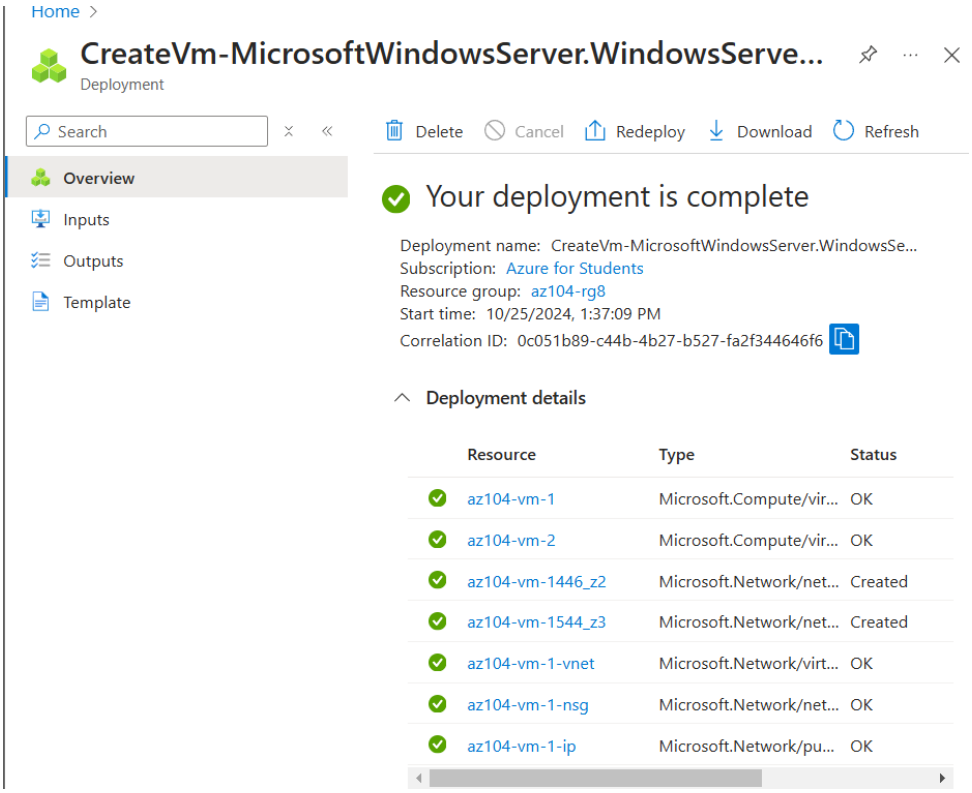
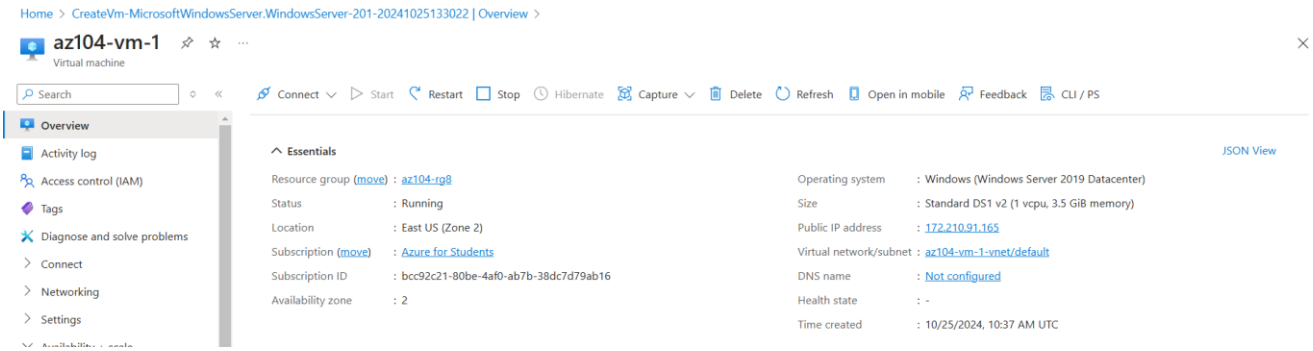
Lab 08 - Manage Virtual Machines

Task 1: Deploy zone-resilient Azure virtual machines by using the Azure portal

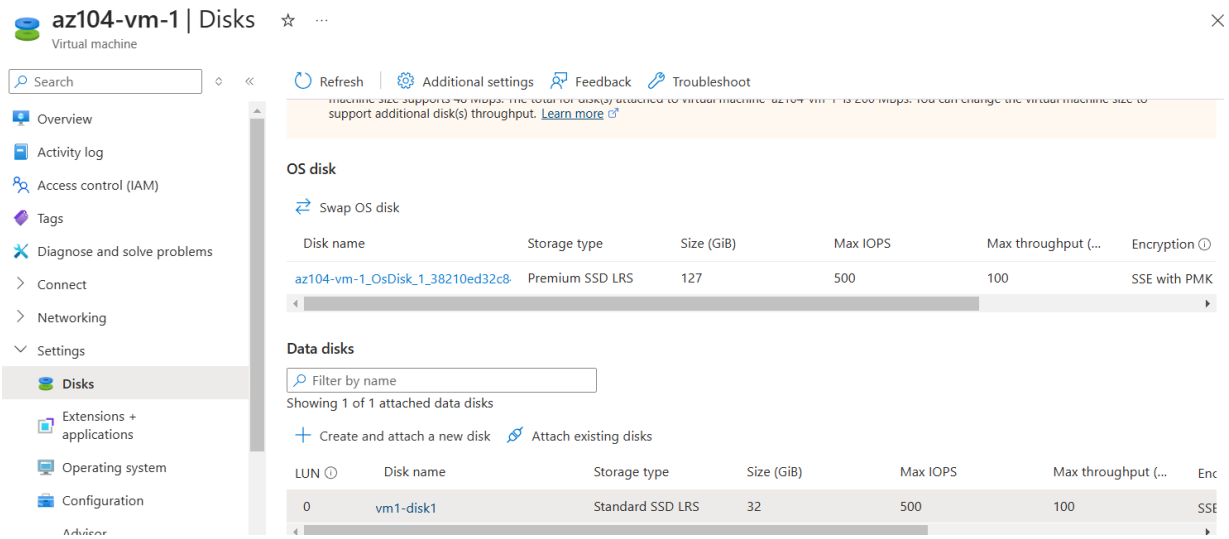


Task 2: Manage compute and storage scaling for virtual machines.

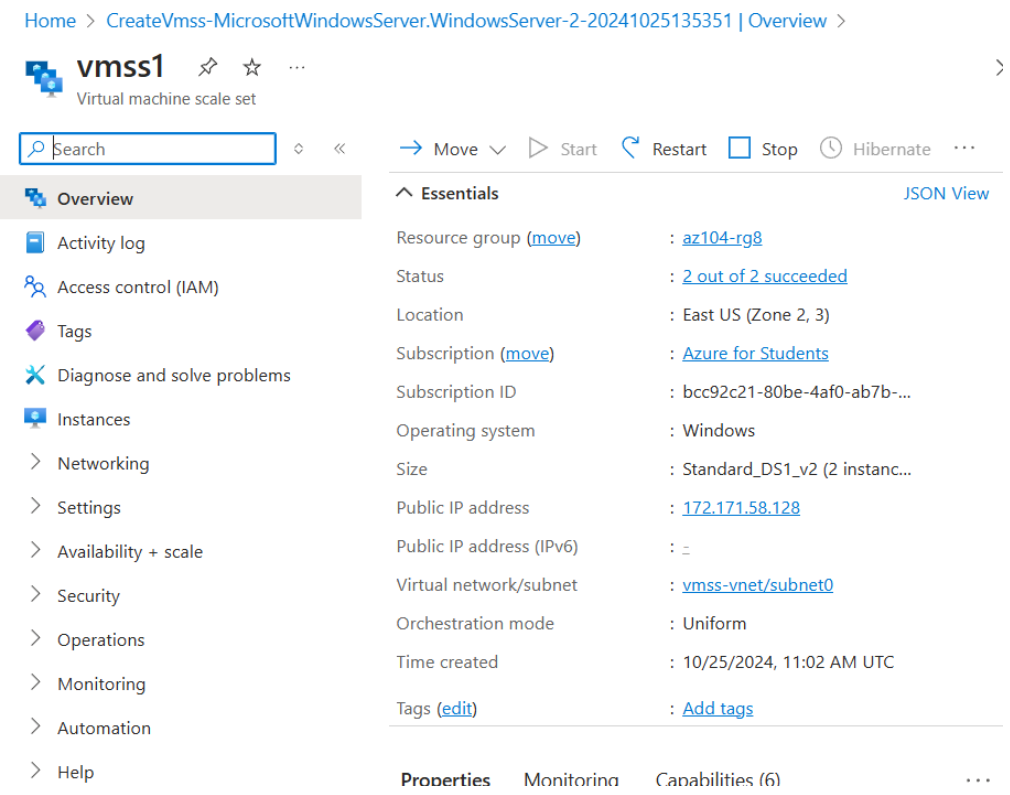
Resize vm1 to DS1_v2 from B1s(Free Teer).



Attach new disk.

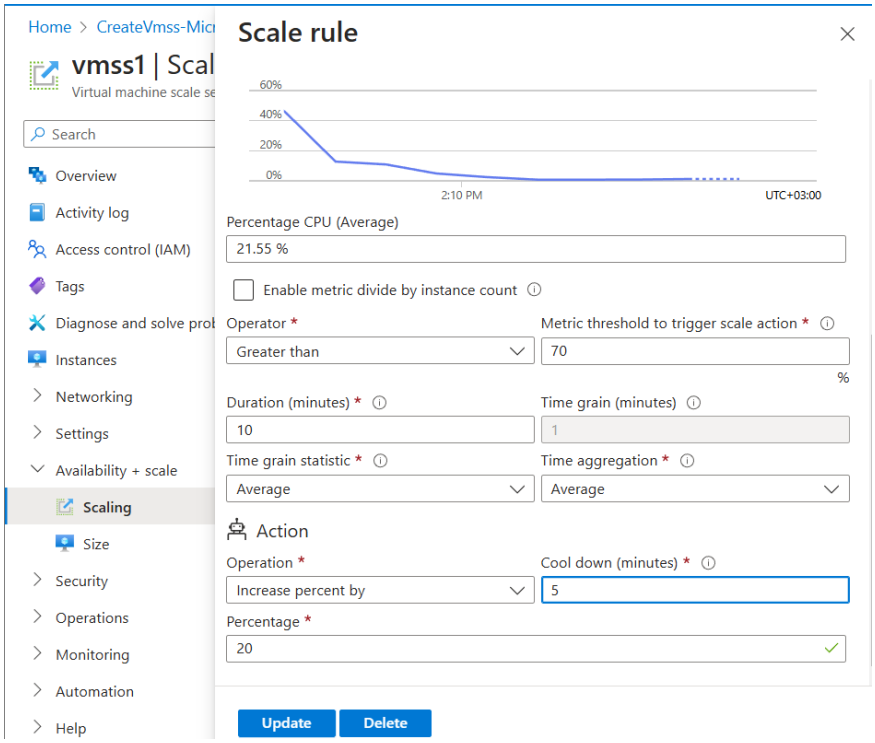


Task 3: Create and configure Azure Virtual Machine Scale Sets.

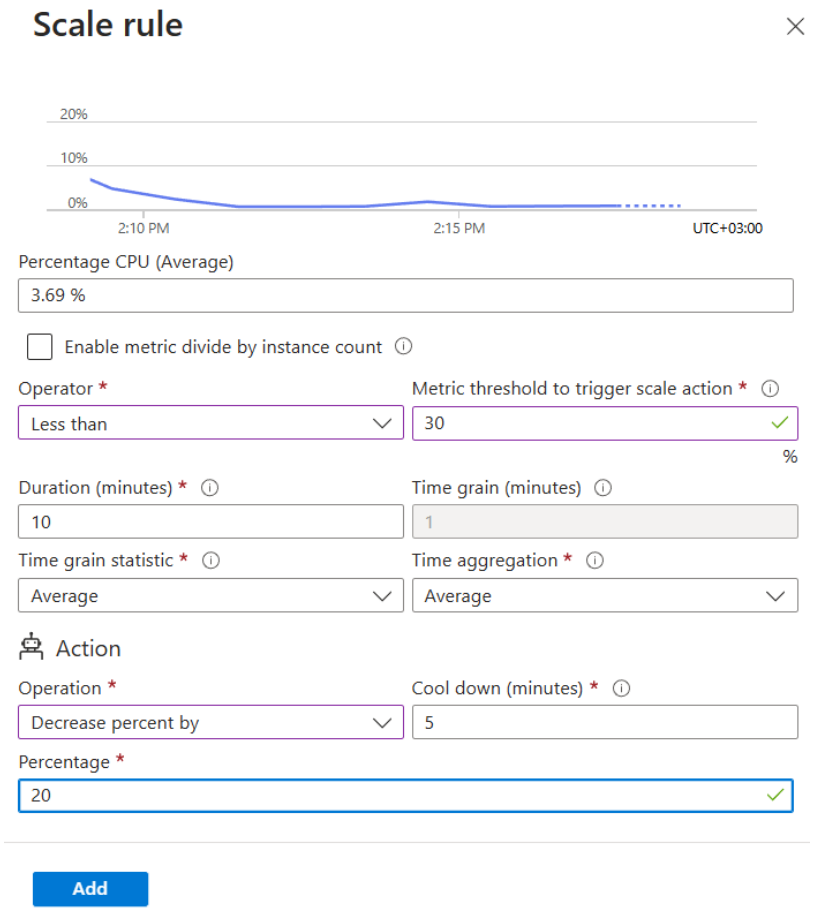


Task 4: Scale Azure Virtual Machine Scale Sets.

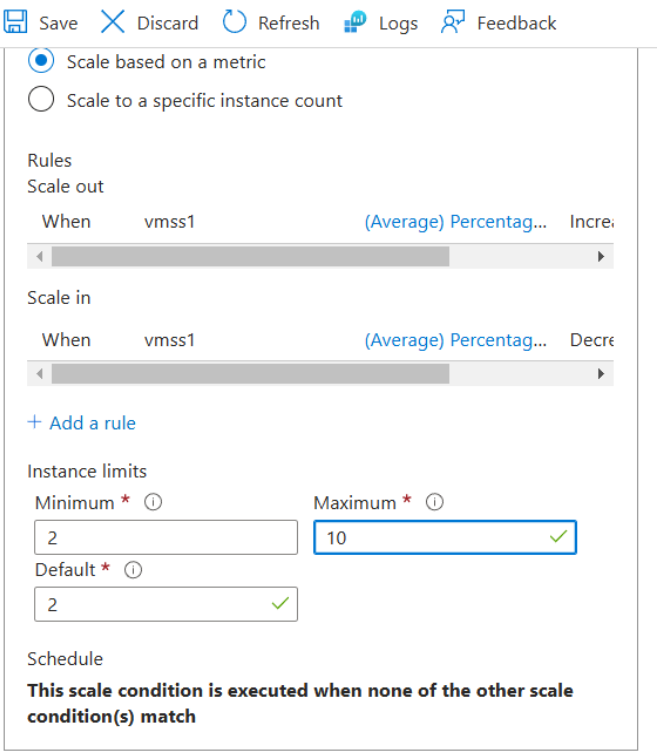
Scale out rule



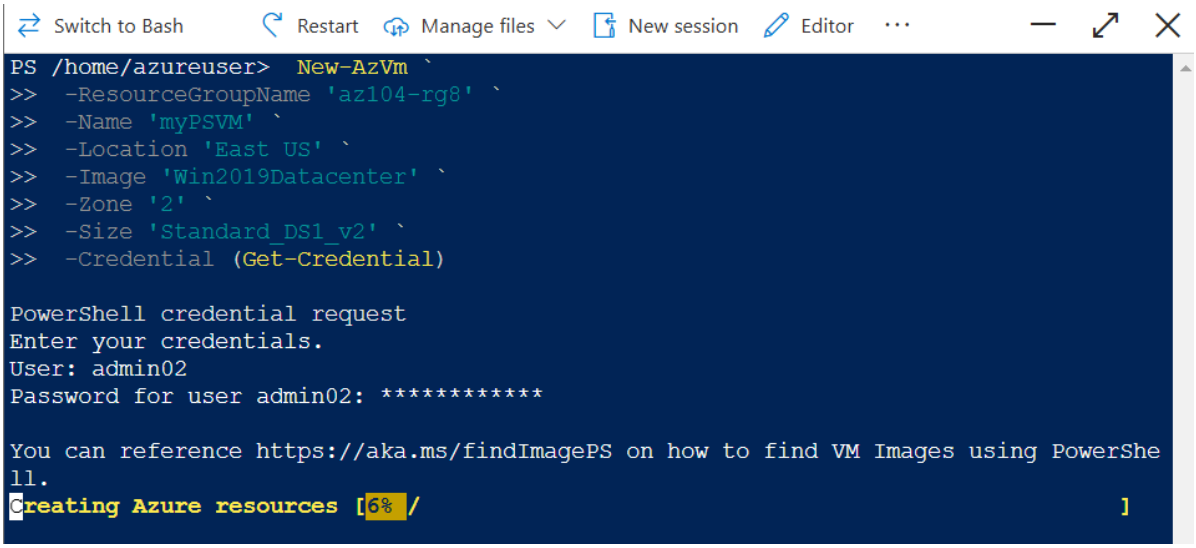
Scale in rule



Set the instance limits



Task 5: Create a virtual machine using Azure PowerShell (option 1).

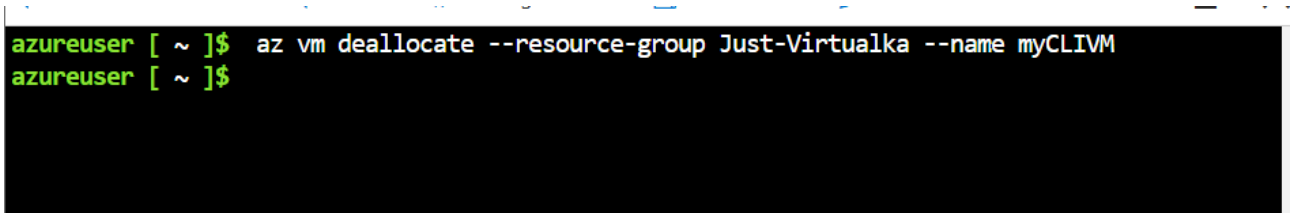


```
PS /home/azureuser>  Get-AzVM `
>>  -ResourceGroupName 'az104-rg8' `
>>  -Status

ResourceGroupName       Name Location          VmSize  OsType              NIC Prov
                                                                             isio
                                                                             ning
-----------------       ---- --------          ------  ------              --- ----
az104-rg8         az104-vm-1   eastus Standard_DS1_v2 Windows az104-vm-1446_z2 …ded
az104-rg8         az104-vm-2   eastus    Standard_B1s Windows az104-vm-1544_z3 …ded
az104-rg8             myPSVM   eastus Standard_DS1_v2 Windows           myPSVM …ded

PS /home/azureuser>
```

Task 6: Create a virtual machine using the CLI (option 2).

```
azureuser [ ~ ]$ az vm create --name myCLIVM --resource-group Just-Virtualka --location eastu
s --image Ubuntu2204 --size Standard_B1s --admin-username localadmin --generate-ssh-keys
{
  "fqdns": "",
  "id": "/subscriptions/bcc92c21-80be-4af0-ab7b-38dc7d79ab16/resourceGroups/Just-Virtualka/pr
oviders/Microsoft.Compute/virtualMachines/myCLIVM",
  "location": "eastus",
  "macAddress": "7C-1E-52-45-F0-69",
  "powerState": "VM running",
  "privateIpAddress": "10.0.0.4",
  "publicIpAddress": "52.149.181.204",
  "resourceGroup": "Just-Virtualka",
  "zones": ""
}
azureuser [ ~ ]$
```

```
azureuser [ ~ ]$  az vm show --name  myCLIVM --resource-group Just-Virtualka --show-details
{
  "additionalCapabilities": null,
  "applicationProfile": null,
  "availabilitySet": null,
  "billingProfile": null,
  "capacityReservation": null,
  "diagnosticsProfile": null,
  "etag": "\"1\"",
  "evictionPolicy": null,
  "extendedLocation": null,
  "extensionsTimeBudget": null,
  "fqdns": "",
  "hardwareProfile": {
    "vmSize": "Standard_B1s",
    "vmSizeProperties": null
  },
  "host": null,
  "hostGroup": null,
  "id": "/subscriptions/bcc92c21-80be-4af0-ab7b-38dc7d79ab16/resourceGroups/Just-Virtualka/pr
oviders/Microsoft.Compute/virtualMachines/myCLIVM",
  "identity": null,
  "licenseType": null,
  "location": "eastus",
  "macAddresses": "7C-1E-52-45-F0-69",
  "managedBy": null,
  "name": "myCLIVM",
  "networkProfile": {
    "networkApiVersion": null,
    "networkInterfaceConfigurations": null,
    "networkInterfaces": [
```


azureuser [~]$ az vm deallocate --resource-group Just-Virtualka --name myCLIVM
azureuser [~]$