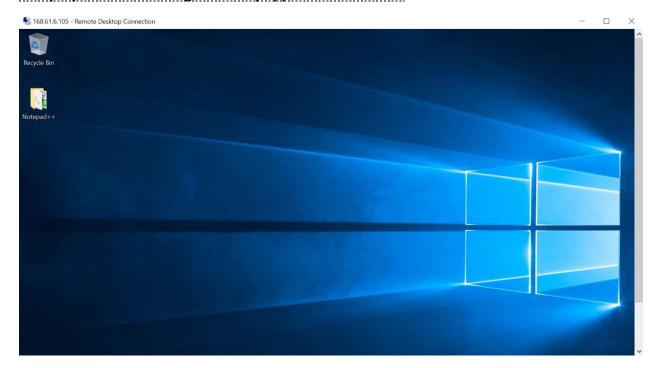
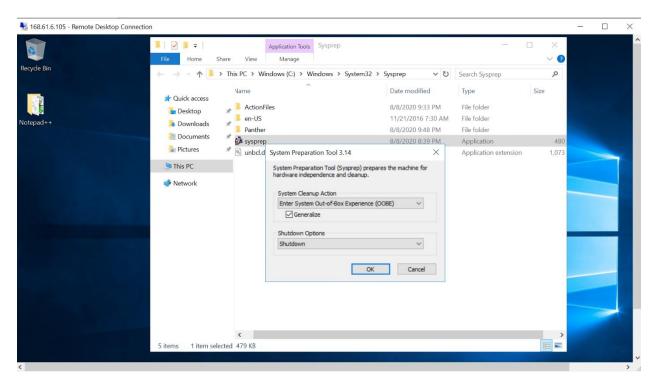
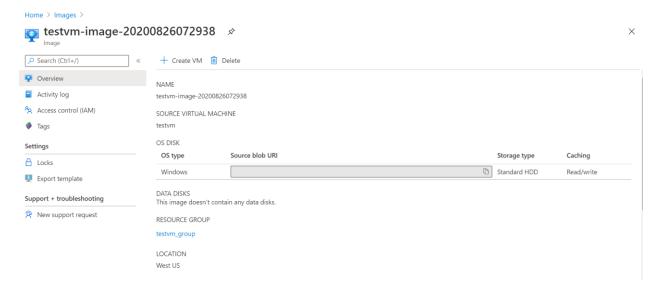
1.Deploy the custom image with any application installed:



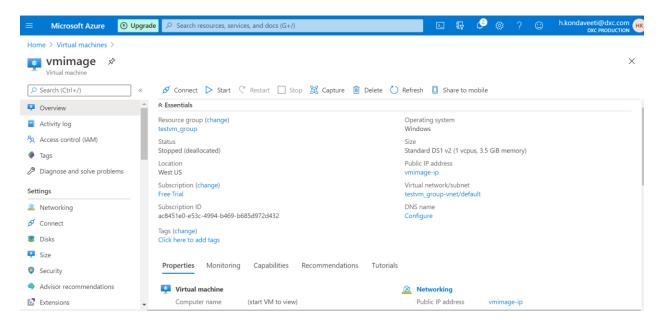
➤ In the above I have downloaded one application(notepad++) in testvm.



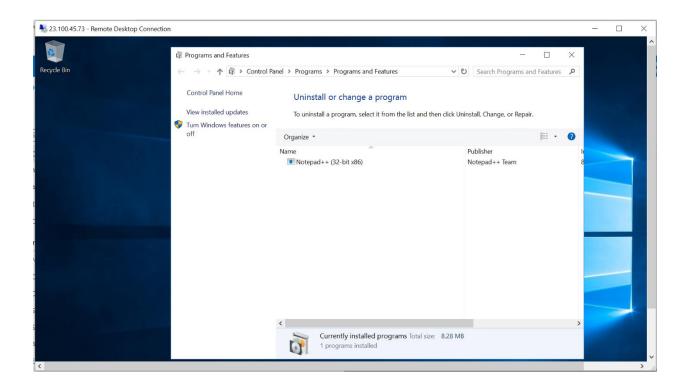
After that I generalize the vm using sysprep. It removes all the security and made the os usable for custom image generation.



> I am created a custom image of testvm

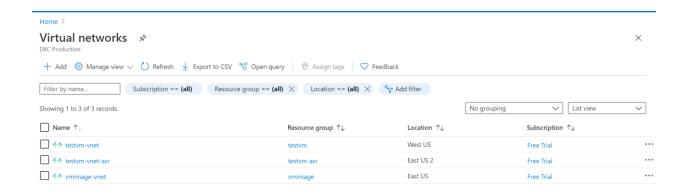


➤ I have created a another vm vmimage by using custom image testvm.

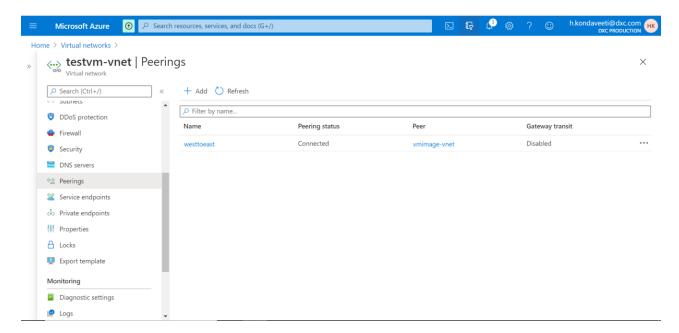


I open the vmimage. Here I check whether the Notepad++ is installed or not. It is installed because this vm is created using custom image from testvm where already Notepad++ is installed before the Custom image creation.

2.Create a 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:



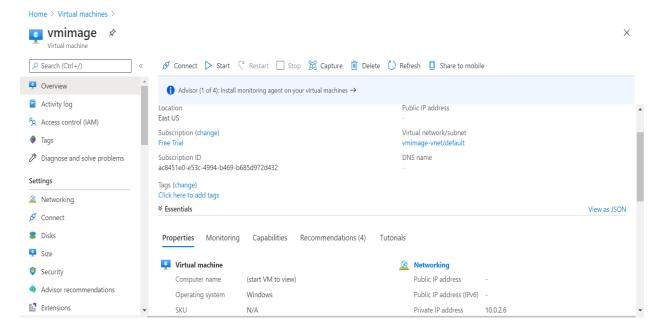
In the above diagram I have created two virtual networks, one network is in westus location and another one is in eastus location.



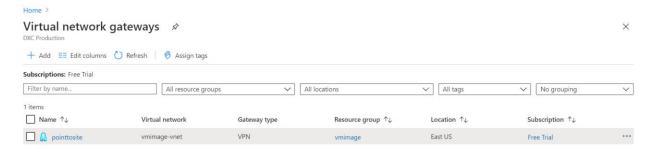
In the above diagram I have enabled a peering connection between westus to eastus



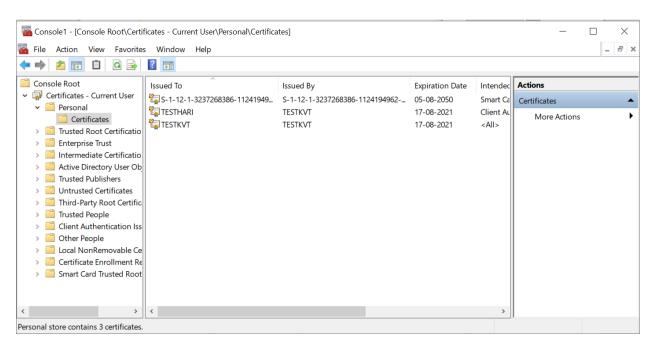
In the above diagram I am accessing my virtual machine using private ip from westus location. Actually it is in eastus location as shown in below diagram.



3.Create a Point to site VPN in west us location and try connect from your location laptop to Azure datacenter:



I have created a point to site VPN in eastus location



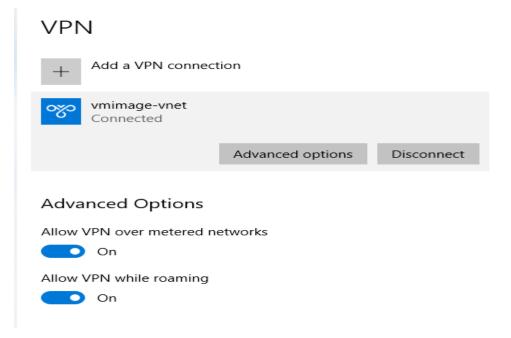
> I have created a root certificate and client certificate using windows powershell.



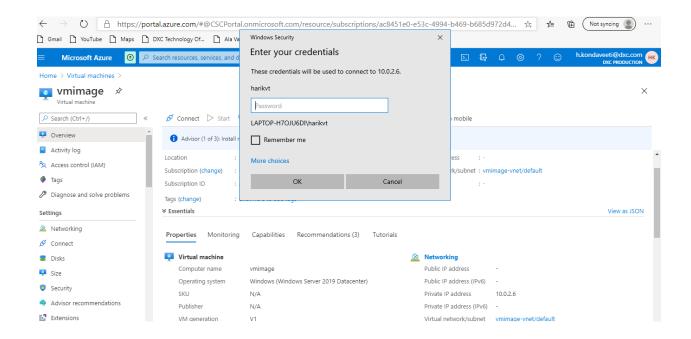
MIIC3zCCAcegAwIBAgIQF/8SN08MQqxF5HPoKj4zszANBgkqhkiG9w0BAQsFADAS MRAwDgYDVQQDDAdURVNUS1ZUMB4XDTIwMDgxNzEzNTQyNloXDTIxMDgxNzE0MTQy NlowEjEQMA4GA1UEAwwHVEVTVEtWVDCCASIwDQYJKoZIhvcNAQEBBQADggEPADCC AQoCggEBAK1CMwS7Rm99VU07zp2wHekb/kdvH+zCQ7qbPcTIxrpqvHYHFwfUrq+V opONKtRpY9H7qkoE8jXXTG1/3Omt/Oc41W1zGOcooWP9QBfHX/mmIL6oxk9EmrBI fXW6fkT5L481HdUn87p7HoH8OyI71BI7361ixmo0UJcq8dnAjwzNwRe91nVIBg+U k3RDGDOU//JbTdRR9UBRQ9WCxg18VGX2FUsOUbbSjDFA+QdxiCUq6PUVbK1PZtiz eBROvQK81jK4jROspKRAMf4dG+z+vk61WcvC3ykbFf/7bL1YOsZy1Lm2akUhleZJ oRfYyPd1QVRsIyV9QIDpmcPygyIHq00CAwEAAaMxMC8wDgYDVR0PAQH/BAQDAgIE MB0GA1UdDgQWBBSBbu4gCPd2NeEIJu2DV0gJ2AEuDDANBgkqhkiG9w0BAQsFAAOC AQEATxCaesGj2BKFyxX9i/srgBXqreEdAASnuCgu0usLcctk6kucHpNG/GE4PqAC aNz8B8sYnO9R7OQ8CIjc2XW7QfSEq2jq5p/lf2YFH1vMPvQRh1vRIttTlg580SFe VQ6//FGBEjucySTHbfW/FxJigtK3Sklwl/GheeCsGzoHCpcw+BA8am0tVnA9MT+S +9LzsUoApbst3yIbb3mKaLAXHq2+sEa+ePn+5USKx49SVYpYJNYIeLkyCnHtpp8q yYfD8YuLds569U42r5cW4s3gBt0NDzyJcX84oBNrePbSAL8tle9YtMHRs7VHMZj8 Ljob2tWhnYt9z61wXhkI8GIQ2g==

----END CERTIFICATE----

After that I export the root certificate and copy the key inside the certificate inorder to upload it in azure portal.

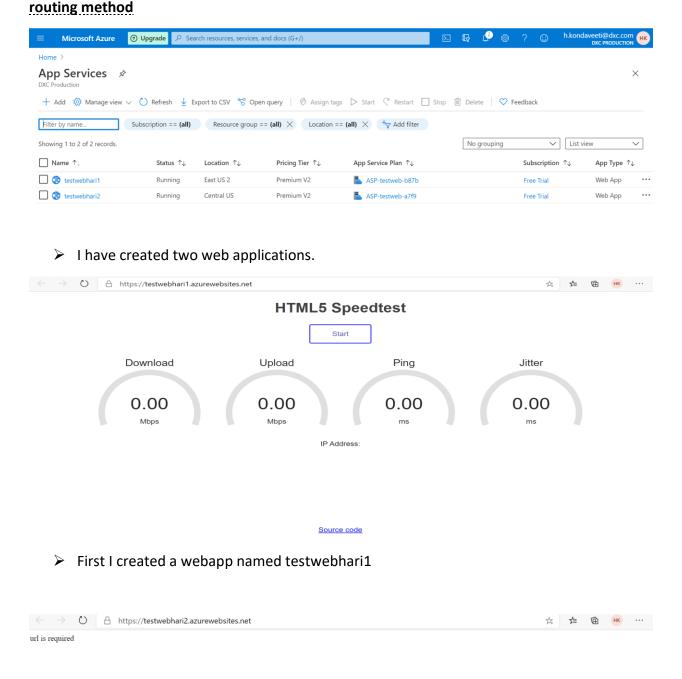


I am connected VPN to my personal laptop.

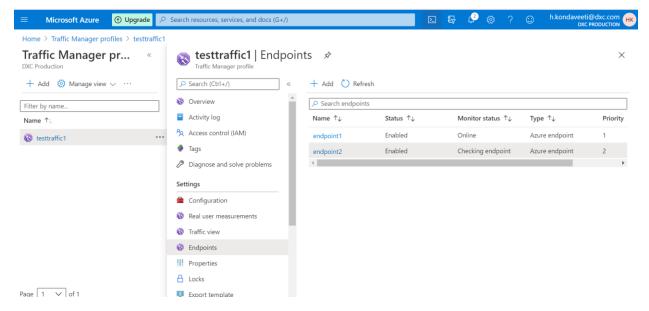


➤ I am trying to connect virtual machine with private IP address within the virtual network connected to my personal laptop.

4. Create a two web applications and put the apps under traffic manager with Priority



> Second I created a webapp named testwebhari2



After that I create a traffic manager profile using priority routing method and connect the end points of two webapps which I create earlier.

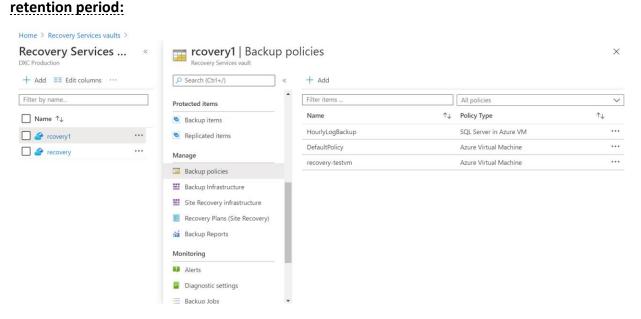


After connecting to traffic manager profile I try to access the web apps using traffic manager url and it shows the testwebhari1 web app. Because it has priority 1



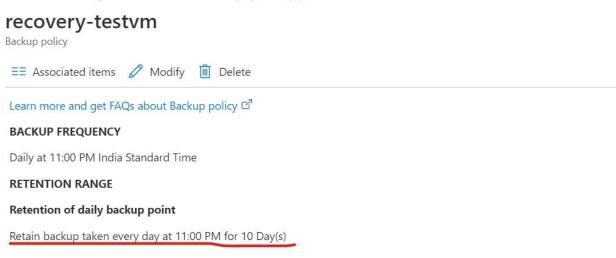
Next I disable the 1 st webapp and try to access the same url. Now it shows testwebhari2 webapp because the 1st webapp which has priority 1 is disabled and 2nd app has priority 2 so it opened

5.Create a Backup solution for the Vm and assign a daily policy to the VM with 10 days



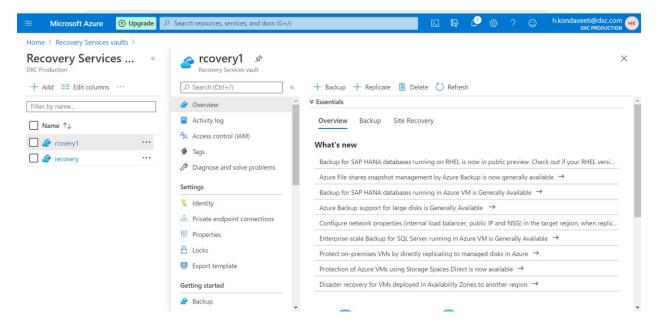
In the above diagram first I have created a recovery1 by using recovery service vault then I have created a backup policy for test-vm virtual machine

Home > Recovery Services vaults > rcovery1 | Backup policies >

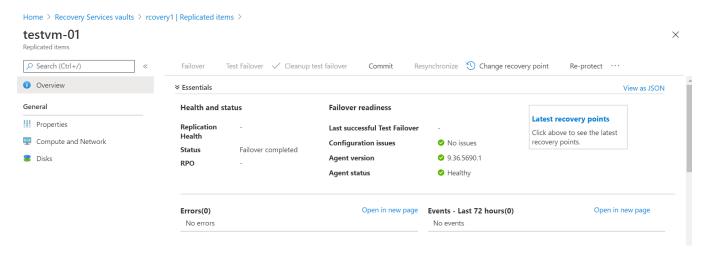


In the above diagram I have created a backup policy for the VM and assigned a daily policy to the VM with 10 days retention period.

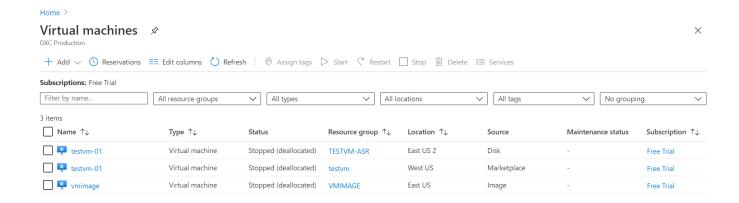
6.Replicate the VM form west us to any location using failover:



> Here also first I have created azure recovery service vault named recovery1.

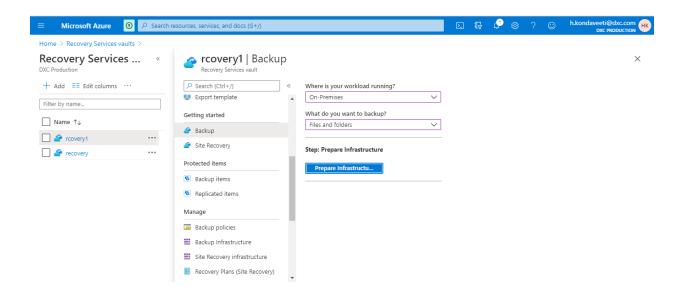


I did a failover by using recovery service vault for test-vm which is in westus.

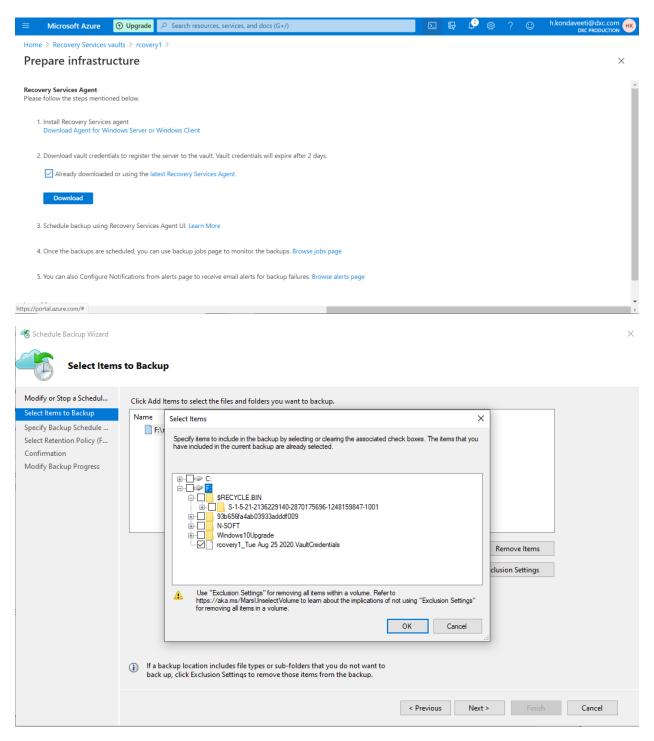


After completion of failover it is replicated from westus location to eastus location.

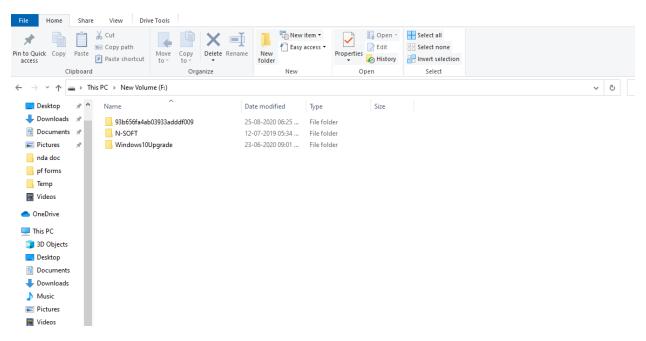
7. Take a on-premises backup using backup agent and exclude test folder from any drive:



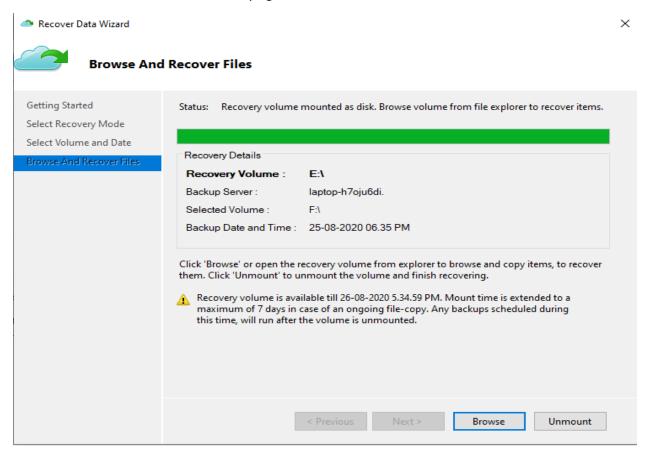
➤ I have taken a on-premises backup.



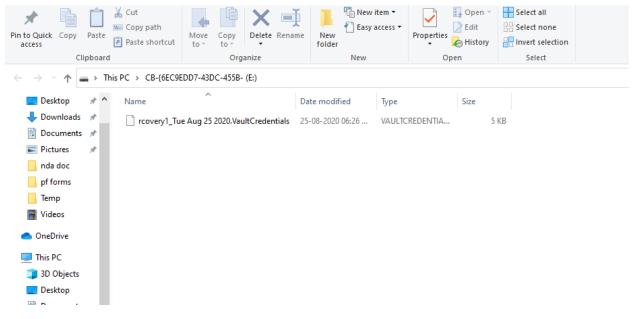
In this I am using F-drive for backup and I scheduled a backup.



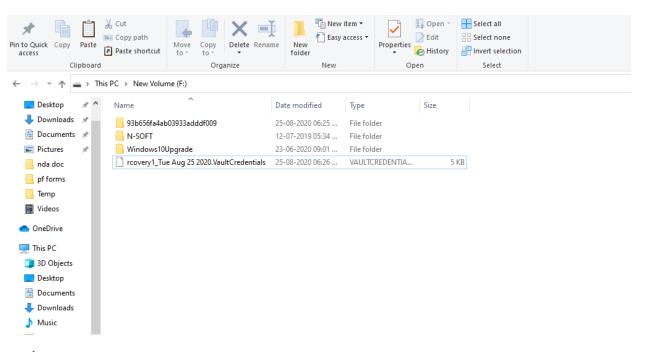
I have deleted a file in f-drive trying to recover data.



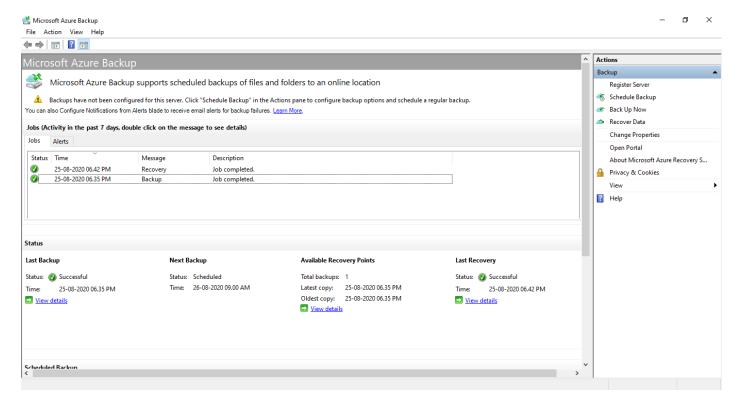
> Data recovered in a new volume E.



I copied data from E-volume to F-volume.



I pasted data in F-volume and unmount the data.



> I have scheduled backup and recovered data successfully in on-premises.