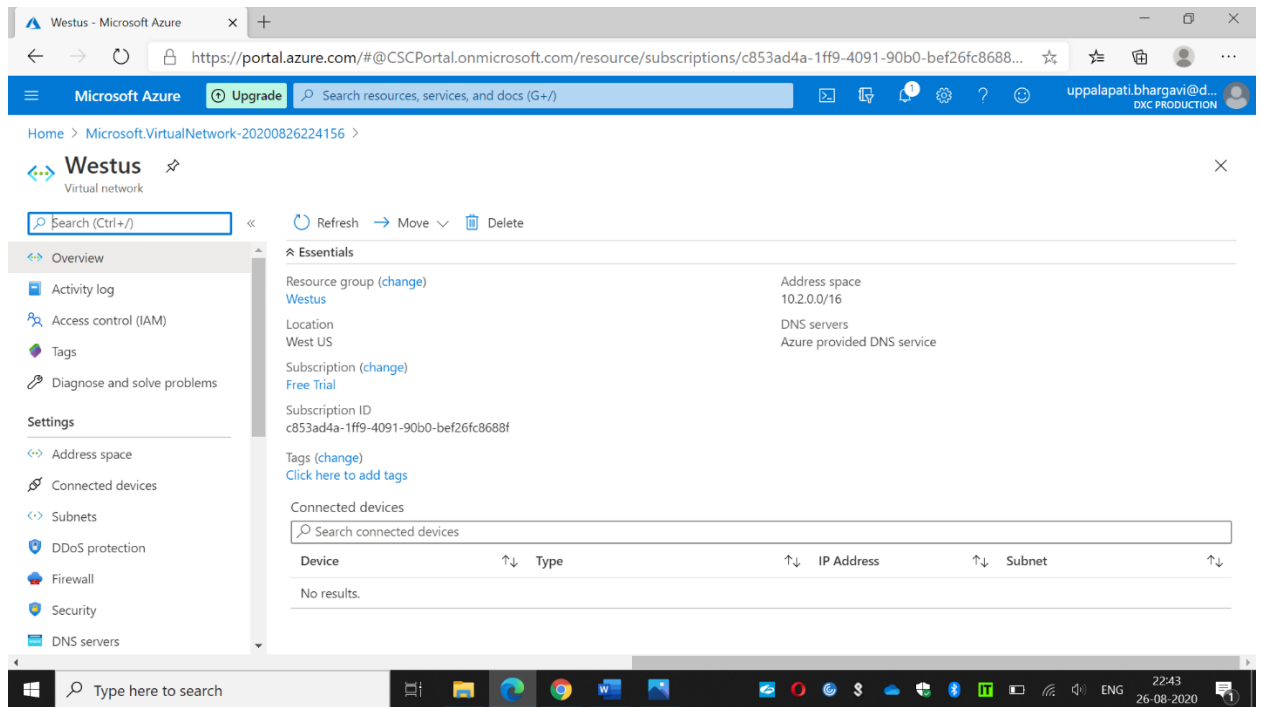


I have created image of an VM with chrome installed and next I have created a VM with the image created. The new VM created is having the chrome pre-installed.

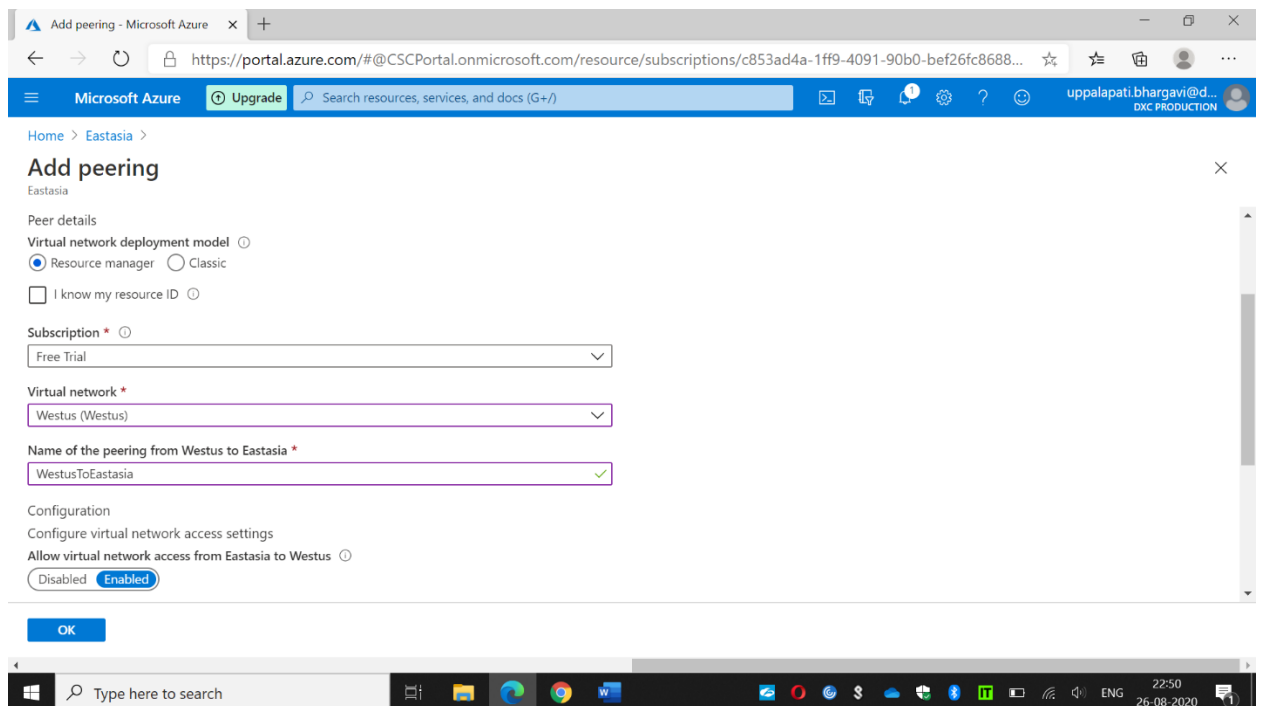


- 2) Create two networks in east Asia and West us and peer the network using Network peering and access the VM using private from one location to other location.





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-bef26fc8688f...

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

Home > Eastasia

### Eastasia | Peerings

Virtual network

Search (Ctrl+/) « + Add Refresh

Filter by name...

Name	Peering status	Peer	Gateway transit	
WestustoEastasia	Connected	Westus	Disabled	...

Added virtual network peering 10:52 PM

Successfully added virtual network peering 'WestustoEastasia' to '/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688f/resourceGroups/Eastasia1/providers/Micro...

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

22:52 26-08-2020

Eastasia - Microsoft Azure

https://portal.azure.com/#@CSCPortal.onmicrosoft.com/resource/subscriptions/c853ad4a-1ff9-4091-90b0-bef26fc8688f...

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

Home >

### Eastasia

Virtual network

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.			

Remote Desktop Connection

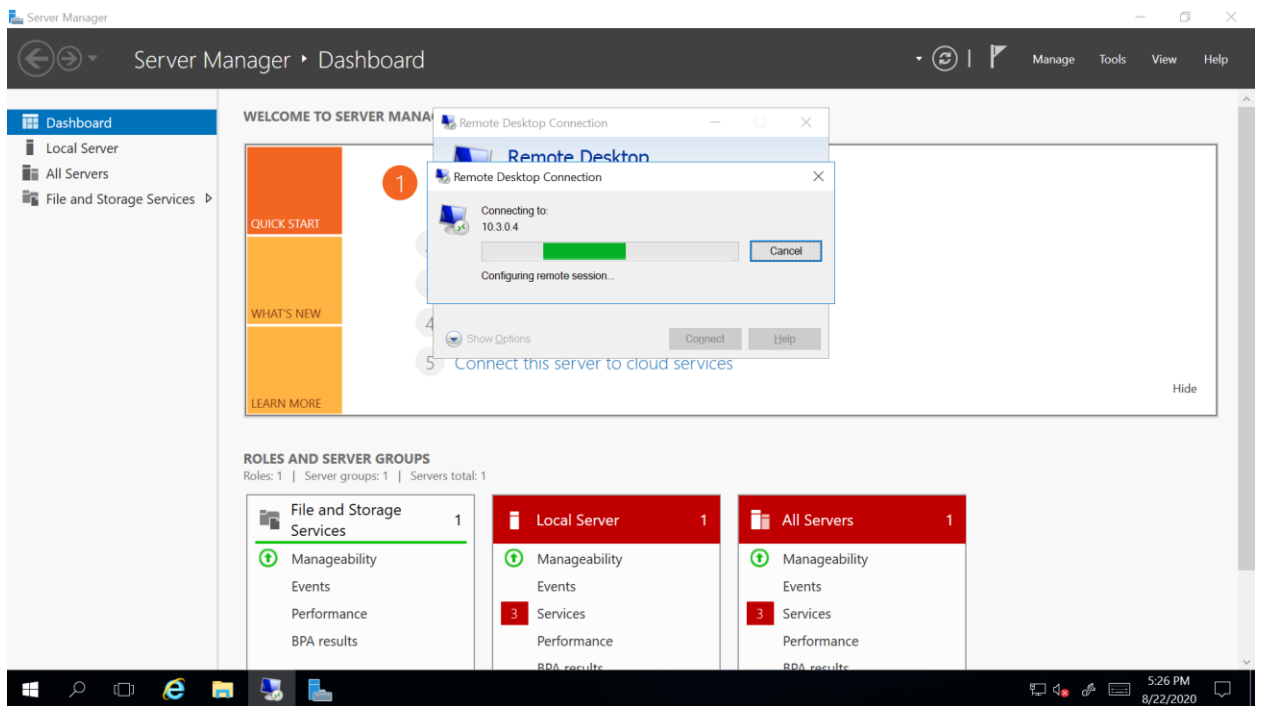
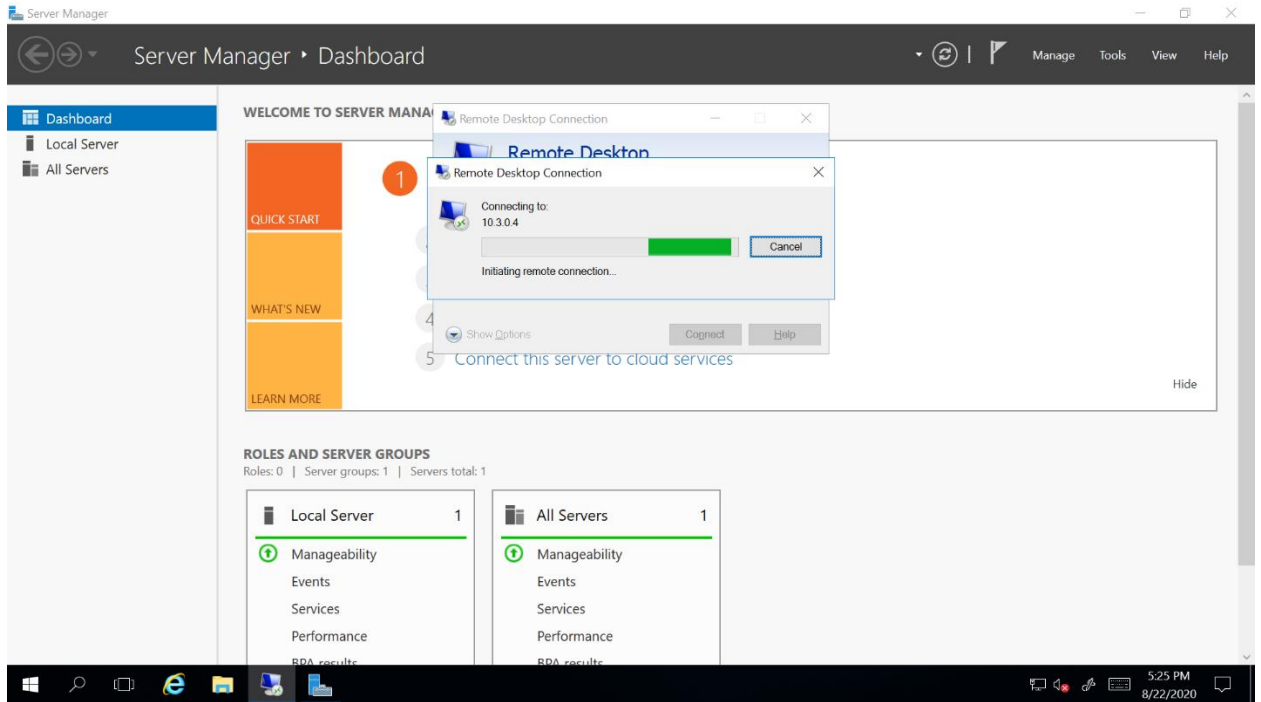
Connecting to 52.191.191.212

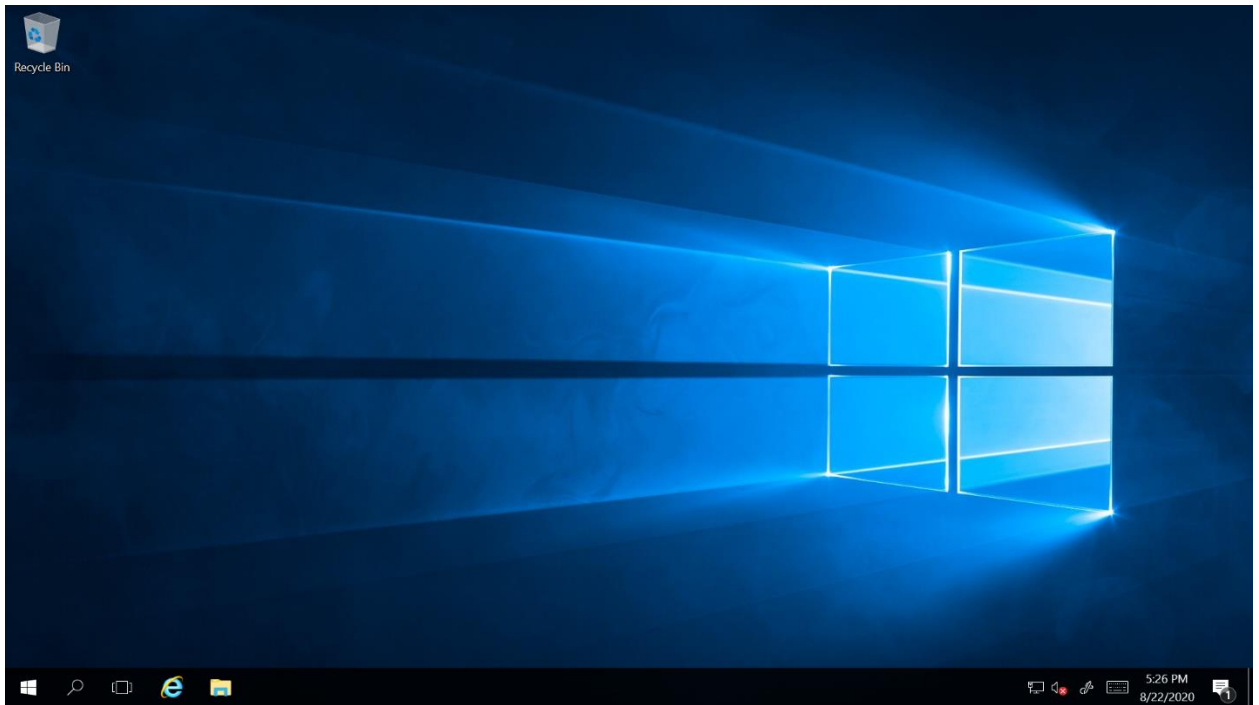
Initiating remote connection...

Show Options Connect Help

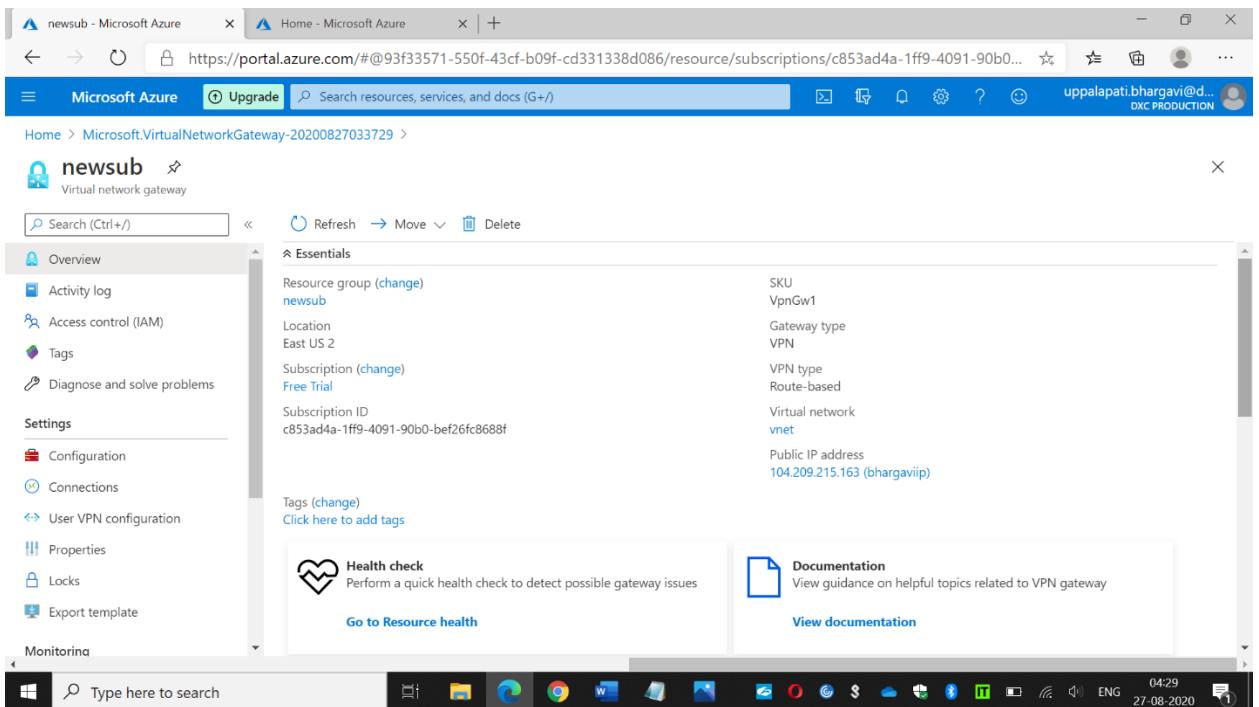
Type here to search

22:54 26-08-2020





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



newsub - Microsoft Azure x Home - Microsoft Azure x +

https://portal.azure.com/#@93f33571-550f-43cf-b09f-cd331338d086/resource/subscriptions/c853ad4a-1ff9-4091-90b0... ☆ ☆ ☆

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

Home > Microsoft.VirtualNetworkGateway-20200827033729 > newsub

### newsub | User VPN configuration

Virtual network gateway

Search (Ctrl+/) Save Discard Download VPN client

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

Settings

- Configuration
- Connections
- User VPN configuration
- Properties
- Locks
- Export template

Monitoring

Address pool \*

10.0.0.0/24 ✓

Tunnel type

IKEv2 and OpenVPN (SSL)

Authentication type

☒ Azure certificate ☐ RADIUS authentication ☐ Azure Active Directory

Root certificates

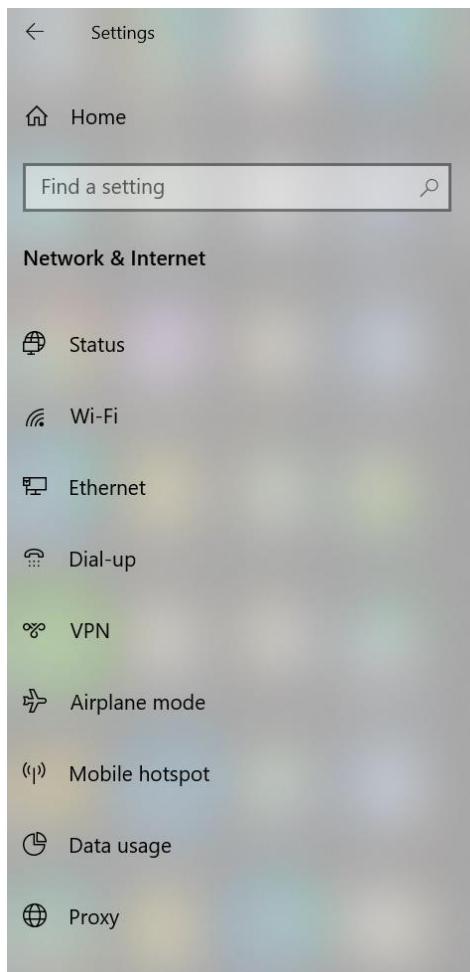
Name	Public certificate data
root	\$cert = New-SelfSignedCertificate -Type Custom -KeySpec Signature -Subject "CN=ROOT" -Key ***

Revoked certificates

Type here to search

04:34 27-08-2020 ENG

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



## VPN



Add a VPN connection



news sub  
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			
Status	Time	Message	Description
	8/27/2020 9:39 AM	Backup	Job completed.

Status			
Last Backup	Next Backup	Available Recovery Points	Last Recovery
Status:  Successful	Status: Scheduled	Total backups: 1	Status: -
Time: 8/27/2020 9:39 AM	Time: 8/27/2020 10:30 PM	Latest copy: 8/27/2020 9:39 AM	Time: -
<a href="#">View details</a>		Oldest copy: 8/27/2020 9:39 AM	<a href="#">View details</a>
		<a href="#">View details</a>	

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

The screenshot displays the Microsoft Azure portal interface for the web application 'bhargaviapp1'. The left-hand navigation pane includes sections for Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Security, Events (preview), Deployment (Quickstart, Deployment slots, Deployment Center), and Settings (Configuration). The main content area features a top navigation bar with 'Microsoft Azure', an 'Upgrade' button, a search bar, and a user profile. Below this is a notification banner about .NET Framework 4.8. The 'Essentials' section provides key details: Resource group (webapp1), Status (Running), Location (Central US), Subscription (Free Trial), Subscription ID (c853ad4a-1ff9-4091-90b0-bef26fc8688f), Tags, and a link to add tags. On the right, a table lists the URL (https://bhargaviapp1.azurewebsites.net), App Service Plan (ASP-webapp1-8f05 (\$1: 1)), FTP/deployment username (No FTP/deployment user set), FTP hostname (ftp://waws-prod-dm1-073.ftp.azurewebsites.windows.net/site/wwwroot), and FTPS hostname (ftps://waws-prod-dm1-073.ftp.azurewebsites.windows.net/site/wwwroot). At the bottom, there are buttons for 'Diagnose and solve problems' and 'Application Insights'. The Windows taskbar at the very bottom shows the search bar and various application icons, with the system clock indicating 20:31 on 27-08-2020.

This screenshot shows the Microsoft Azure portal for the web application 'bhargaviapp2'. The layout is identical to the first screenshot, with the same navigation pane and top bar. The 'Essentials' section shows the Resource group as 'webapp2'. The right-hand table lists the URL (https://bhargaviapp2.azurewebsites.net), App Service Plan (ASP-webapp1-8f05 (\$1: 1)), FTP/deployment username (No FTP/deployment user set), FTP hostname (ftp://waws-prod-dm1-073.ftp.azurewebsites.windows.net/site/wwwroot), and FTPS hostname (ftps://waws-prod-dm1-073.ftp.azurewebsites.windows.net/site/wwwroot). The bottom of the page features the same 'Diagnose and solve problems' and 'Application Insights' buttons. The Windows taskbar at the bottom shows the system clock as 20:59 on 27-08-2020.

Home > Traffic Manager profiles > Traffic Manager profiles

### Traffic Manager pr...

DXC Production

+ Add Manage view ...

Filter by name...

Name ↑

trafficdxc

trafficdxc | Endpoints

Search (Ctrl+/)

+ Add Refresh

Search endpoints

Name ↑↓	Status ↑↓	Monitor status ↑↓	Type ↑↓	Priority ↑↓
endpoint1	Enabled	Degraded	Azure endpoint	1
endpoint2	Enabled	Checking endpoint	Azure endpoint	2

Page 1 of 0

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

Home > recoveryservicevault1 > recoveryservicevault1

### Backup Items (Azure Virtual Machine)

recoveryservicevault1

Refresh + Add Filter

Fetching data from service completed.

Filter items ...

Name	Resource Group	Backup Pre-Check	Last Backup Status	Latest restore point
vm2	vm2	Passed	Warning(initial backup pending)	

Home > Microsoft.RecoveryServicesV2 > recovery-service-vault1

## Backup

recovery-service-vault1

**Policy**

Default  
Create new

**Backup policy**

Policy name \*

Backup schedule

Frequency \*  Time \*  Timezone \*

Instant Restore ☐

Retain instant recovery snapshot(s) for

RETENTION  Day(s)

Retention range

☒ Retention of daily backup point.

At  For  Day(s)

☐ Retention of weekly backup point.

OK

**Virtual Machines**

Virtual machine name... Resource Group

Enable Backup

Home > Recovery Services vaults > recovery-service-vault1 > Backup Items (Azure Virtual Machine)

## vm2

Backup Item

Backup now Restore VM File Recovery Stop backup Resume backup Delete backup data Restore to Secondary Region Undelete

**Alerts and Jobs**

[View all Alerts](#) (last 24 hours)  
[View all Jobs](#) (last 24 hours)

**Backup status**

Backup Pre-Check ✔ Passed  
Last backup status ⚠ Warning (Initial backup pending)

**Summary**

Recovery services vault: recovery-service-vault1  
Backup policy: backpolicy1  
Oldest restore point: -

**Restore points**

This list is filtered for last 30 days of restore points. To recover from restore point older than 30 days, [click here](#).

CRASH CONSISTENT 0 APPLICATION CONSISTENT 0 FILE-SYSTEM CONSISTENT 0

Time	Consistency	Recovery Type
No restore points available.		

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

## 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

## 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)

No errors

[Open in new page](#)

### Events - Last 72 hours(0)

No events

[Open in new page](#)

Home > recoveryvault | Replicated items > WestusVm >

Failover

WestusVm

Failover direction

From

West US(Zone null)

To

Central US(Zone null)

Recovery Point

Choose a recovery point

Latest app-consistent (8/25/2020, 9:35:...

☒ Shut down machine before beginning failover.

OK

Home >

Virtual machines

DXC Production

+ Add

⌵

⌚ Reservations

≡ Edit columns

🔄 Refresh

|

🏷 Assign tags

▶ Start

↺ Restart

⏹ Stop

🗑 Delete

☰ Services

Subscriptions: Free Trial

Filter by name...

All resource groups




All types

All locations

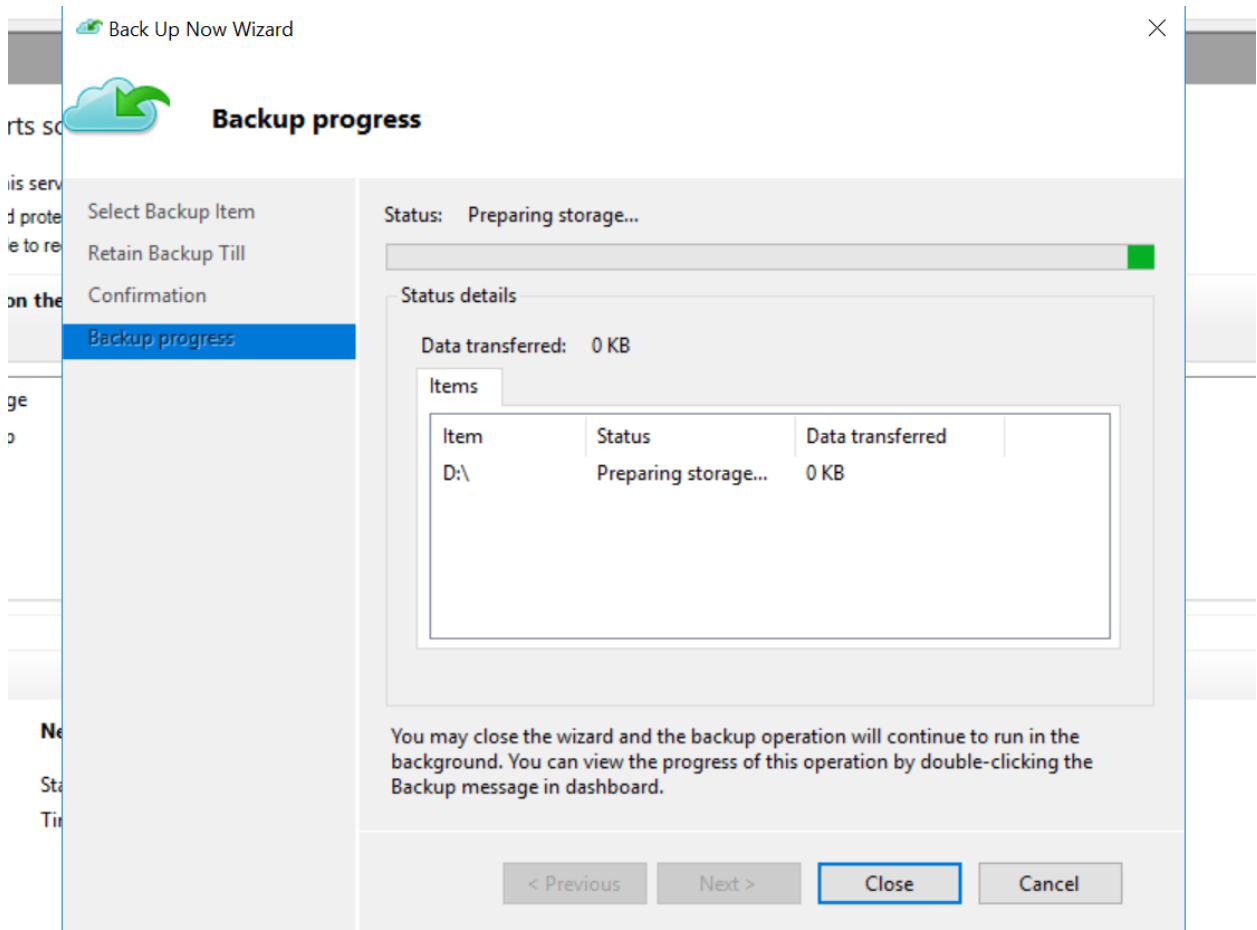
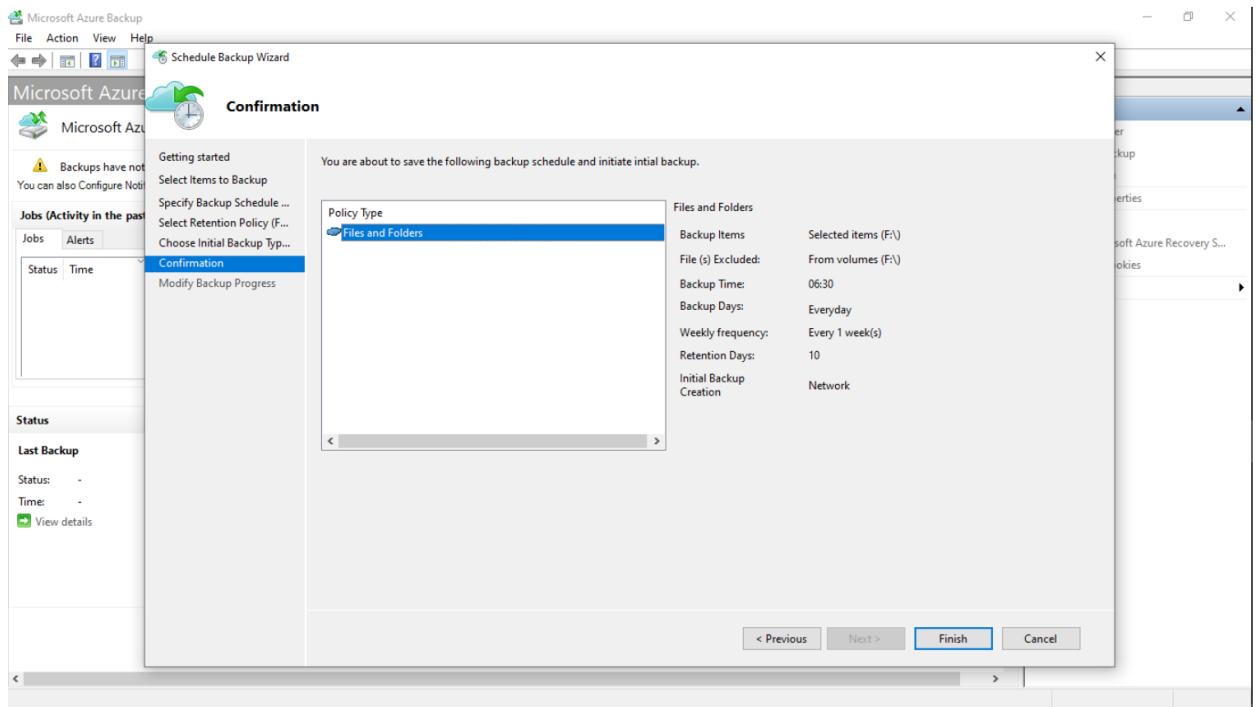
All tags

No grouping

1 of 3 items selected


<input type="checkbox"/> Name <div>↑↓</div>	Type <div>↑↓</div>	Status	Resource group <div>↑↓</div>	Location <div>↑↓</div>	Source	Maintenance status	Subscription <div>↑↓</div>
<input type="checkbox"/>  testvm1	Virtual machine	Stopped (deallocated)	testvm	East US 2	Marketplace	-	Free Trial
<input type="checkbox"/>  WestusVm	Virtual machine	Running	Westus-asr	Central US	Disk	-	Free Trial
<input type="checkbox"/>  WestusVm	Virtual machine	Stopped (deallocated)	westus	West US	Marketplace	-	Free Trial

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





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](#)