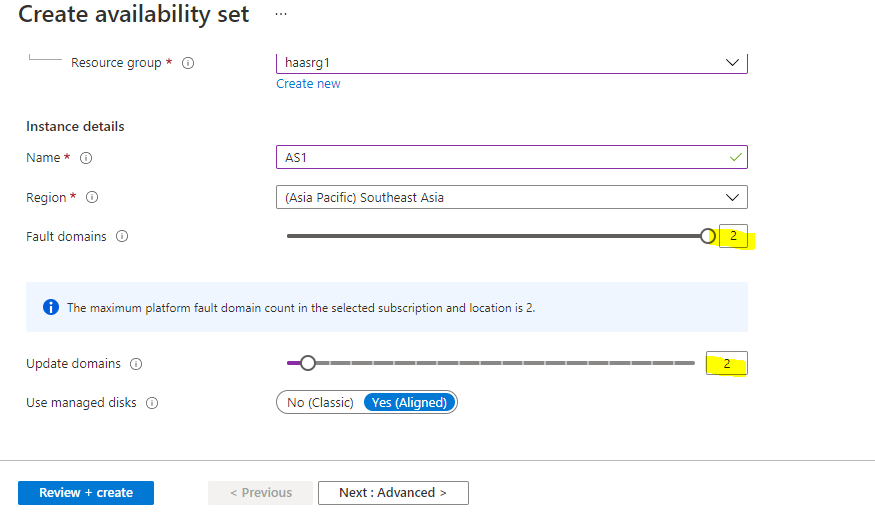
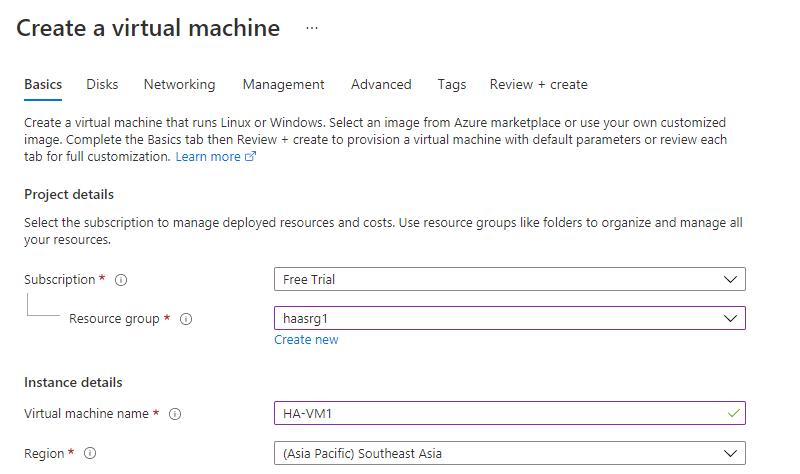
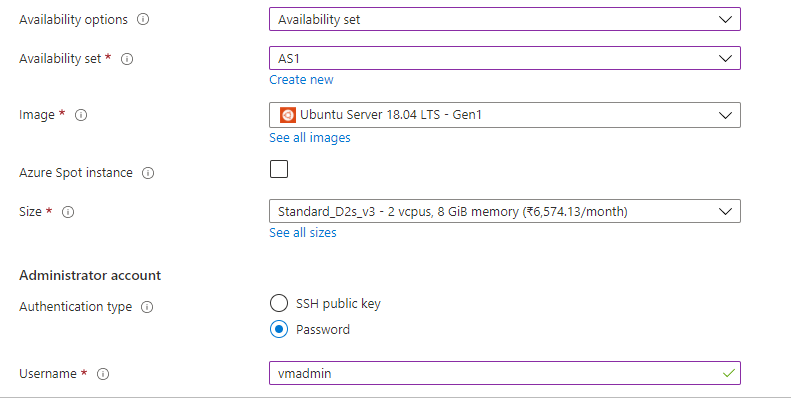
1.Two web servers with 99.95% high availability

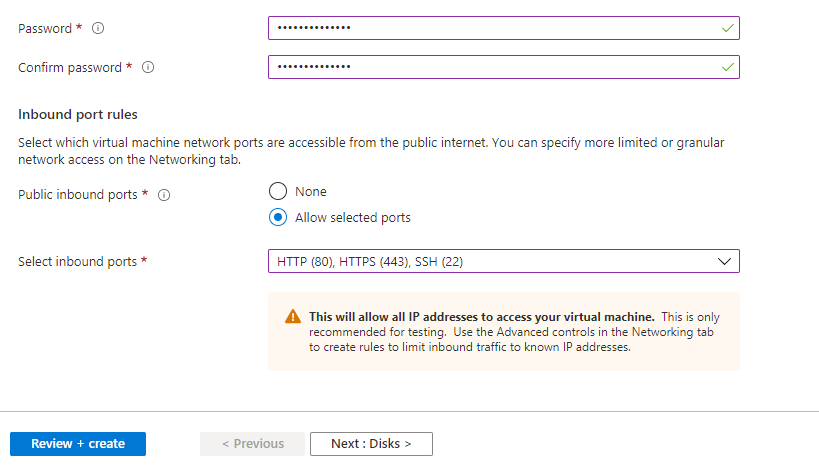
Created new RG(HAASRG1) and selected region southeast asia

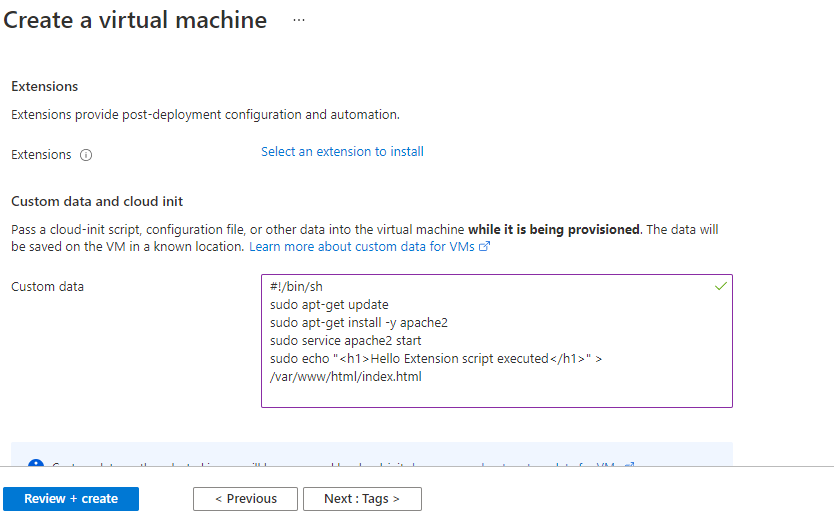


Cretaed1 vm called ha-vm1

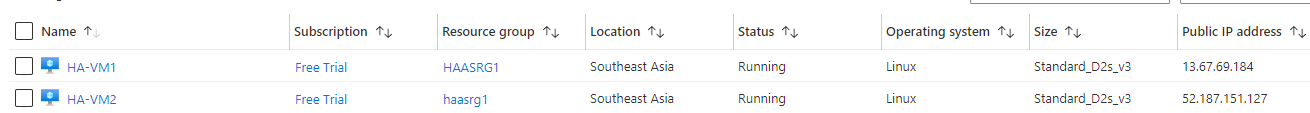




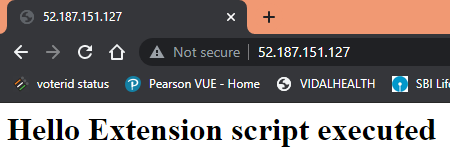




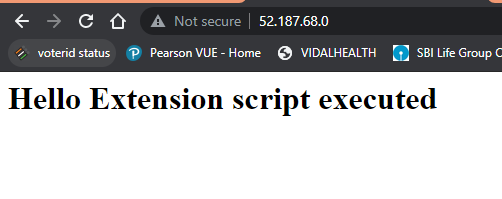
Created 2nd vm named HA-AS2 same as above



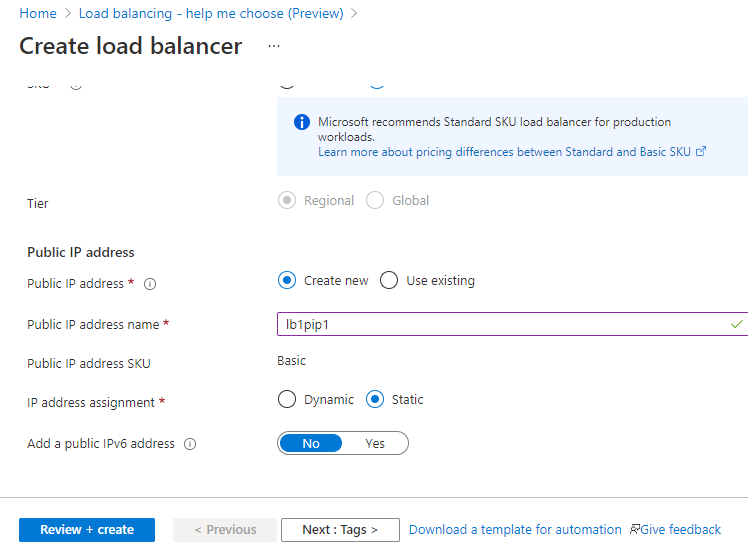
Ha-VM2 output

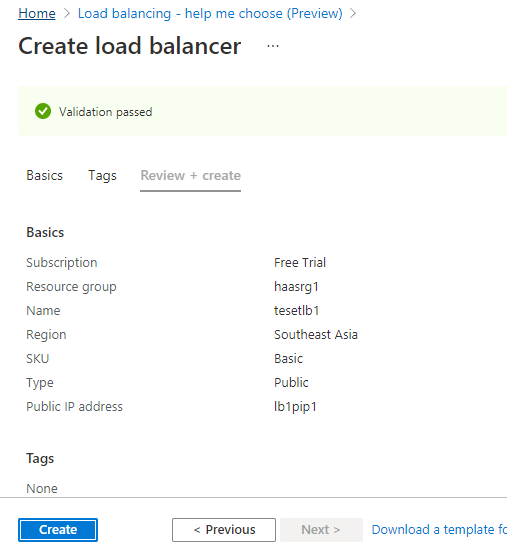


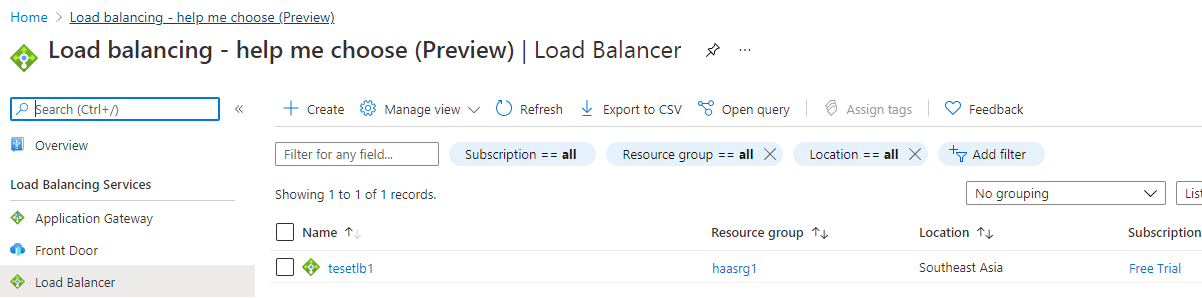
HA-VM3 output

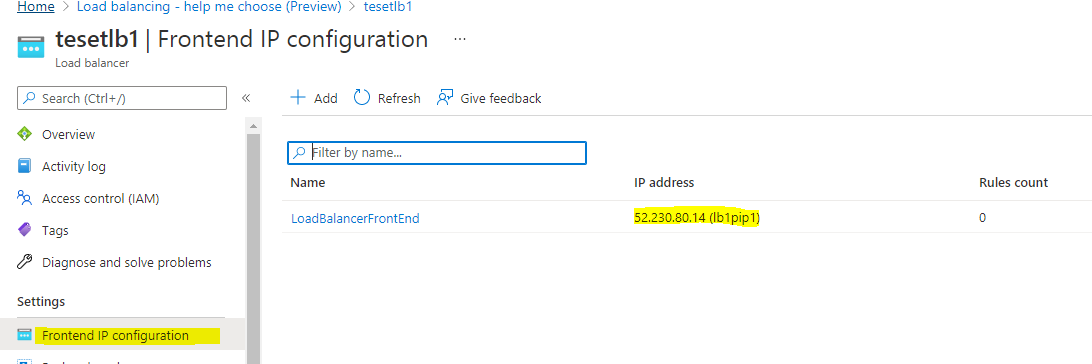


**2.These web services has to be utilized with proper balance with client affinity with Public IP**

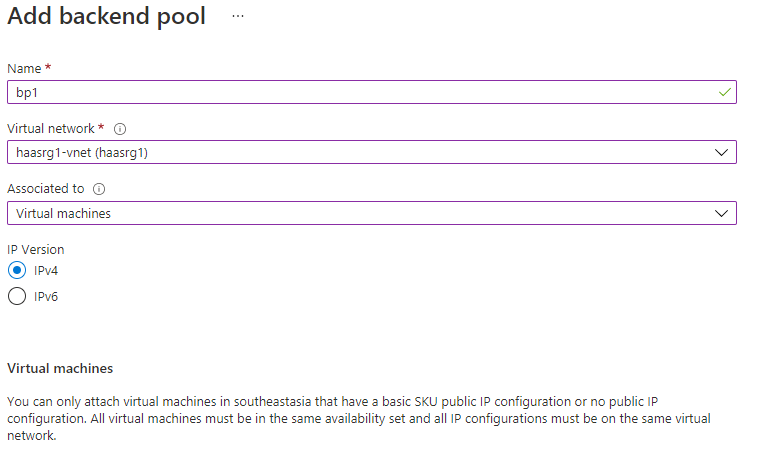
****

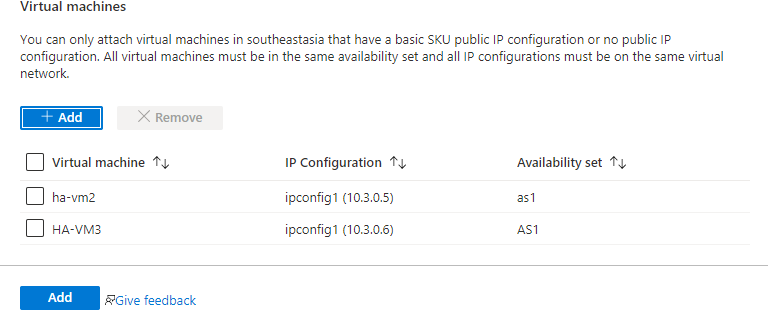
****

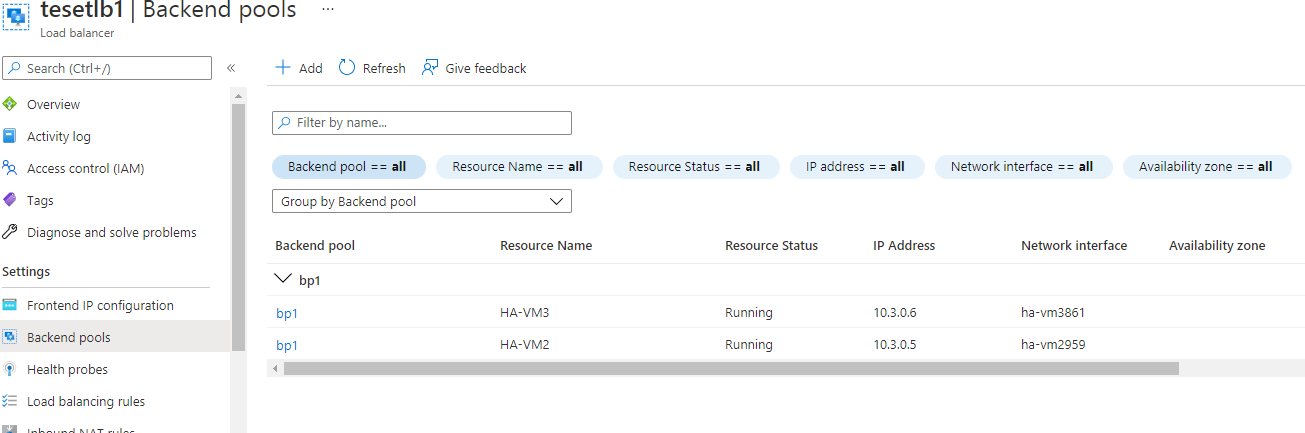
****

****

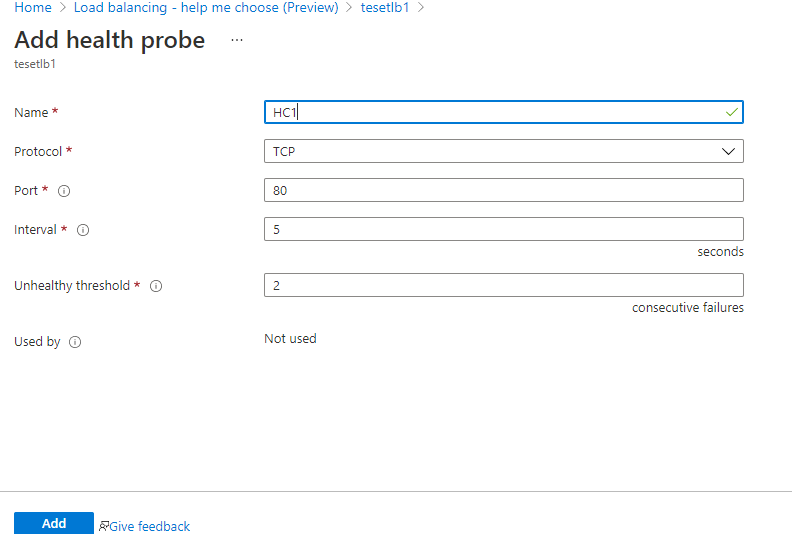
**Create backend pool**

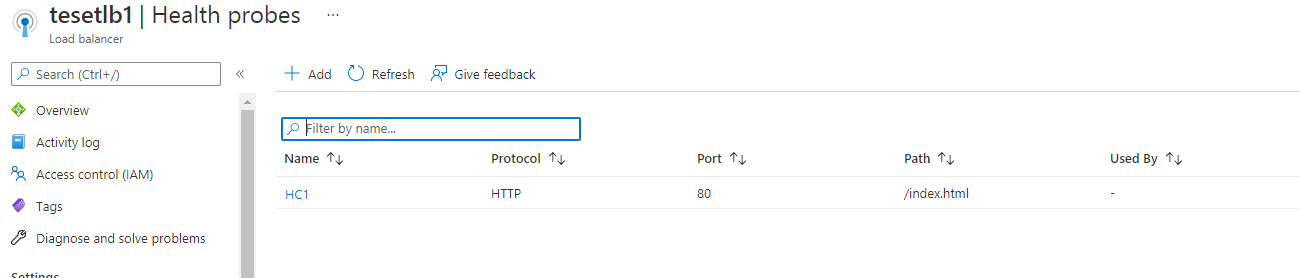
****

****

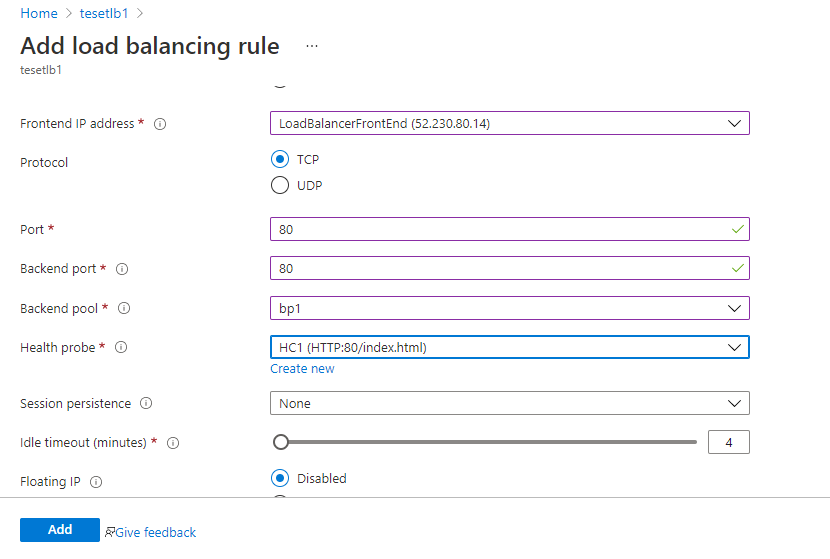
****

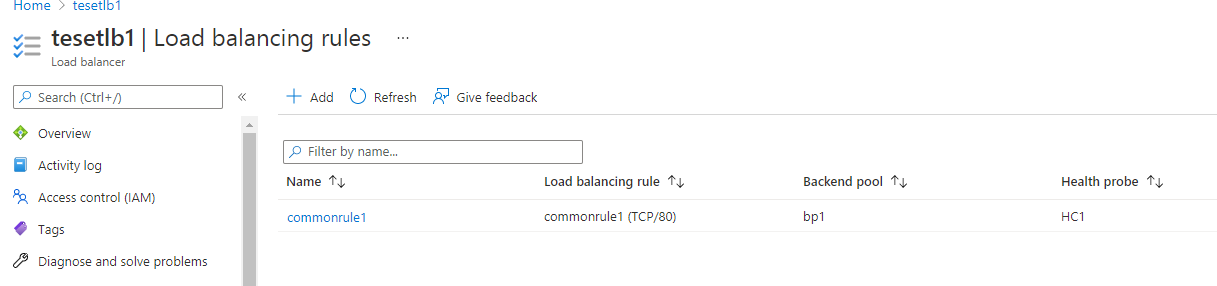
**Create health probe**

****

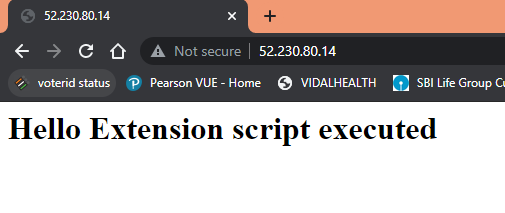
****

**Creating load balance rules**

****

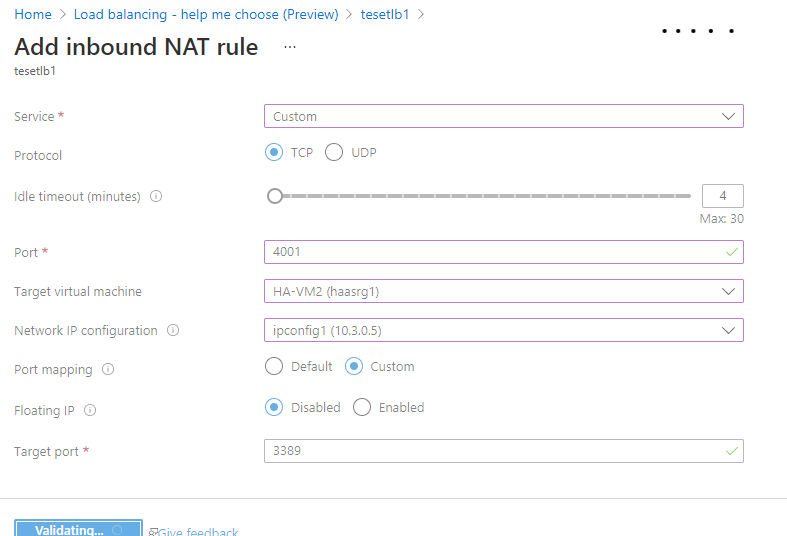
****

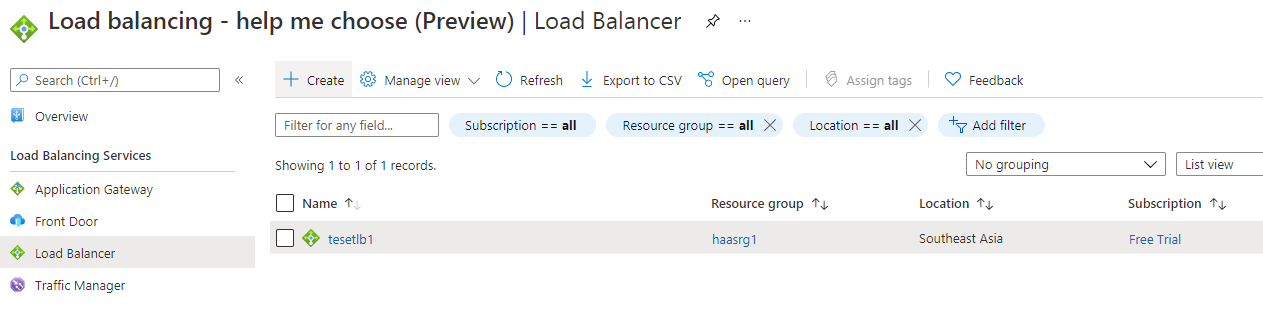
**Final load balancing output**

****

**3.Selected web servers should be reachable via RDP from internet**

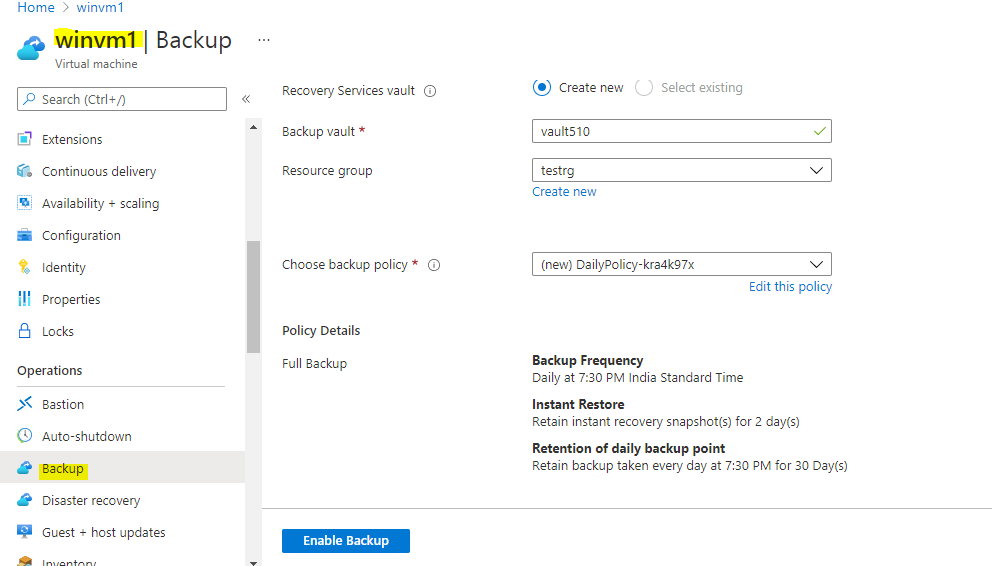
Created inbound NAT rule for webservers



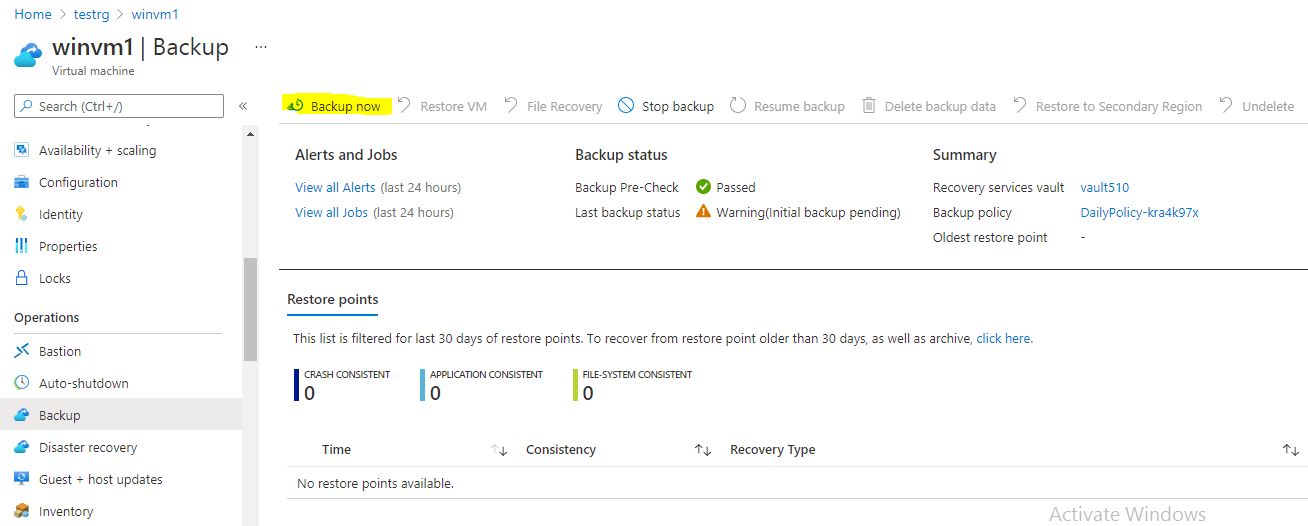


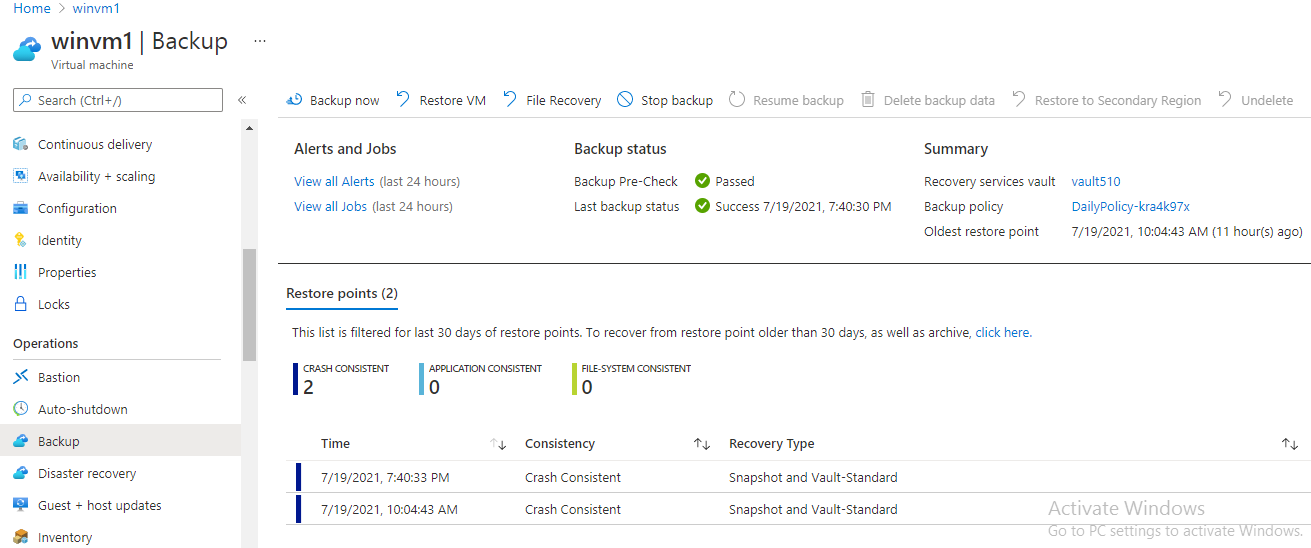
4. Enable backup for WebServers

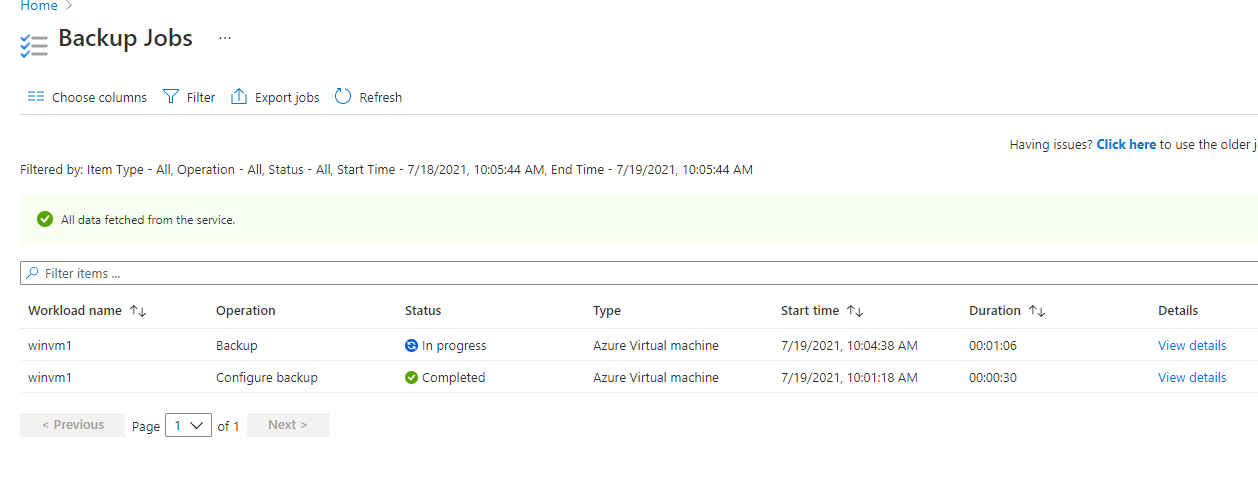
I have taken existing vm for backup.



Backup initiated

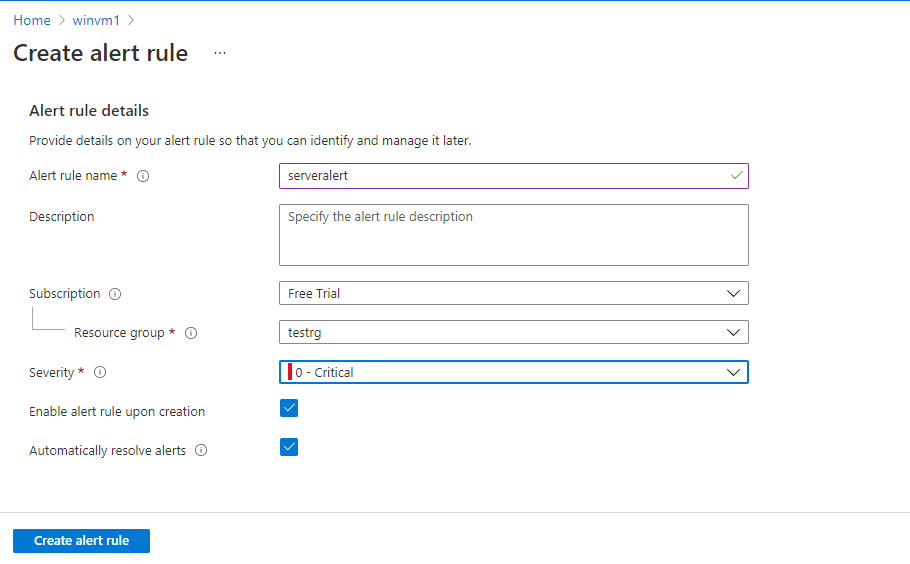




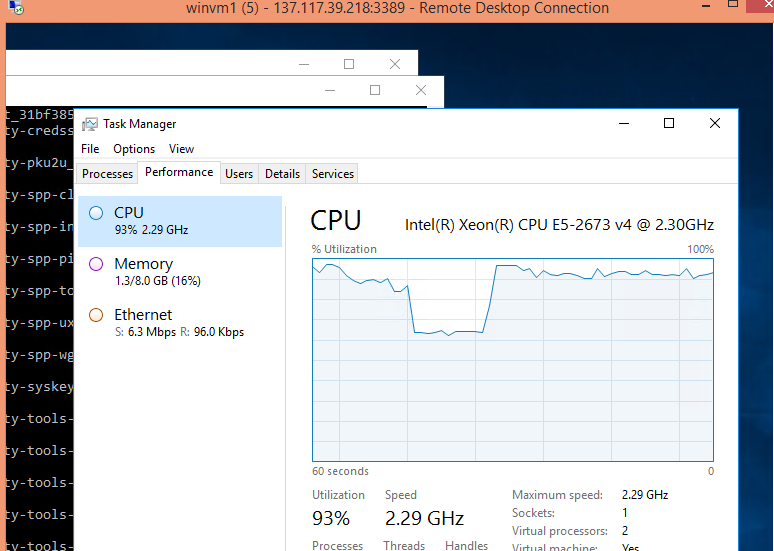


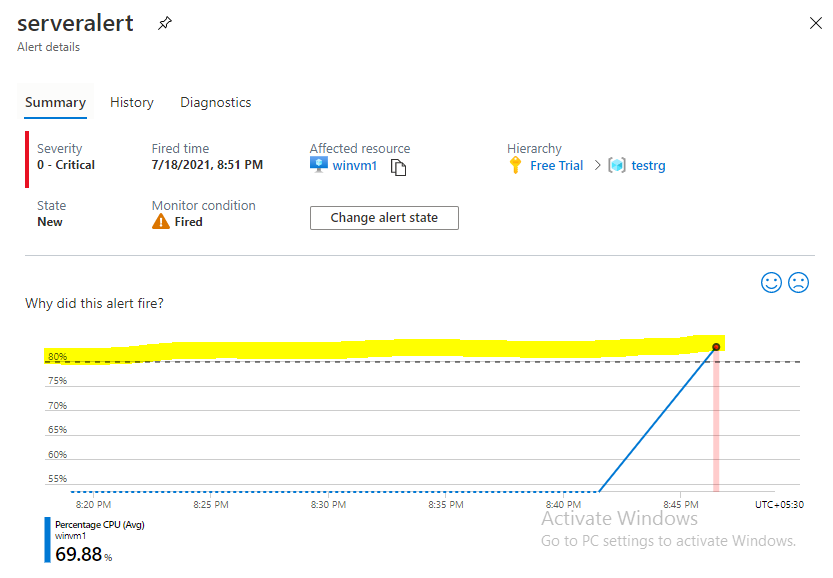
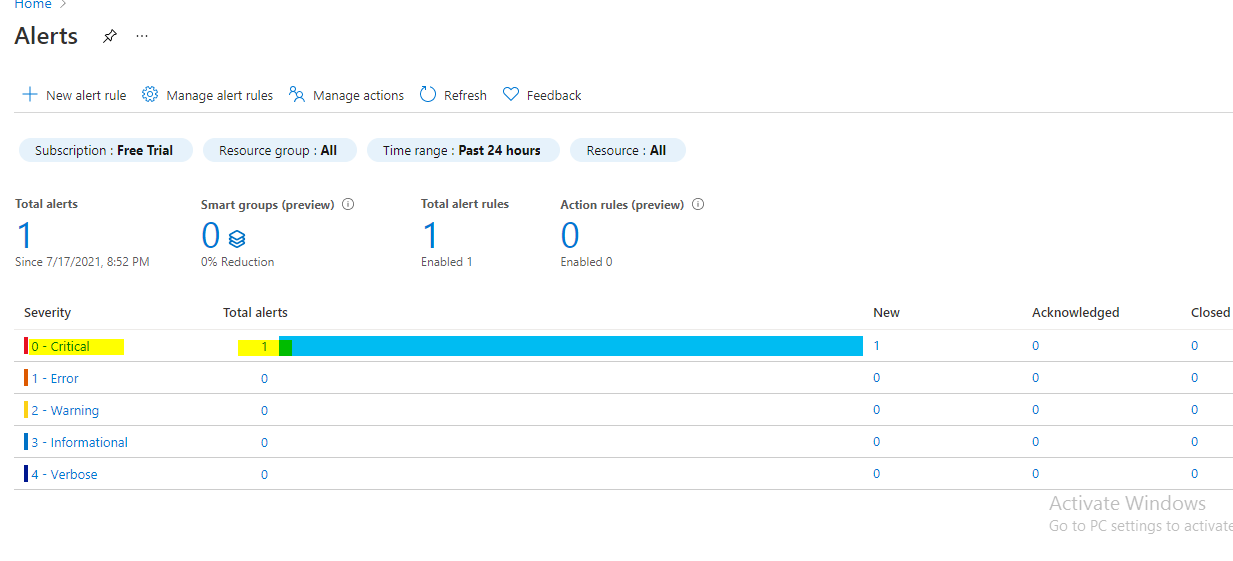
5. Have alert generated in case of 80% above cpu usage

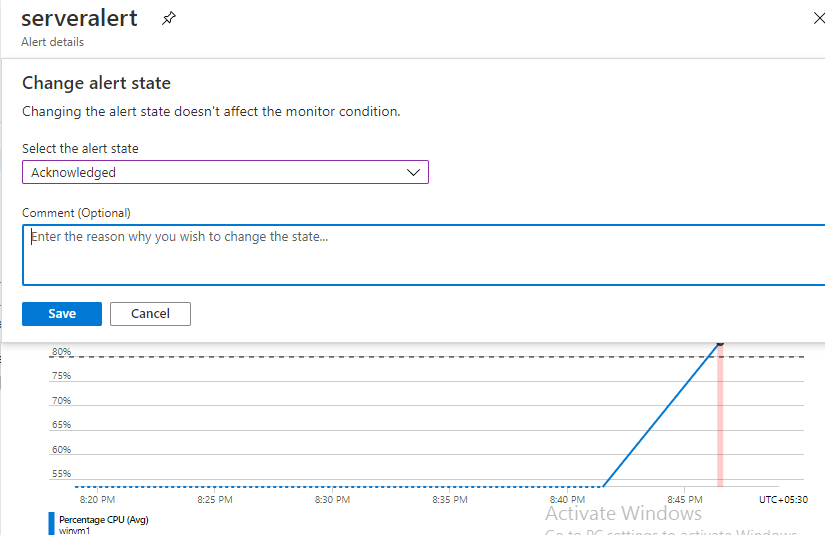
Goto azure portal—alerts—create alert rule for any vm

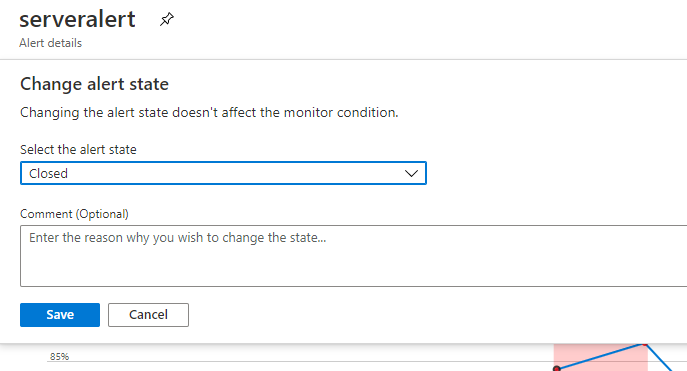


Now goto winvm1 machine and create some load on CPU

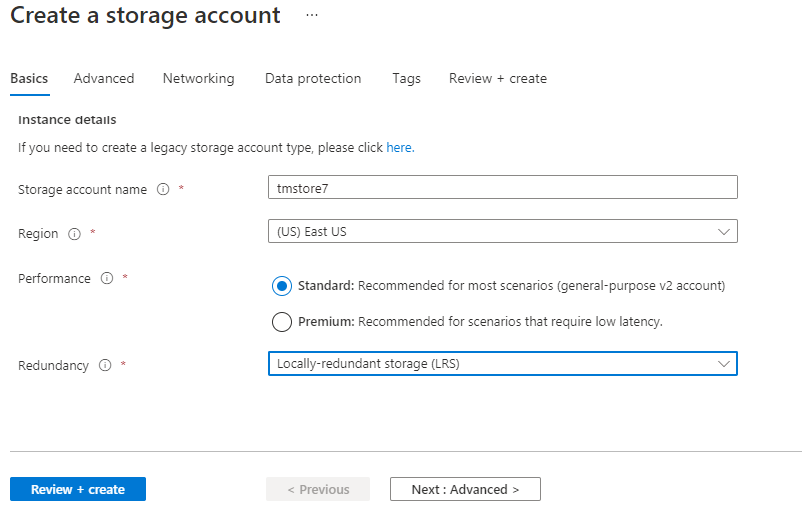


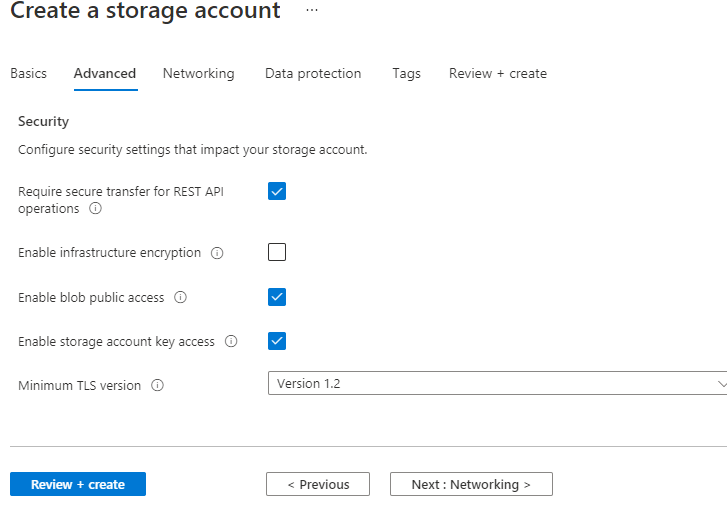


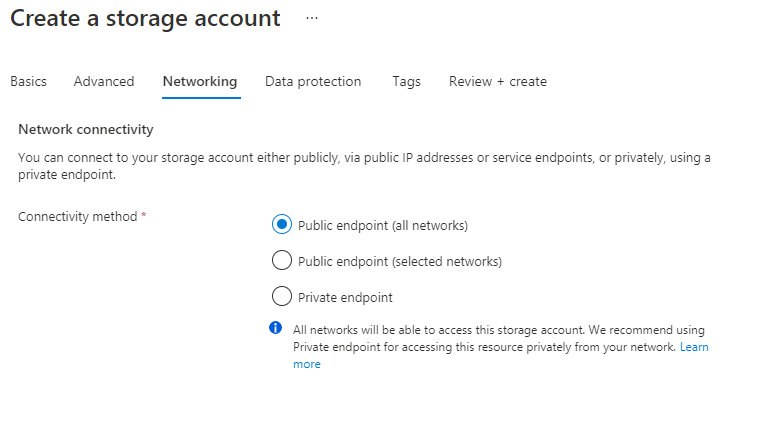


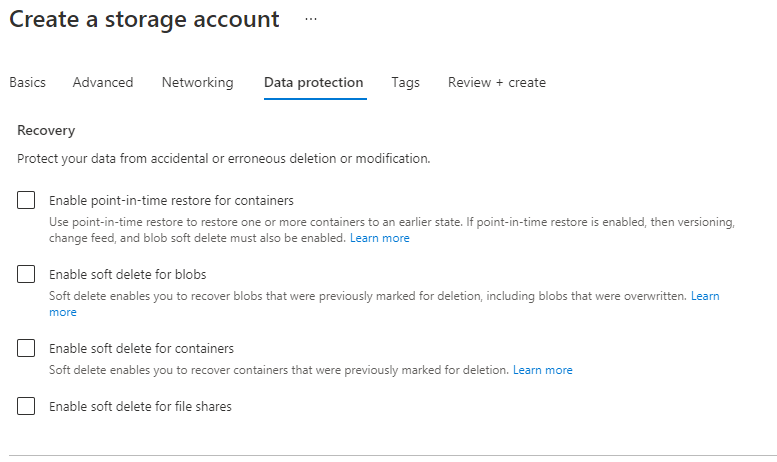


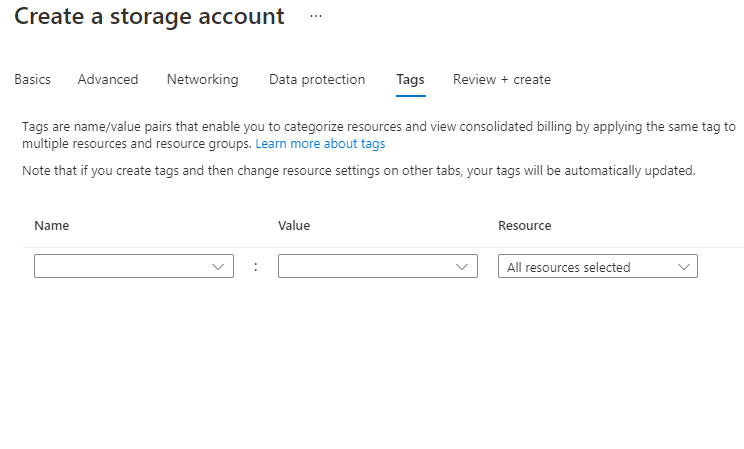
6. **The storage should be accessible by applications with secure access. Provide access urls and keys.**



. 







Storage account : tmstore7

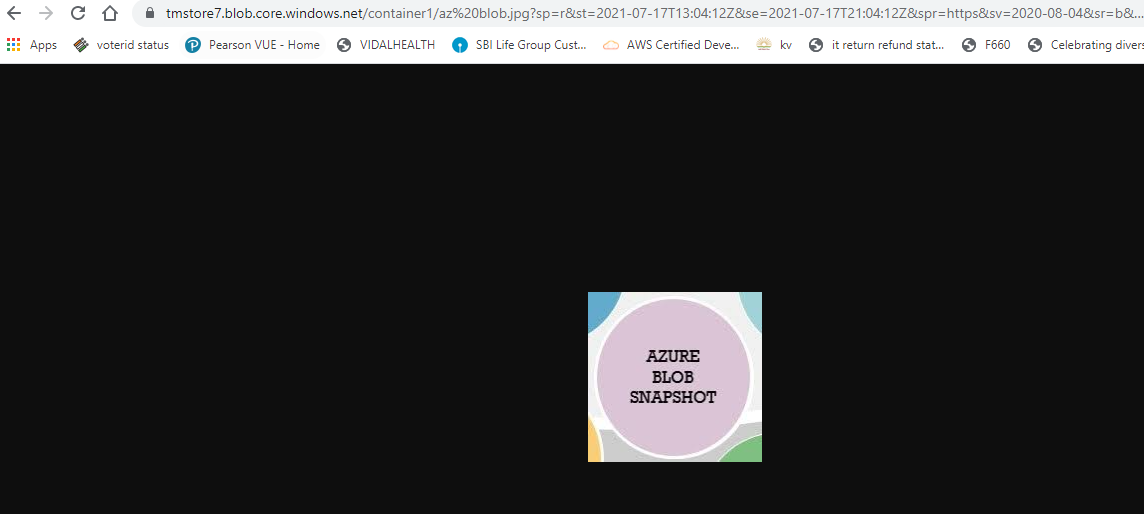
RG: srg

Location: east us

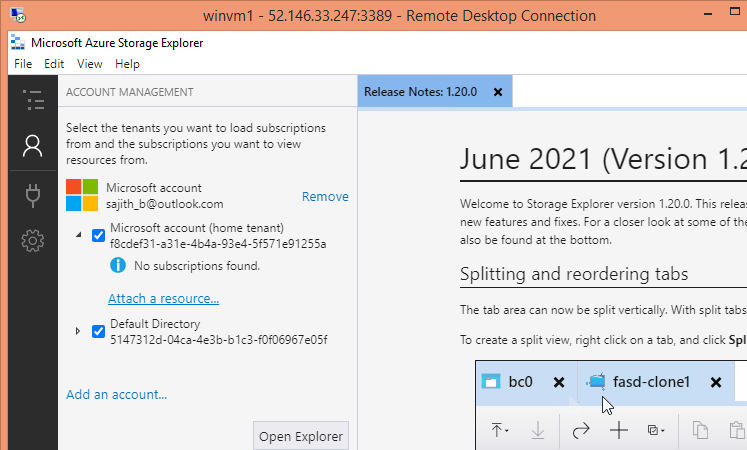
Created one container: container1

Uploaded file in blob and generated SAS and copy the blob SAS url in browser it is working fine.

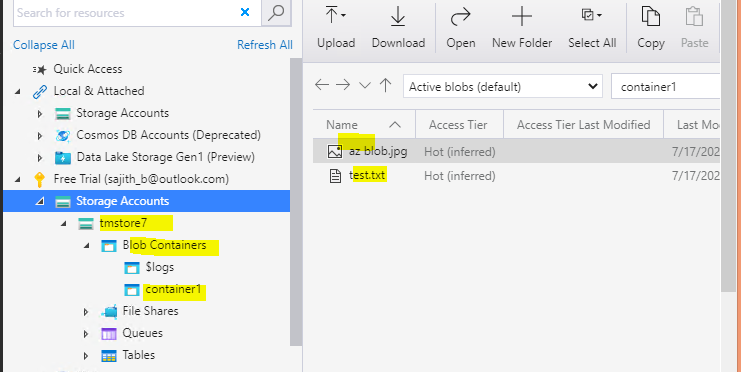
https://tmstore7.blob.core.windows.net/container1/az%20blob.jpg?sp=r&st=2021-07-17T14:36:27Z&se=2021-07-17T22:36:27Z&spr=https&sv=2020-08-04&sr=b&sig=wrP2rXgPr%2FNp0F%2BIETxXPgo1D%2BUCtT2SdnSQh6MddgY%3D



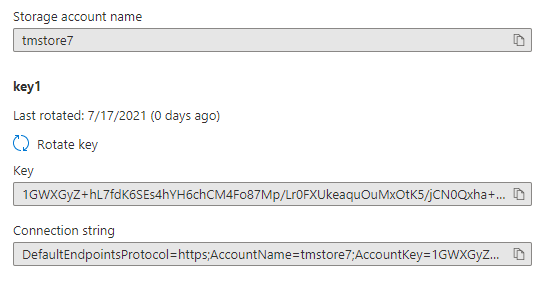
Connected windows VM and installed azure storage explorer



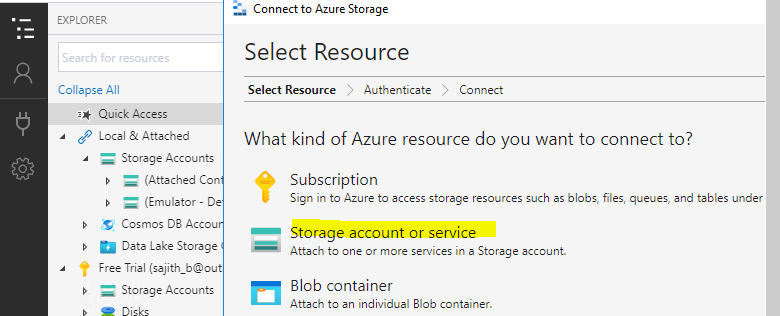
Connected azure storage account in azure storage explorer and able to see uploaded files in blob

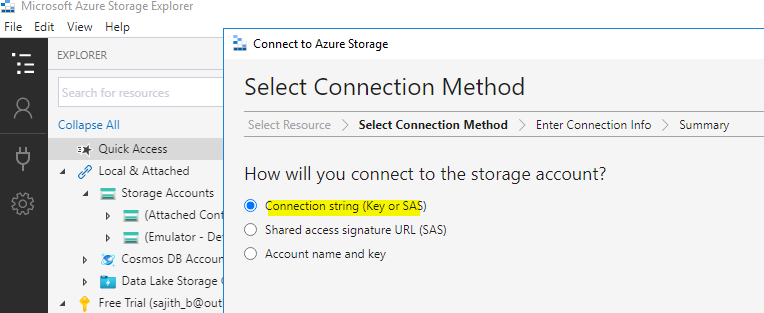


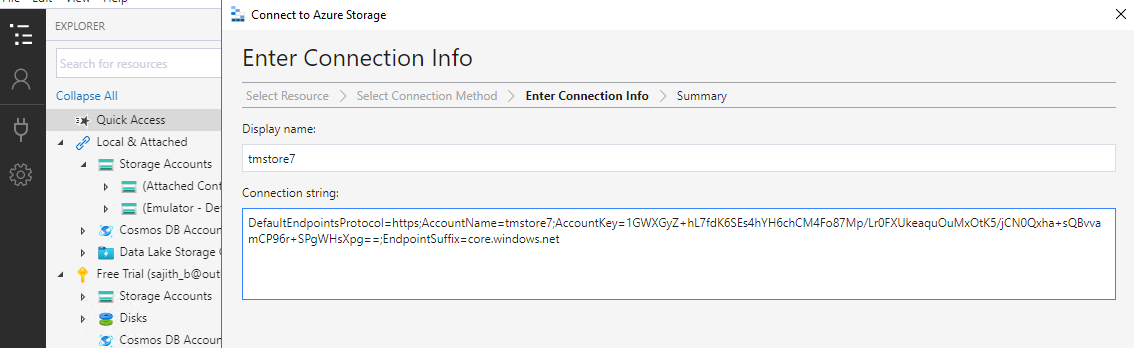
Access keys

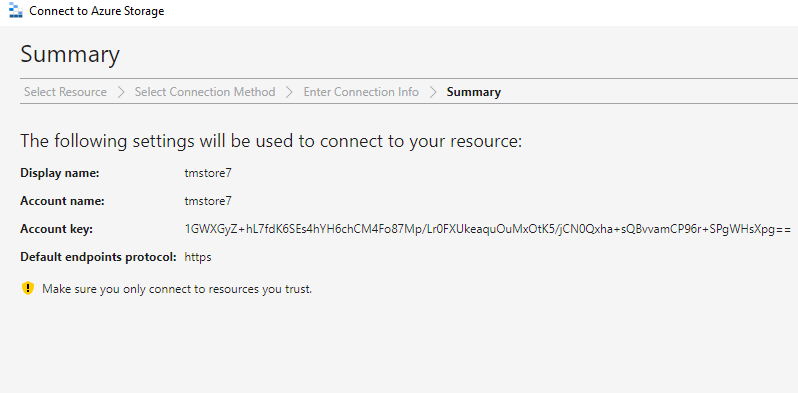


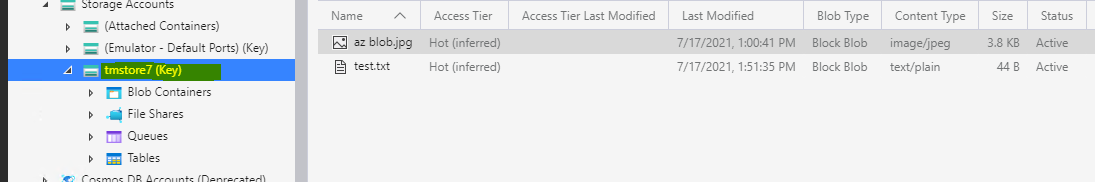
Goto azure storage explorer



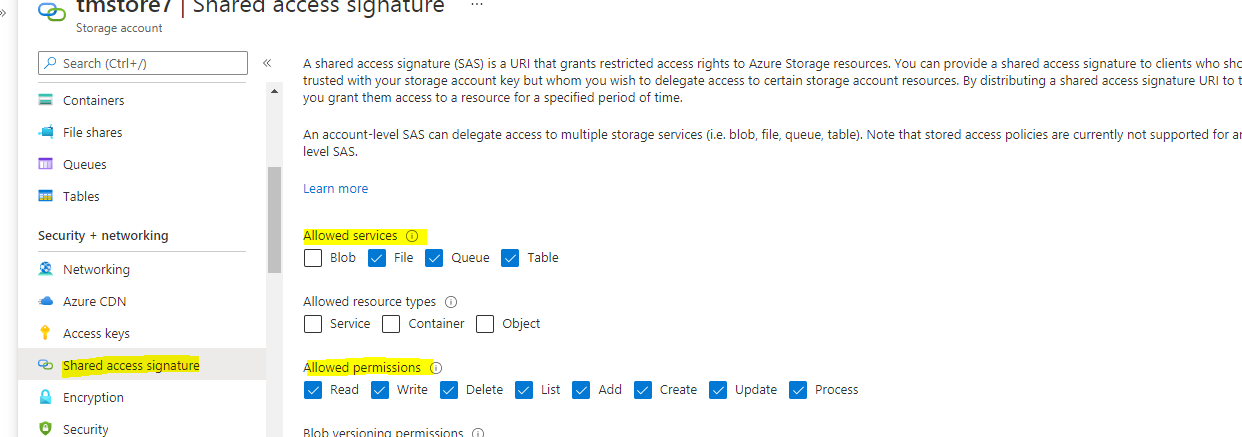








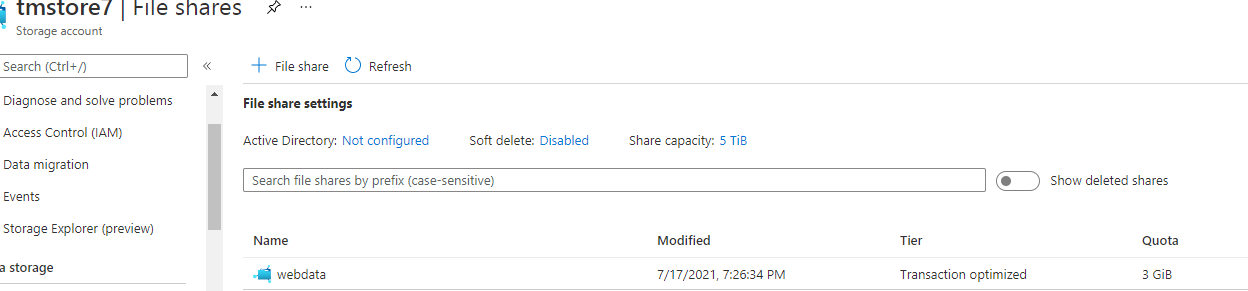
By using shared access signature we can provide all read and write permissions for users

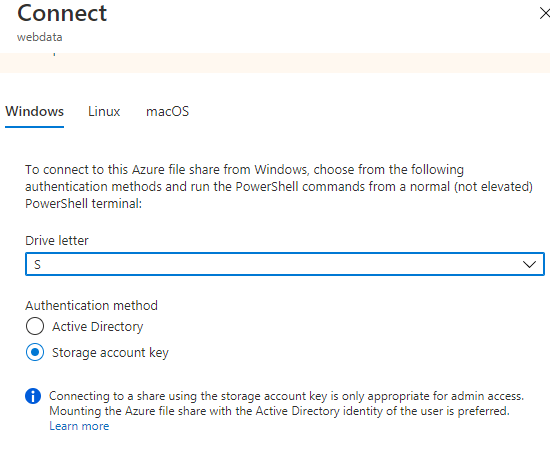


**7. Sales manager should access his resource from windows explorer**

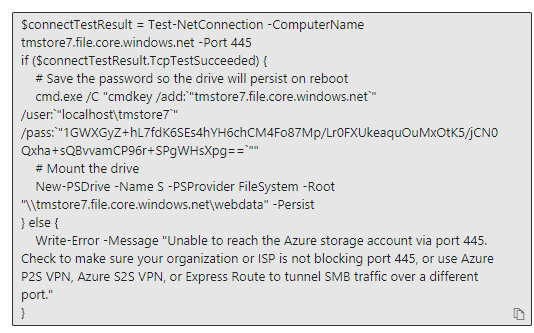
Created file share i.e.webdata and given some quota 3GB.

Connected webdata

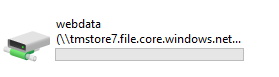
****

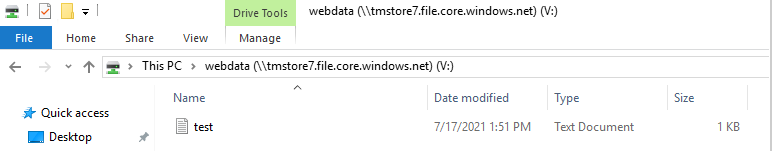
****

copy below script on windows vm and pasted in power shell

****

Now any member his access file share(s drive) from windows explorer

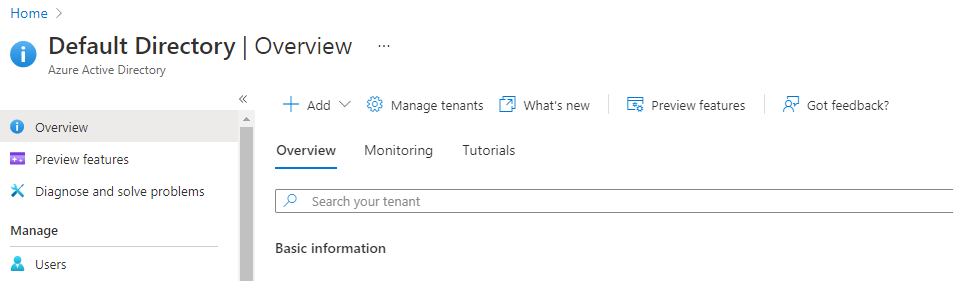
****

****

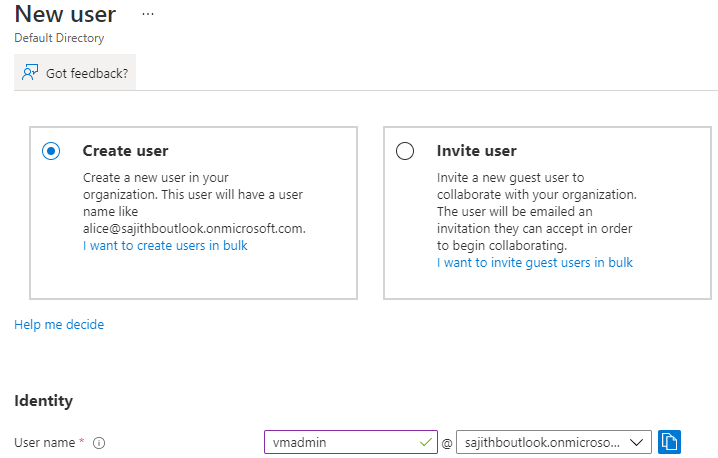
**8. Create Vmadmin user who can manage all VM in the subscription**

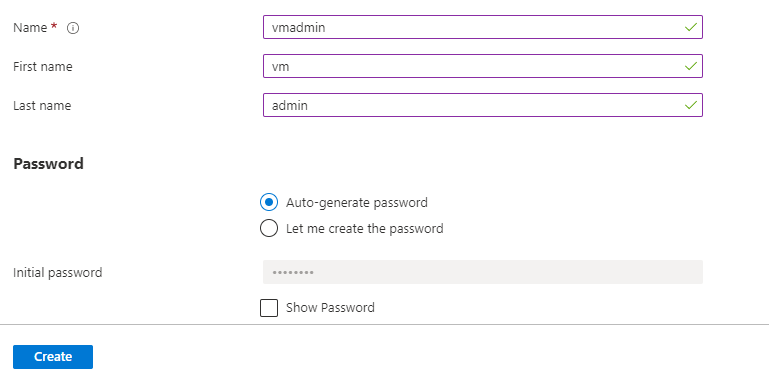
Using portal:

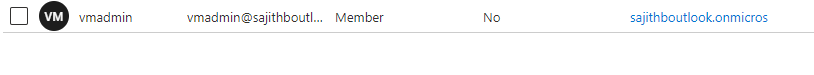
Goto azure active directory in portal



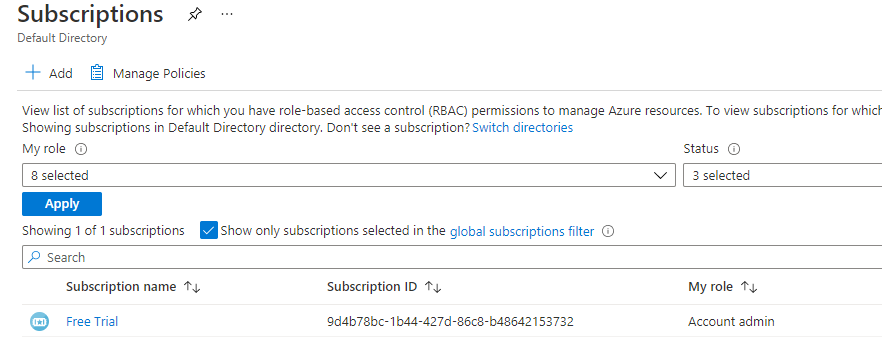
Goto users and create user

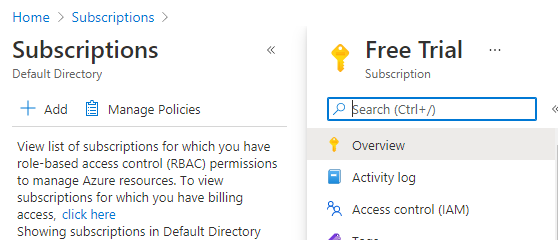


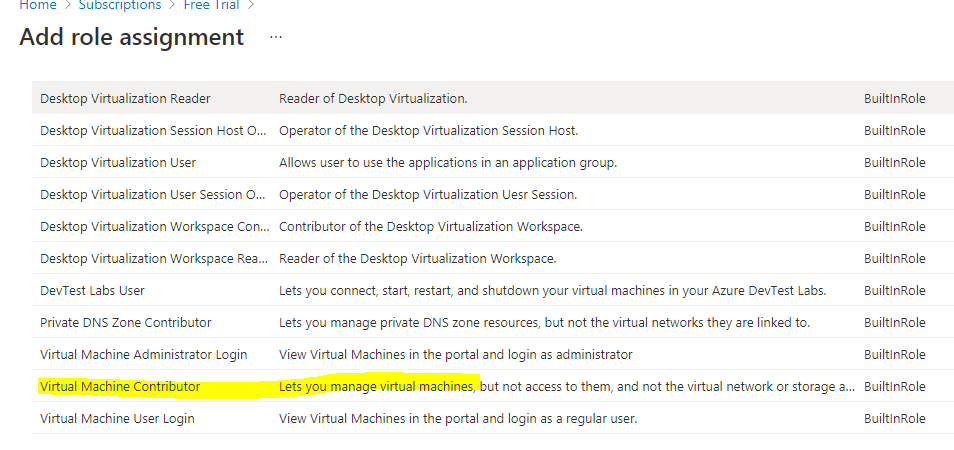


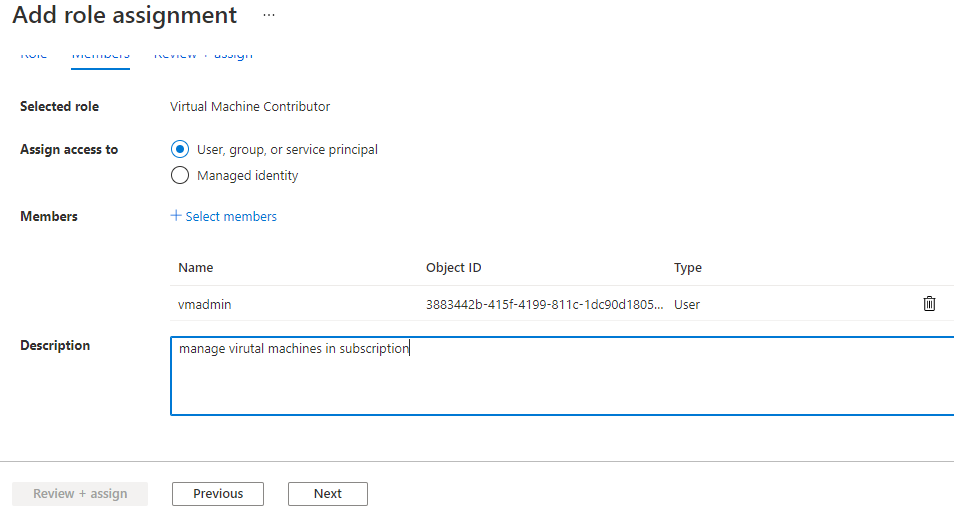


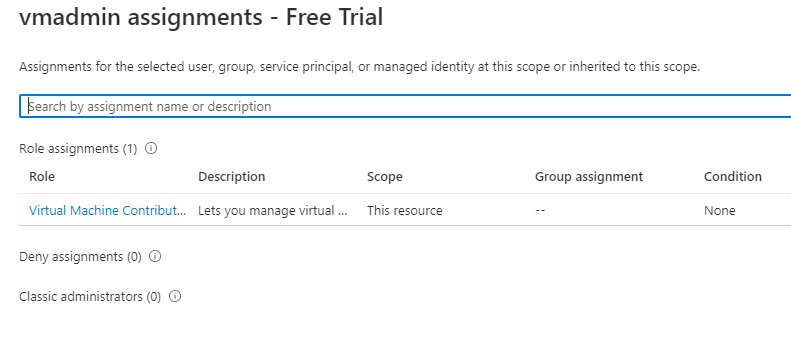
Now goto subscripitions and select subscription name free trail🡪IAM 🡪add role assignment🡪 selecr virtual machine contributor



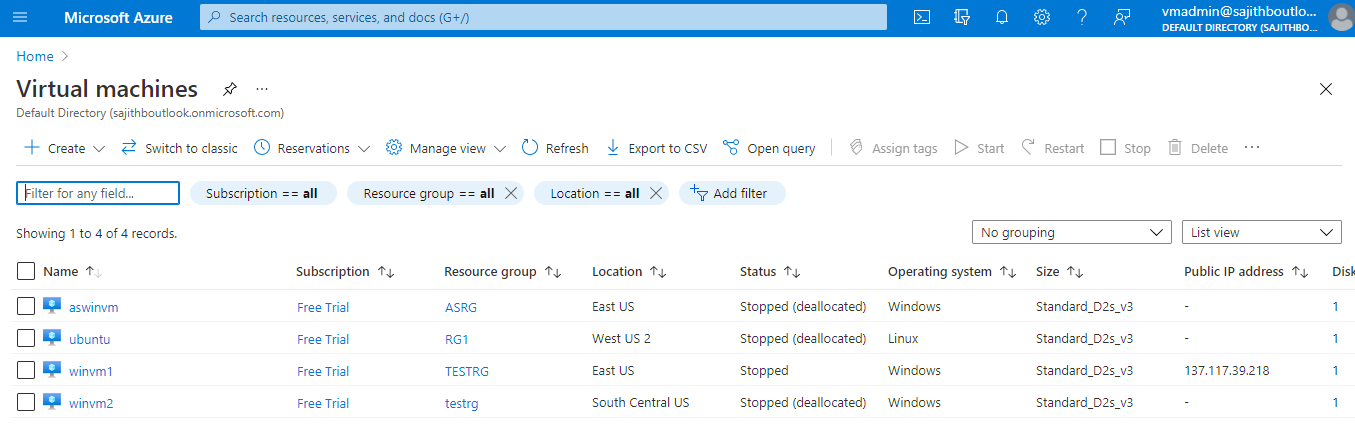




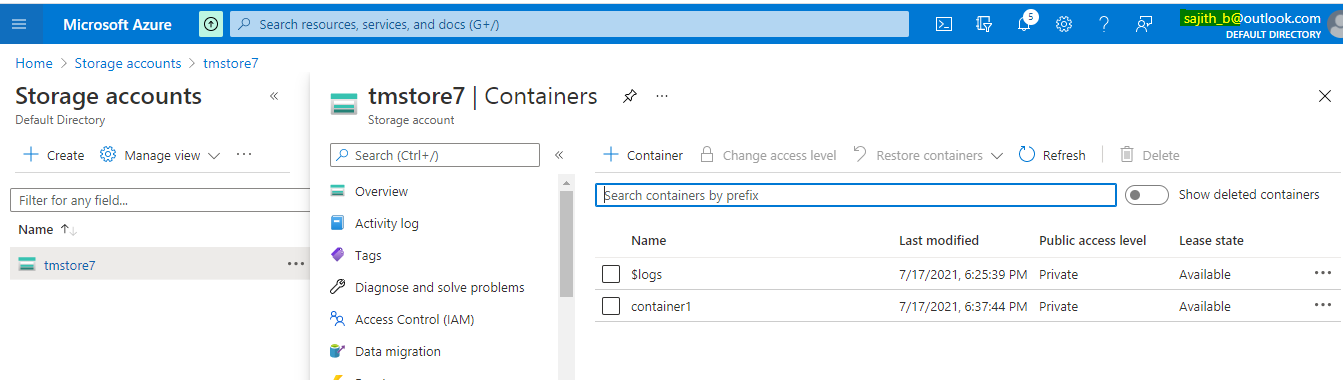




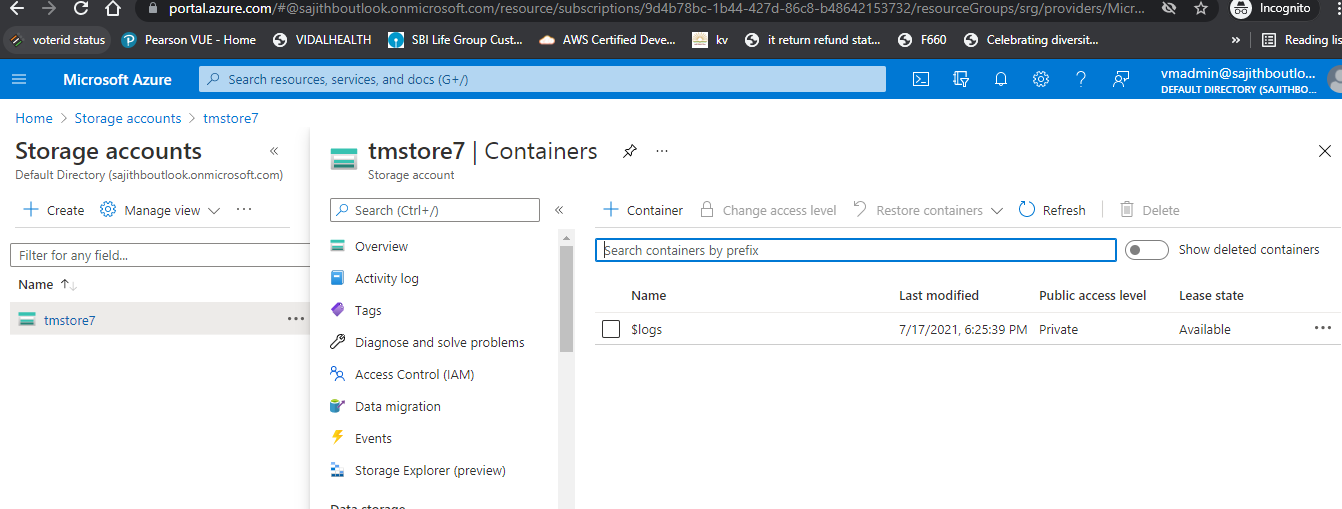
So vmadmin user access the vm but unable to see inside storage all components



My account

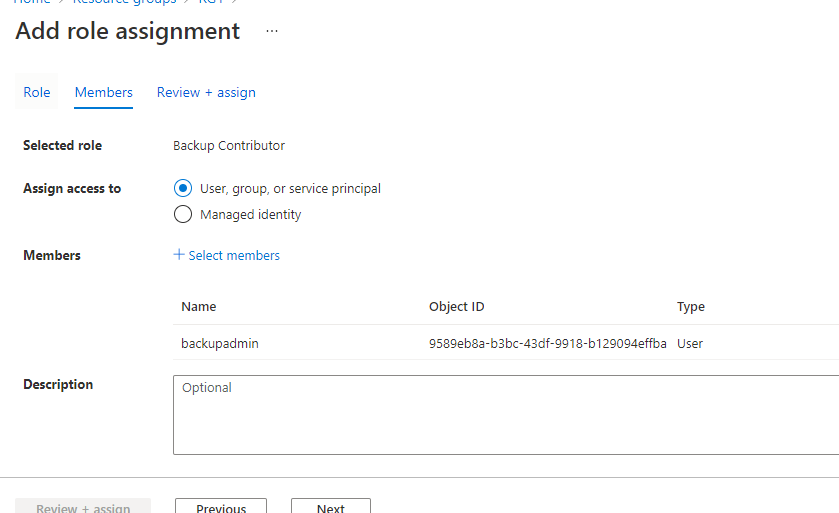


vmadmin

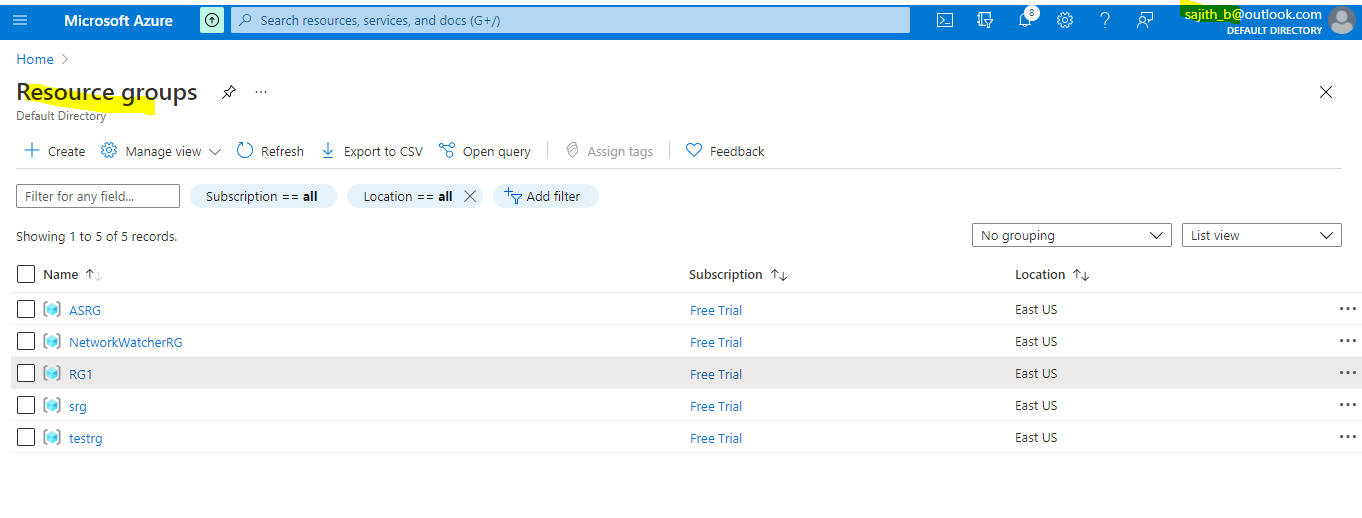


**9.Create Backup\_admin user who can manage backup only in EUS servers in EURG**

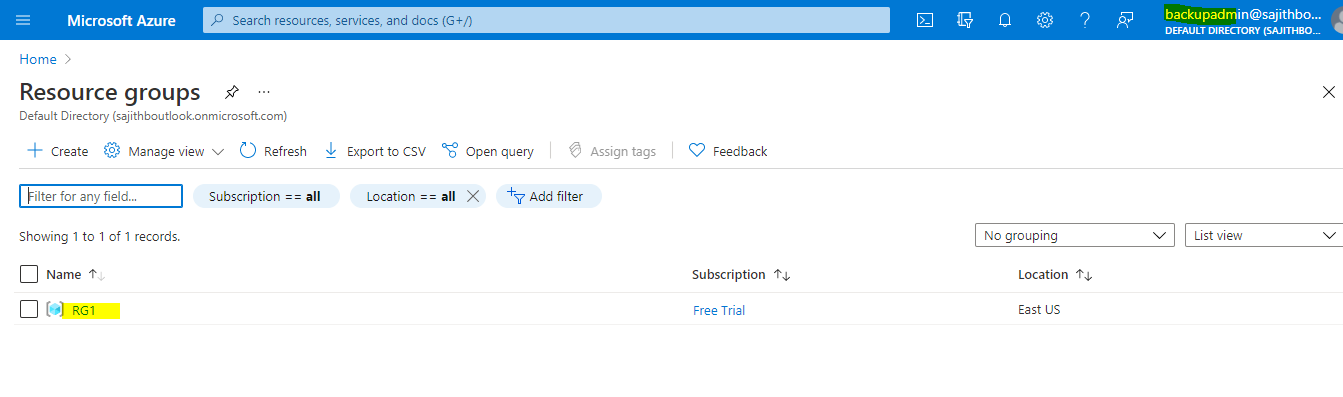
Created backup admin user account and selected EU resource group and assigned “backup contributor” role.



My account



Backup admin



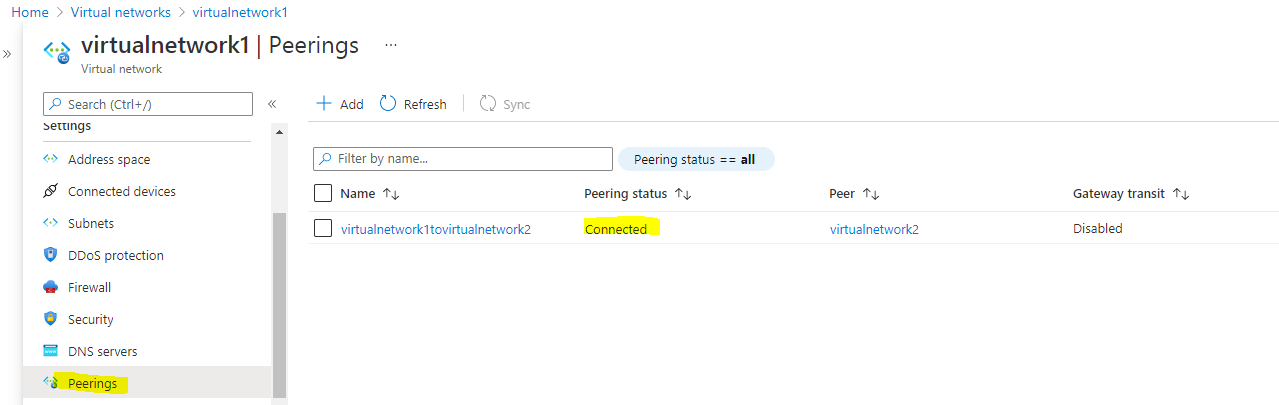
10. Created Vnet in SEA(10.5.0.0/16) and EUS regions(10.6.0.0/16)

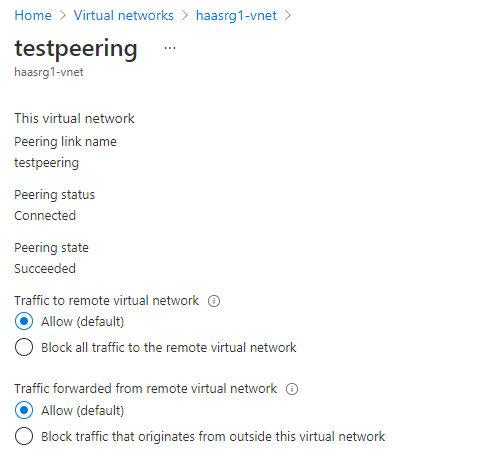
11. created NSG in SEA and EUS regions

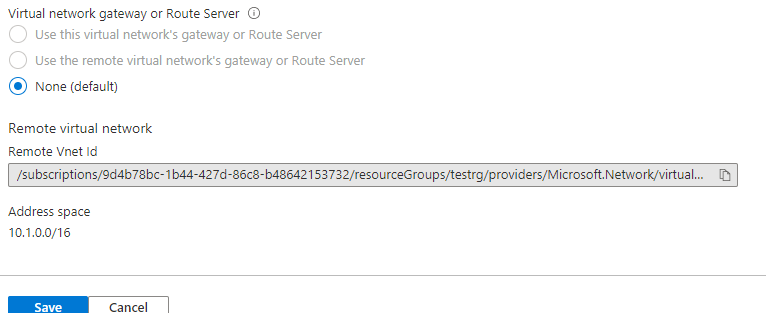
**12. Establish secure Connection to SEA-EUS Azure sites**

Created 2 virtual nets in SEA and EUS region

And peering one virtual network to other virtual network







Output:

