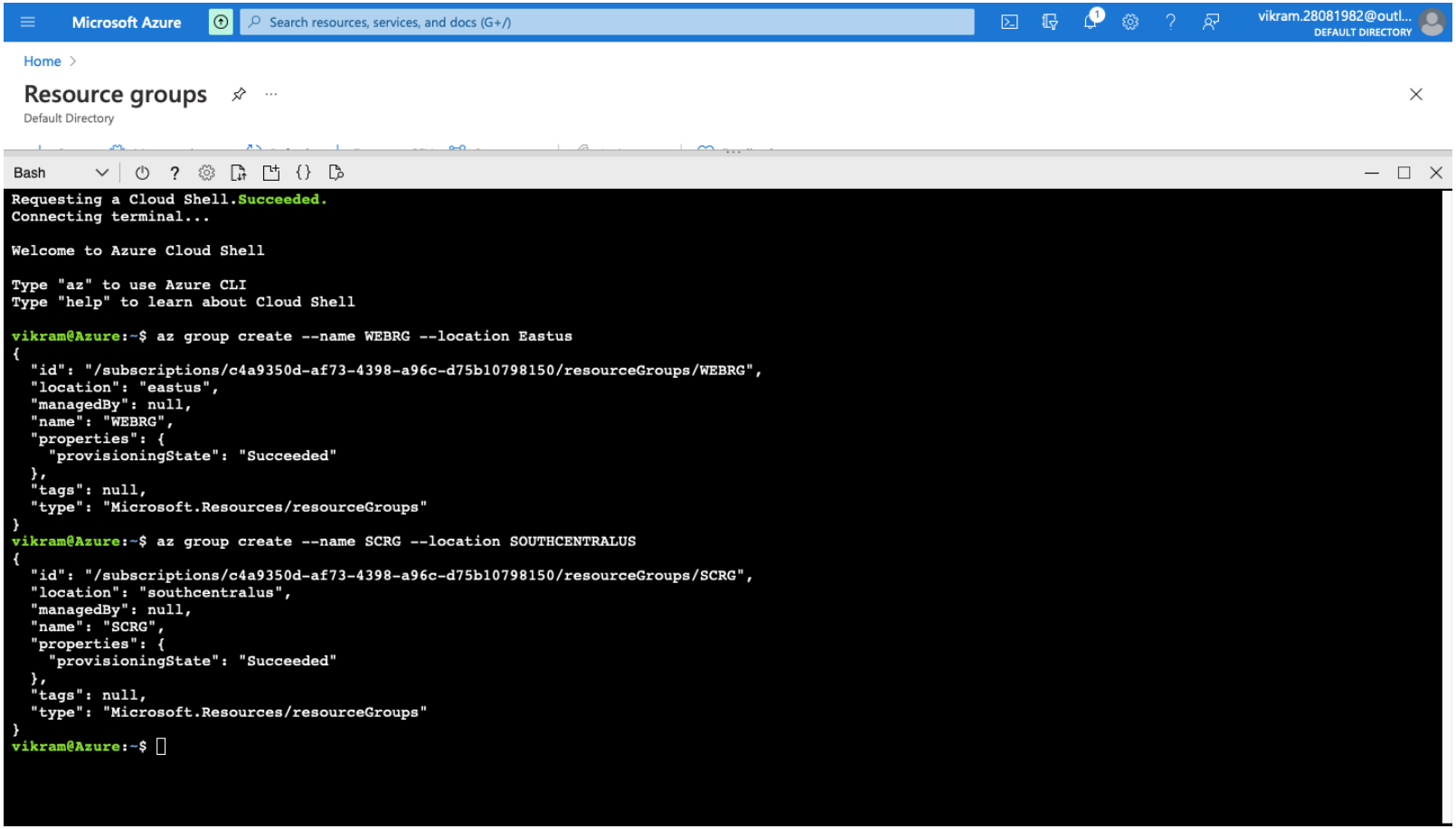
Azure Case study by Vikram

Step by steps tasks performed:

Task-1 : CREATE TWO rg”s using azure portal

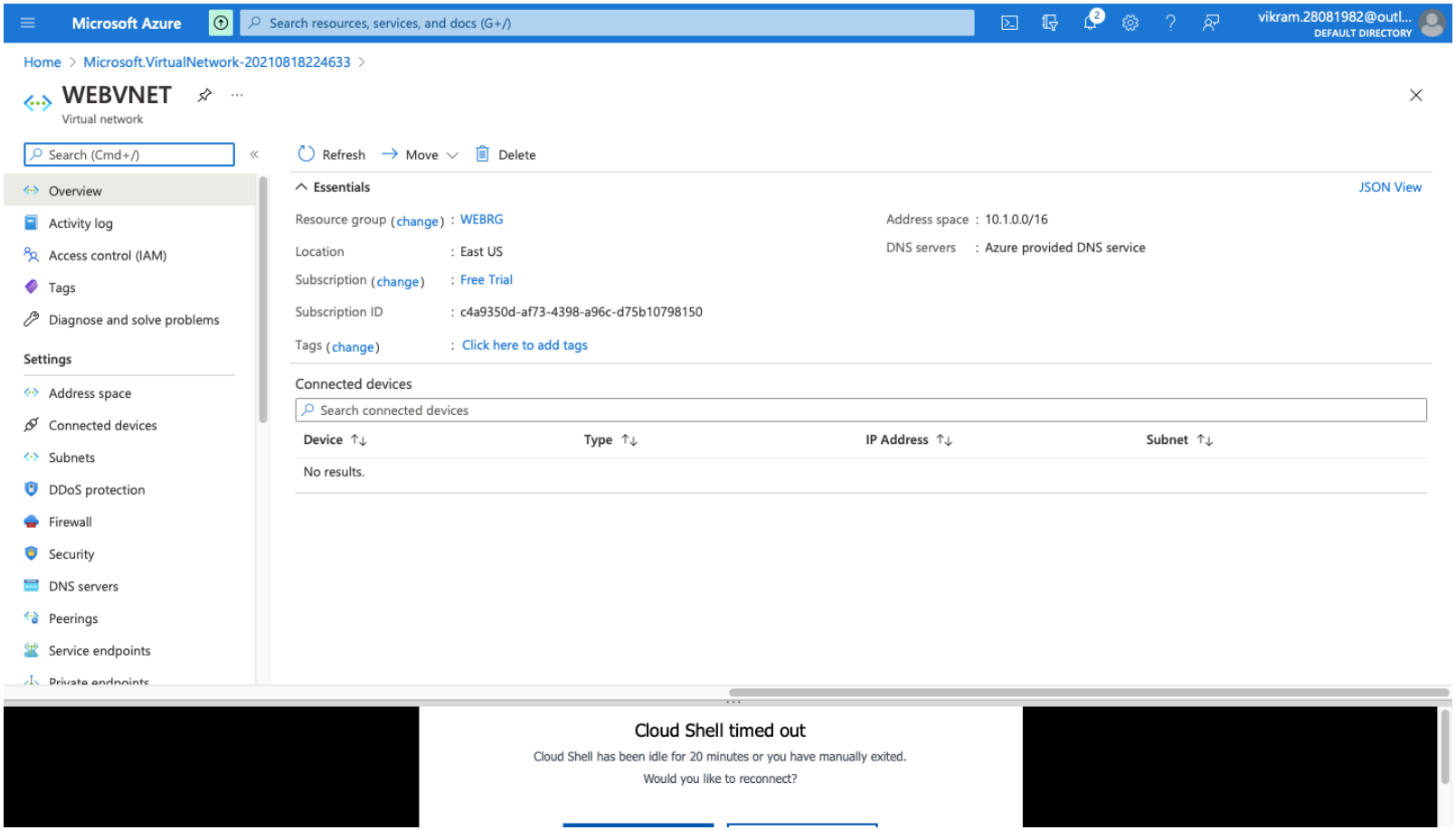
Solution: az group create --name WEBRG. --location Eastus

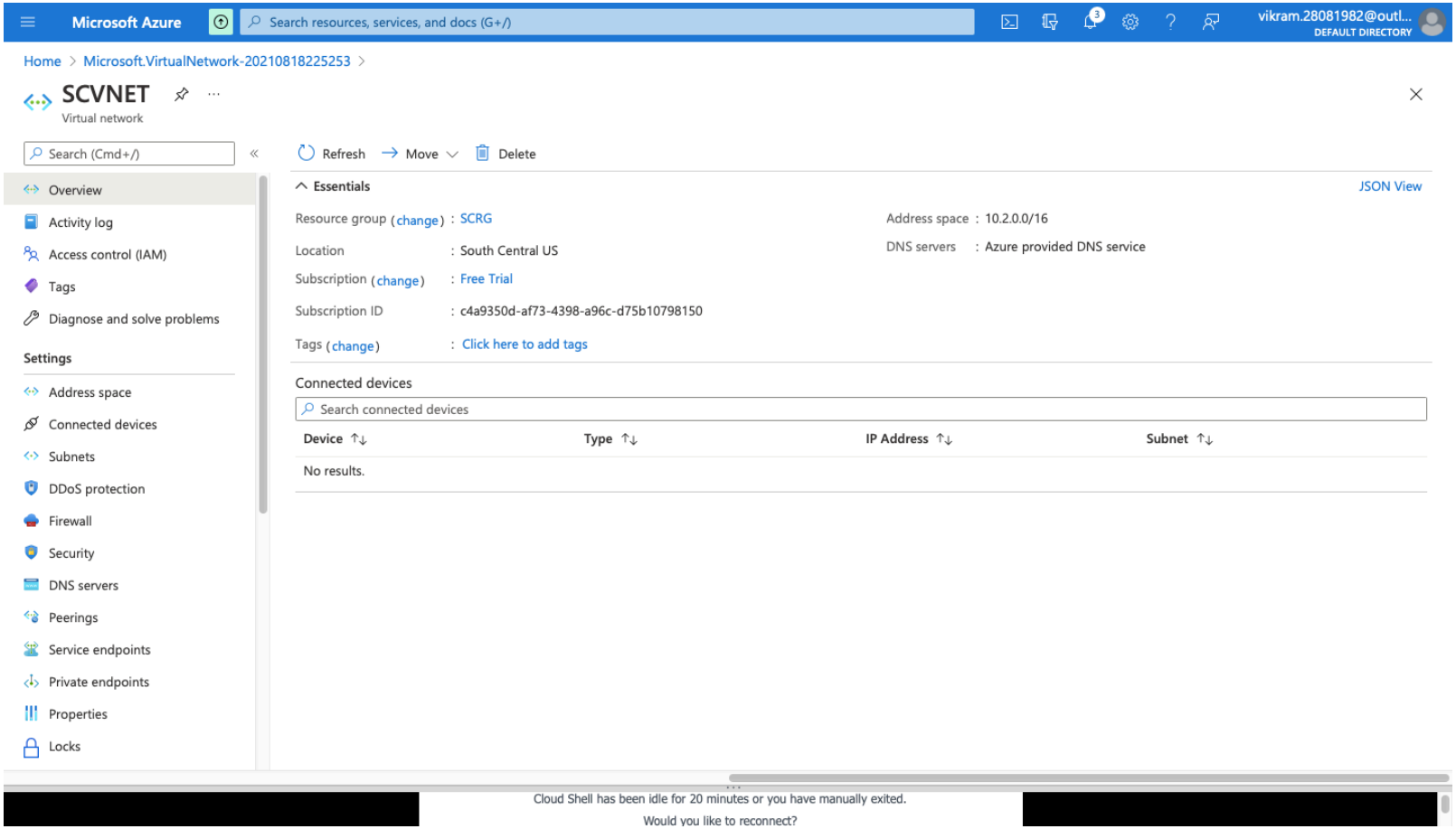
Snippet



Task-2: Creating two Virtual networks “ WEBVNET & SCVNET “ networks using Azure CLI

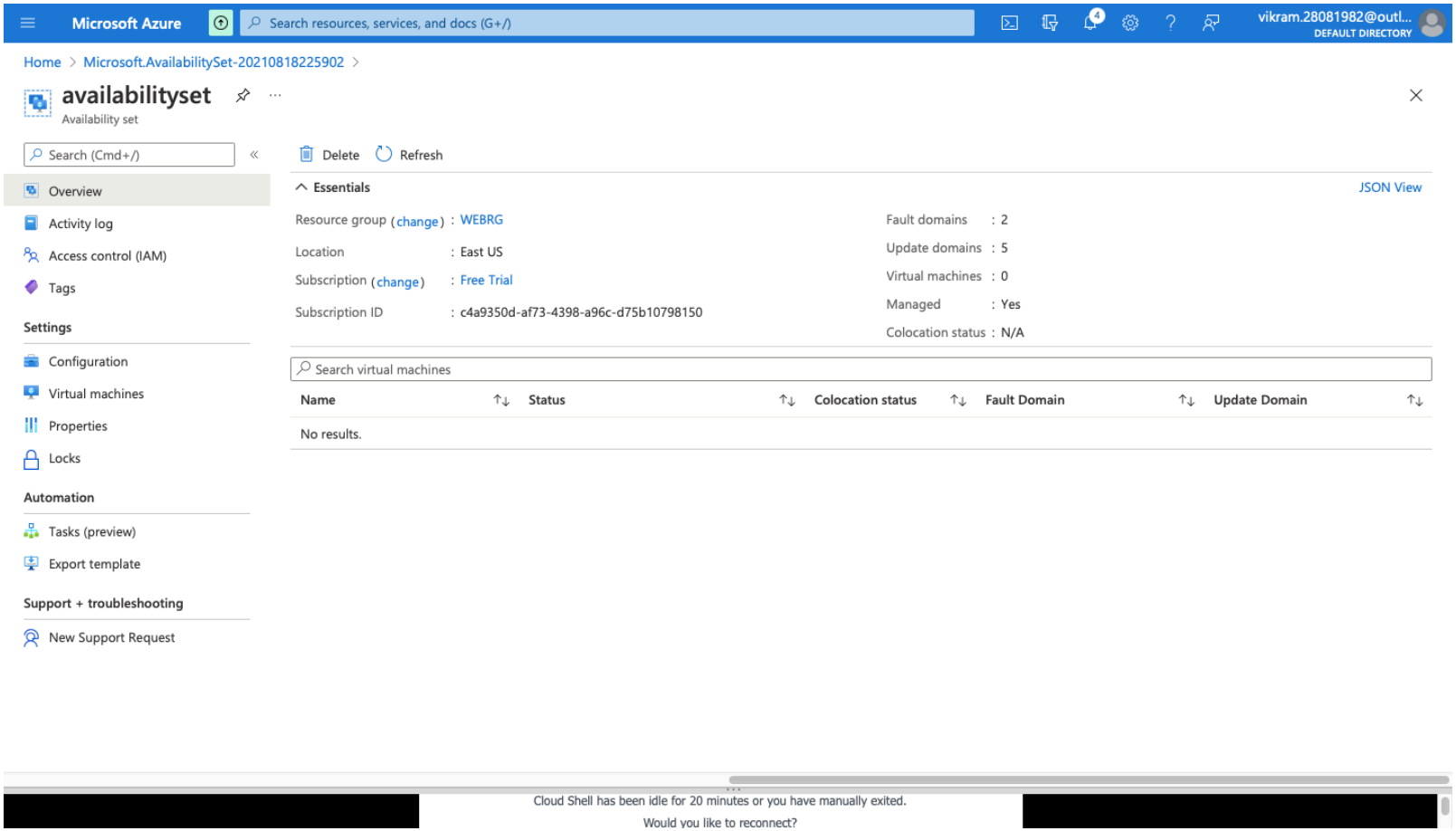
Solution: created two virtual networks webvnet and scvnet using portal




Microsoft Azure
Search resources, services, and docs (G+/)
vikram.28081982@outl...
DEFAULT DIRECTORY
Home > Microsoft.VirtualNetwork-20210818225253 >
SCVNET
Virtual network
Search (Cmd+/)
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Address space
Connected devices
Subnets
DDoS protection
Firewall
Security
DNS servers
Peerings
Service endpoints
Private endpoints
Properties
Locks
Refresh
Move
Delete
Essentials
JSON View
Resource group (change) : SCRG
Location : South Central US
Subscription (change) : Free Trial
Subscription ID : c4a9350d-af73-4398-a96c-d75b10798150
Tags (change) : Click here to add tags
Address space : 10.2.0.0/16
DNS servers : Azure provided DNS service
Connected devices
Search connected devices
Device
Type
IP Address
Subnet
No results.
Cloud Shell has been idle for 20 minutes or you have manually exited.
Would you like to reconnect?

TASK-3 : creating AVAILAIBILTY SET :

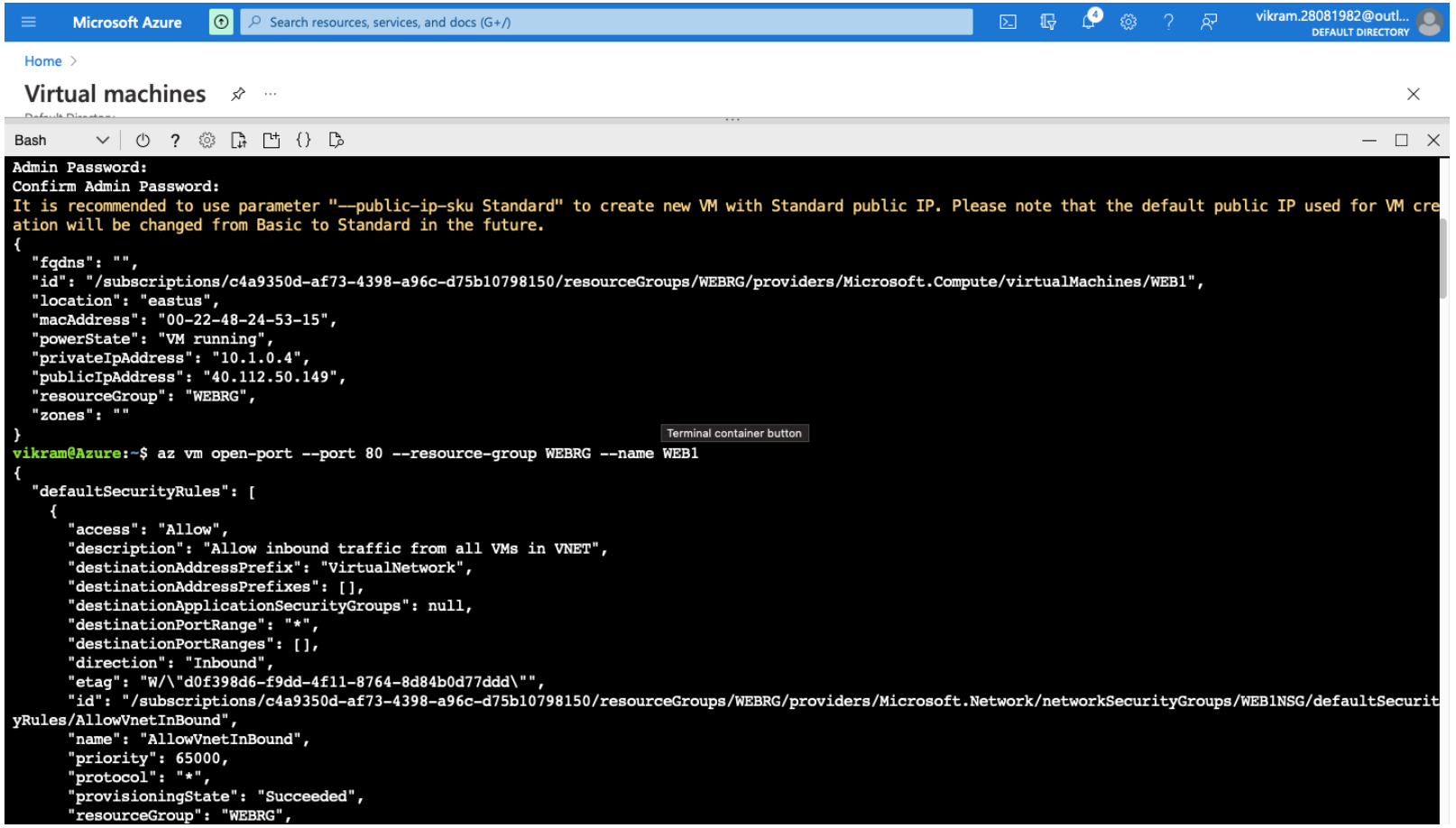
SOLUTION: Using PORTAL created availibity set



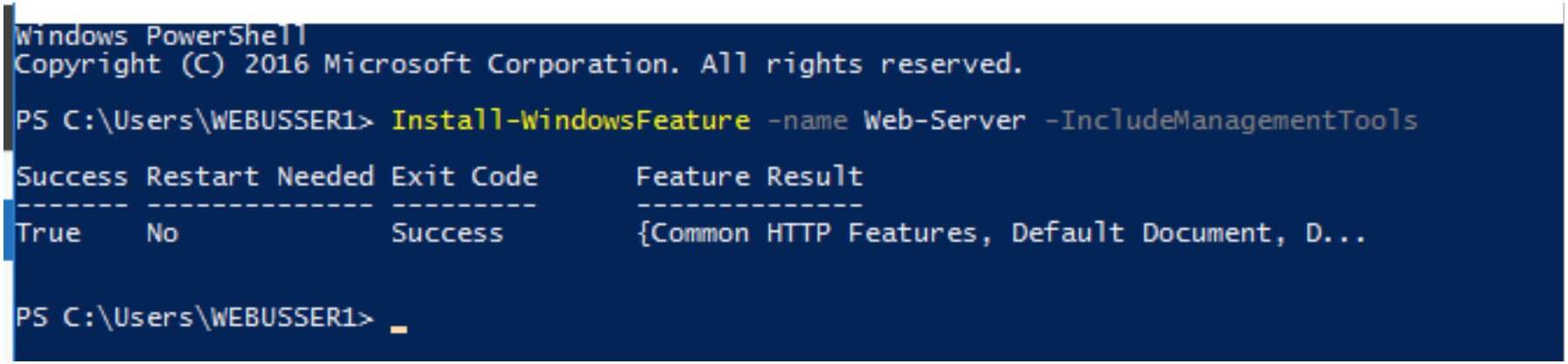
Task-4: Create two windows web servers in webrg using azure cli .

solution: az vm create --resource-group WEBRG --name WEB1 --image win2016datacenter --admin-username WEBUSSER1
az vm create --resource-group WEBRG --name WEB2 --image win2016datacenter --admin-username WEBUSER2

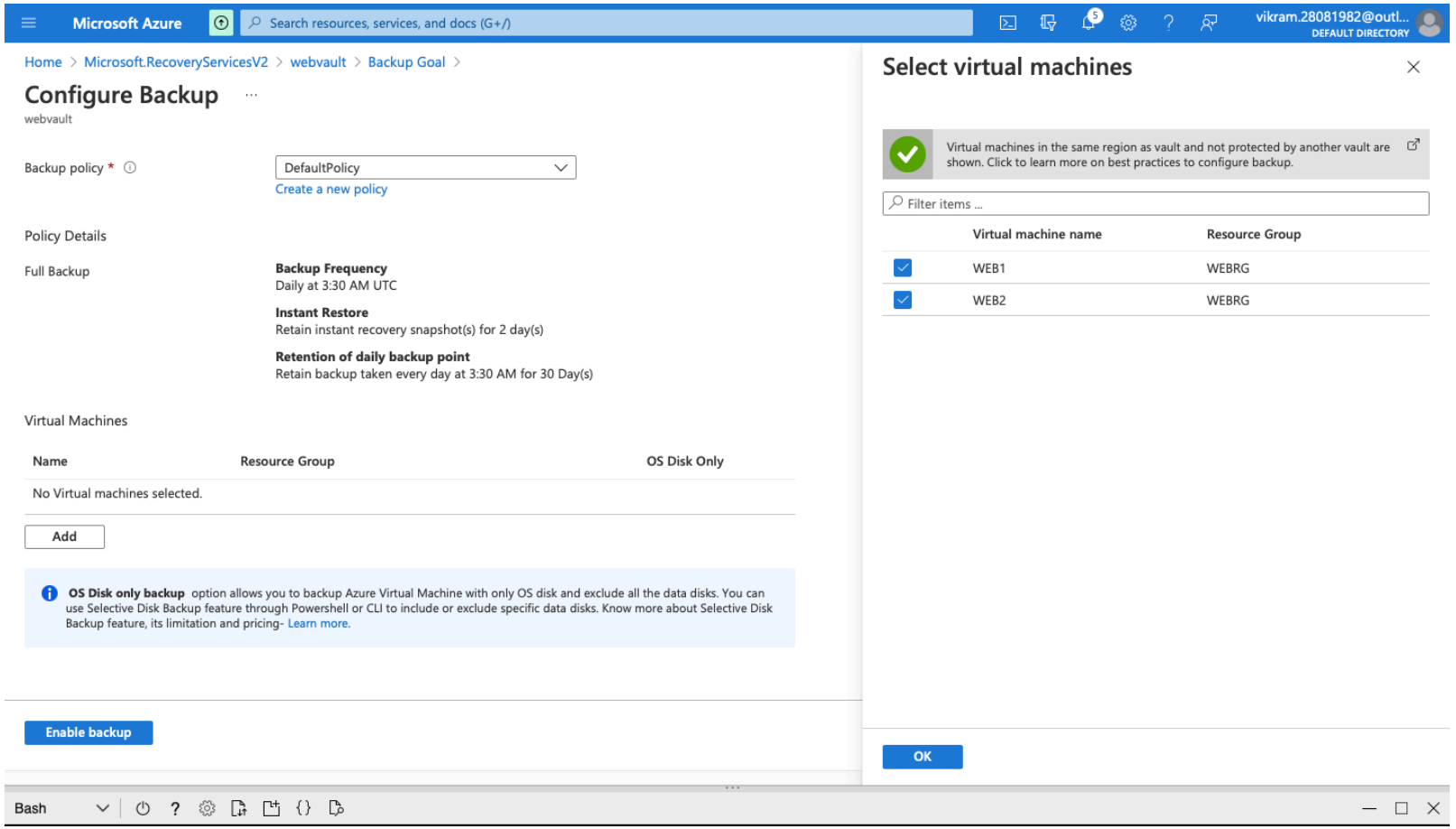
To open port : az vm open-port --port 80 --resource-group WEBRG --name WEB2



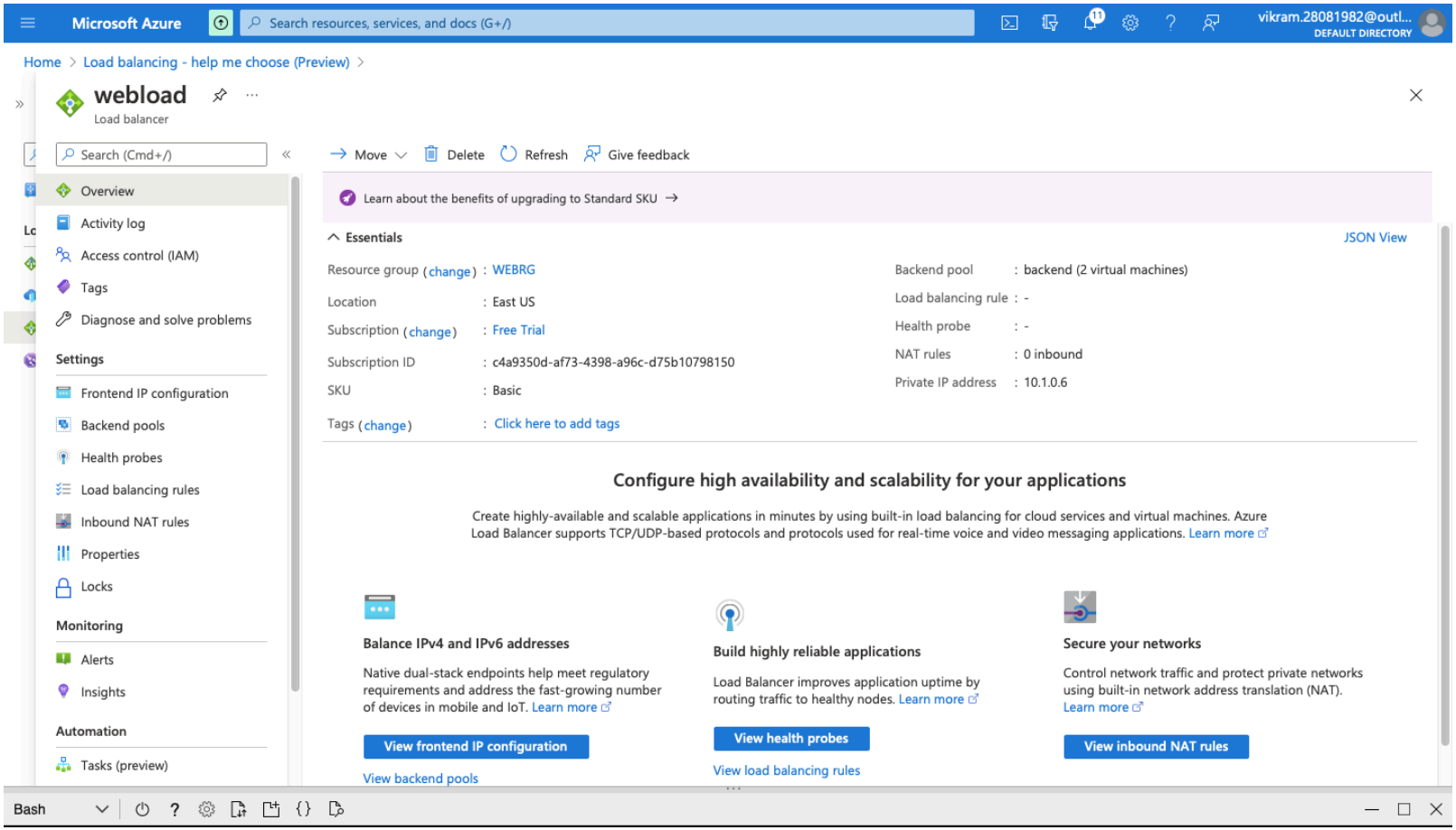
Installing IIS:



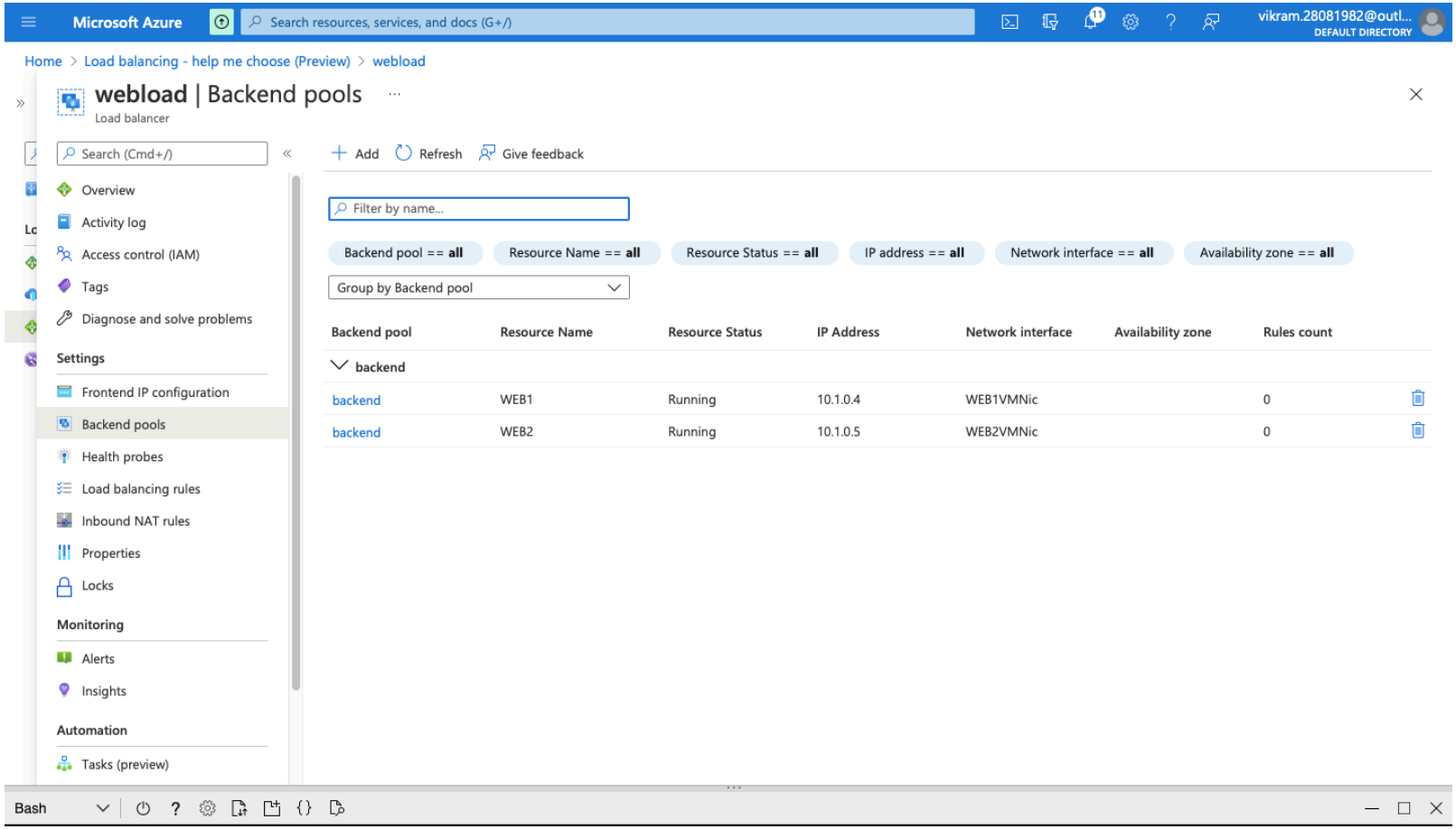
Task:5 :Created Backup for WEBServers:
solution: from recovery service vault added servers to backup:



Task-6: Create LOAD BALANCER for web servers
Solution:

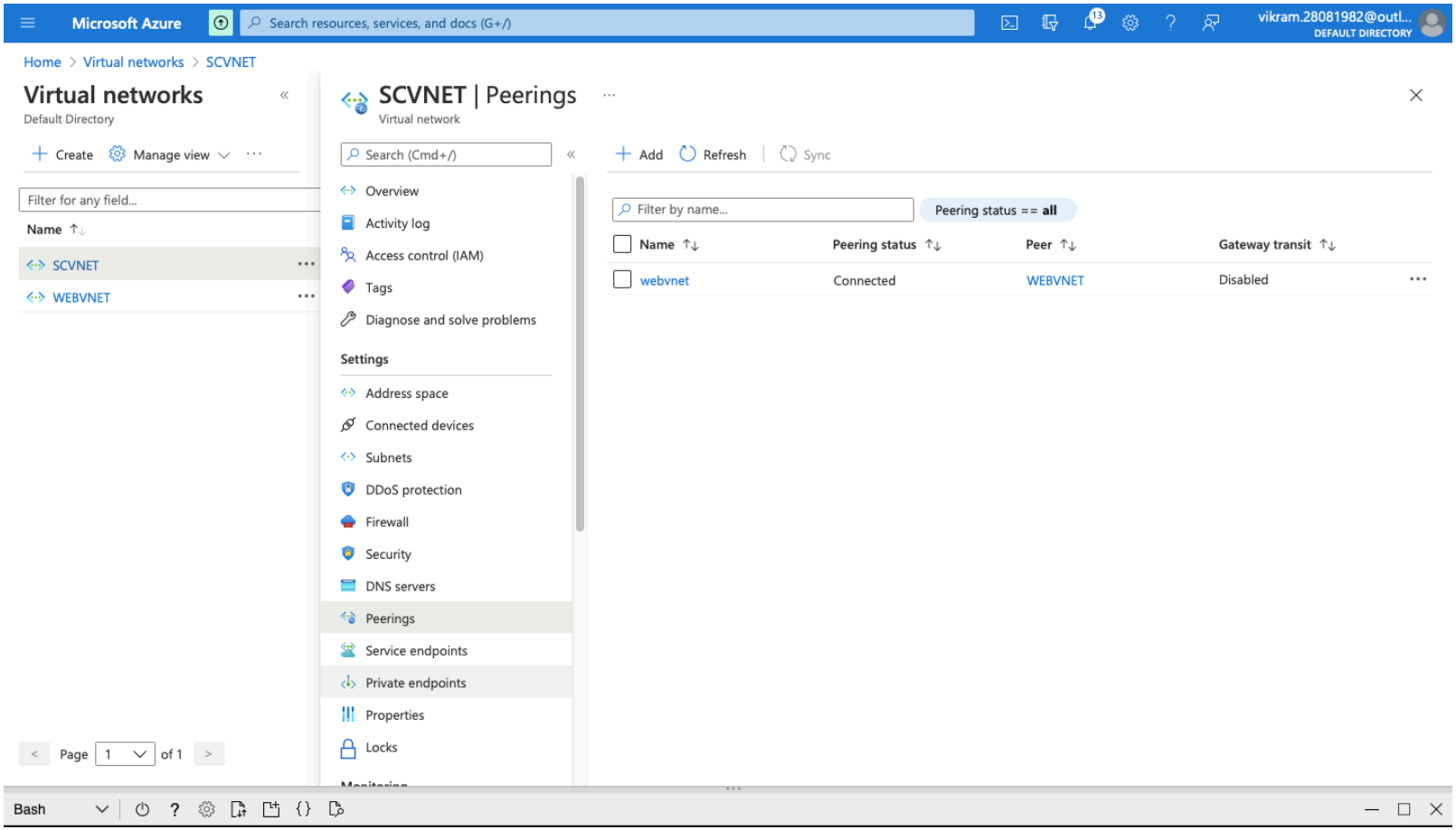


Backend Pools:



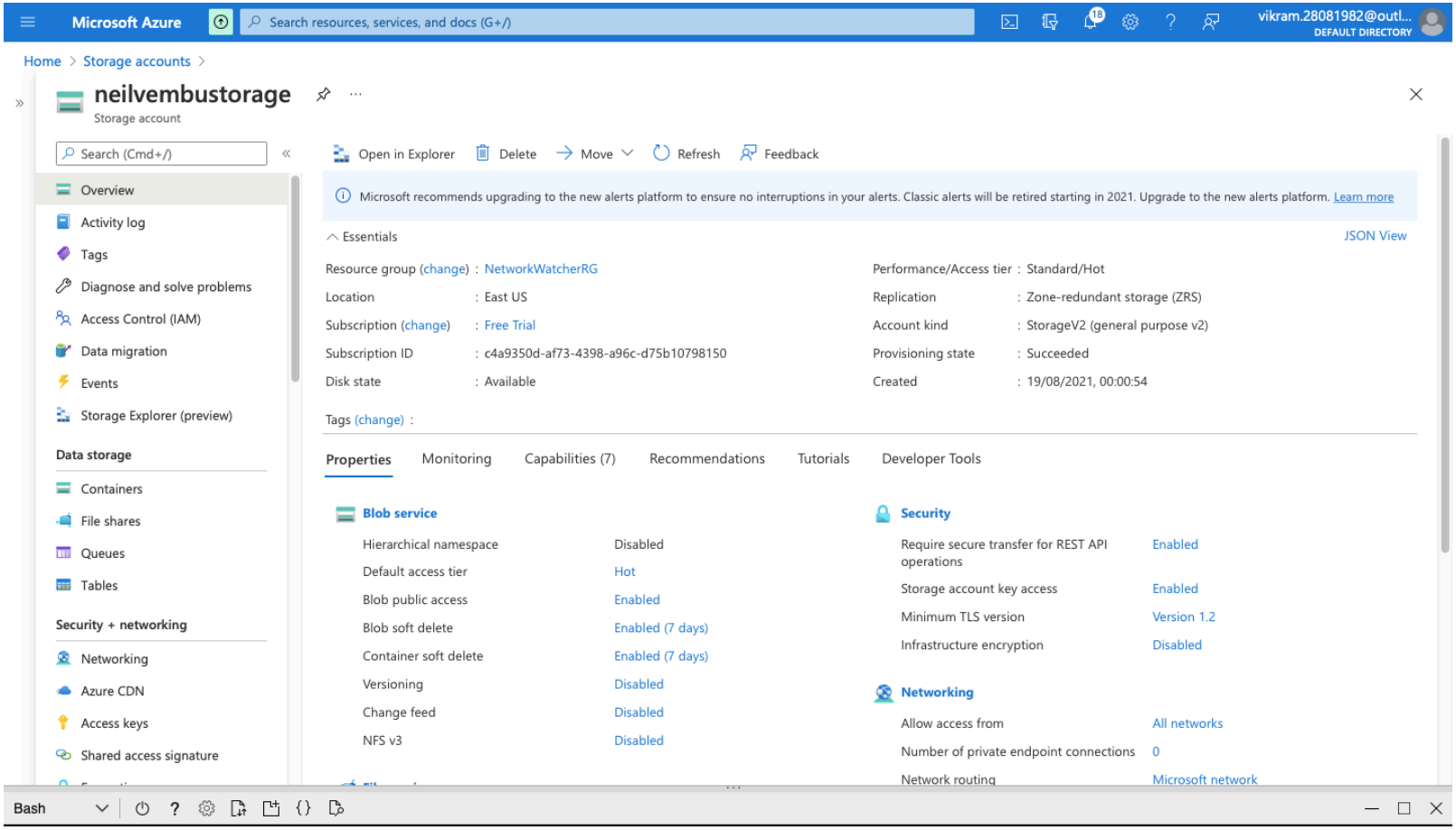
Task-7: VNet peering to connect between two regions:

Solution:

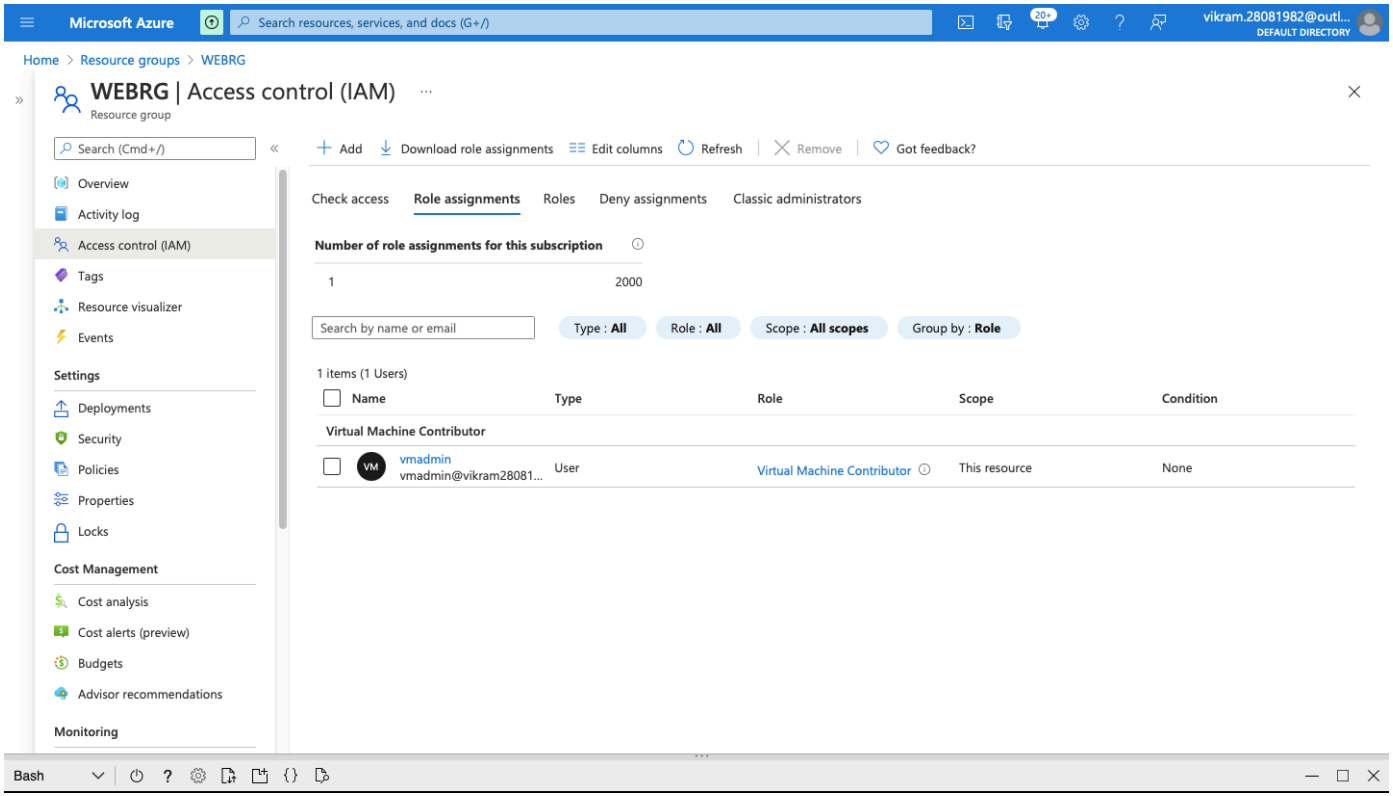


Task:8: Creating storage account

Solution:



TASK-9: Create Users Backup_Admin and Vmadmin
solution:
Created. Users in AD and roles at subscription level for VM admin and RG level for backup admin to meet the condition



Task-10: Storage should be available to all applications using URL with secure access.

Solution: