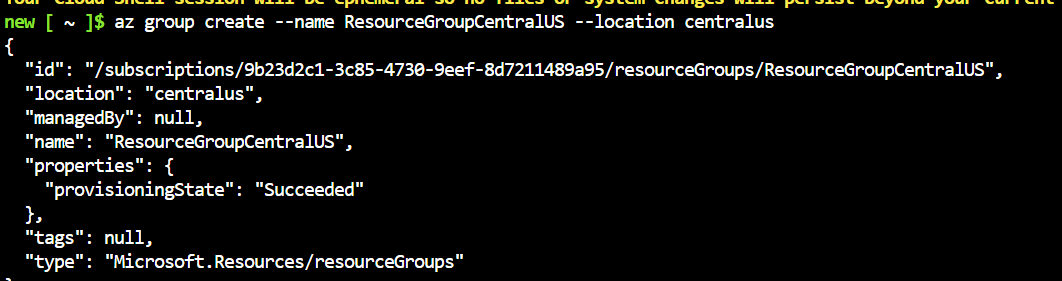
**Step-by-Step Solution for Azure Deployment**

**1. Create Resource Groups**

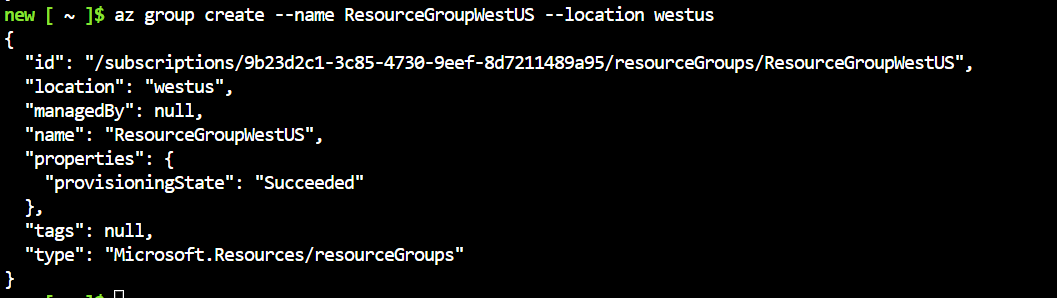
* Create two resource groups for the two regions:
  + **Central US**: ResourceGroupCentralUS
  + **West US**: ResourceGroupWestUS

# Using Azure CLI

**az group create --name ResourceGroupCentralUS --location centralus**

****

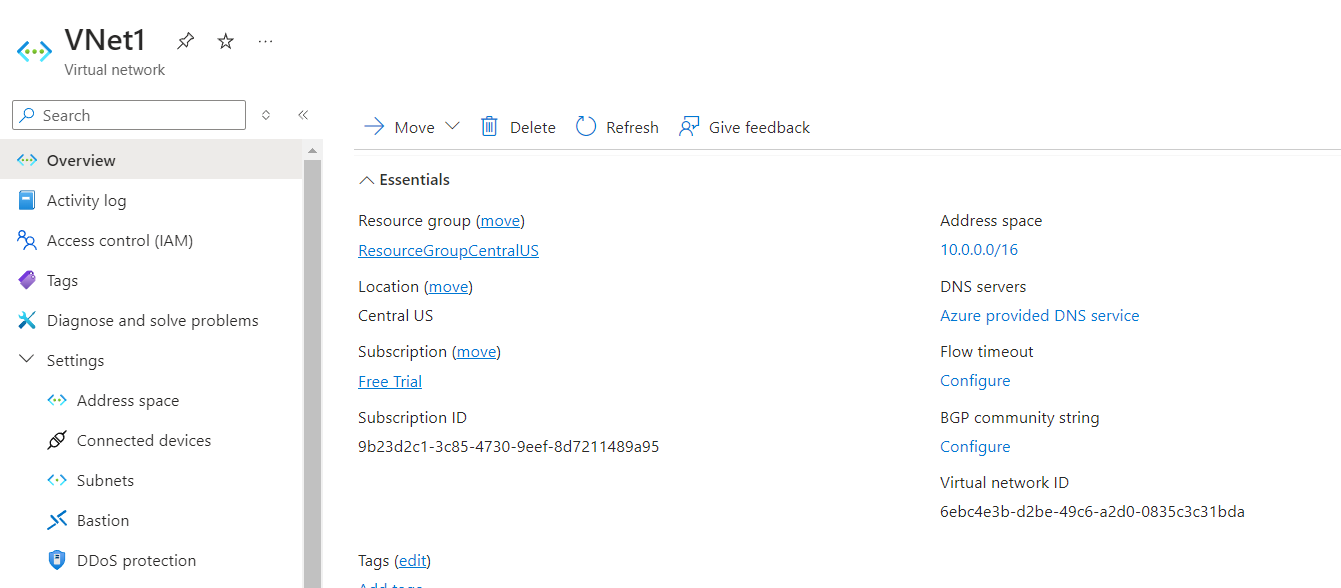
**az group create --name ResourceGroupWestUS --location westus**



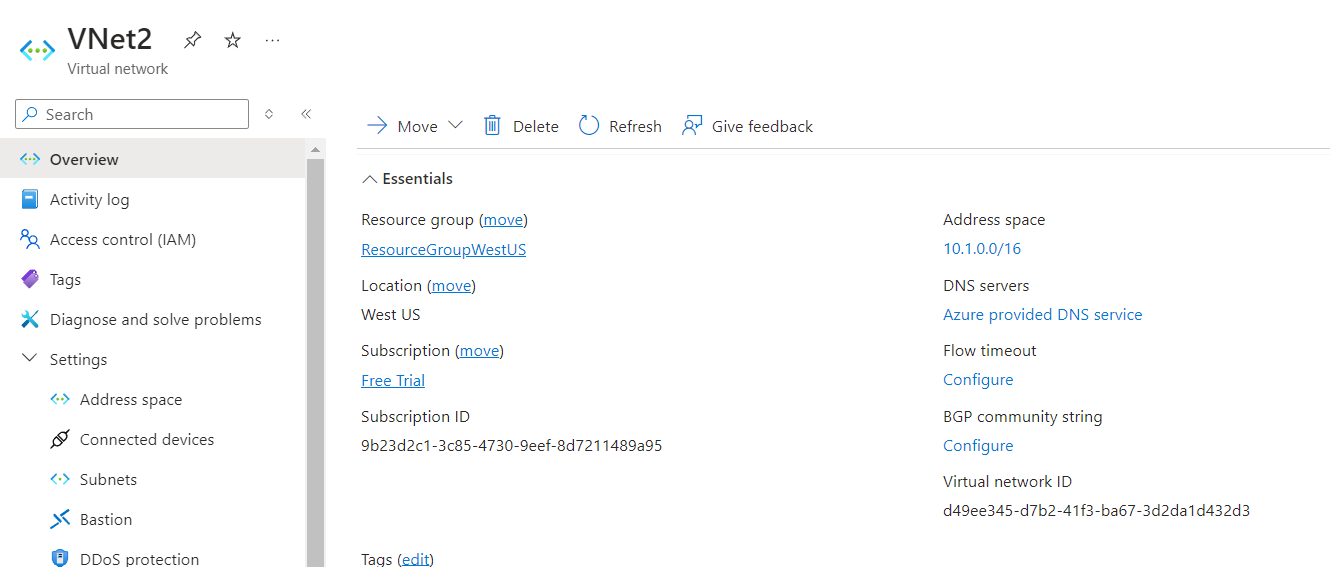
**2. Create Virtual Networks**

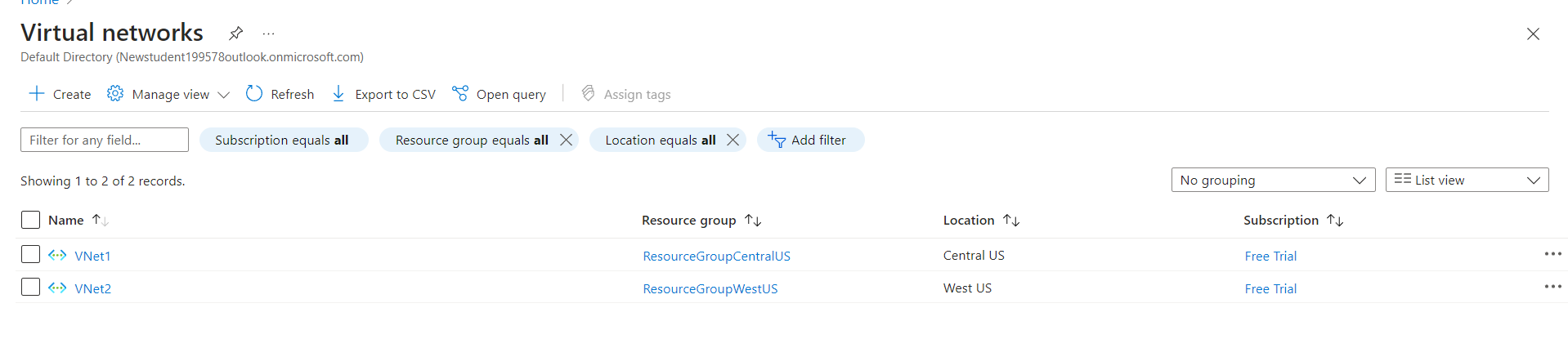
* Create two virtual networks, one for each region:

**az network vnet create --resource-group ResourceGroupCentralUS --name VNet1 --subnet-name Subnet1**

****

**az network vnet create --resource-group ResourceGroupWestUS --name VNet2 --subnet-name Subnet2**

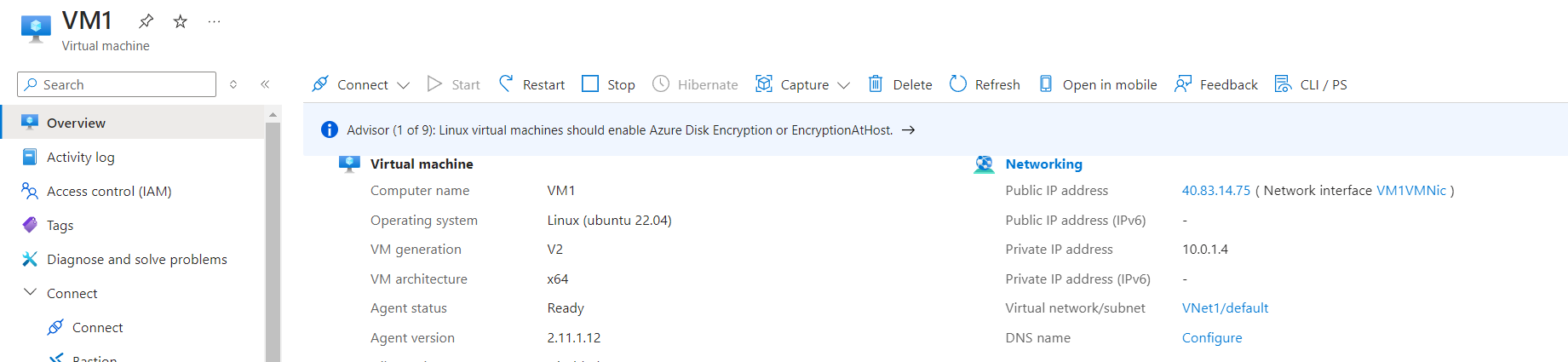
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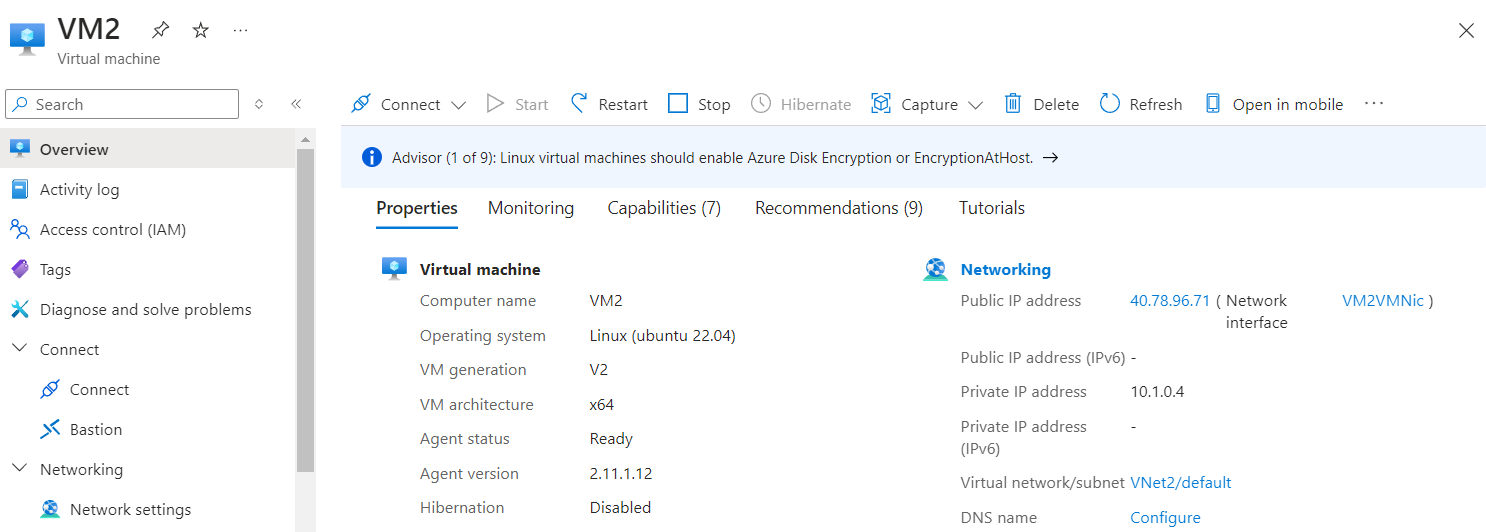
**3. Create Virtual Machines**

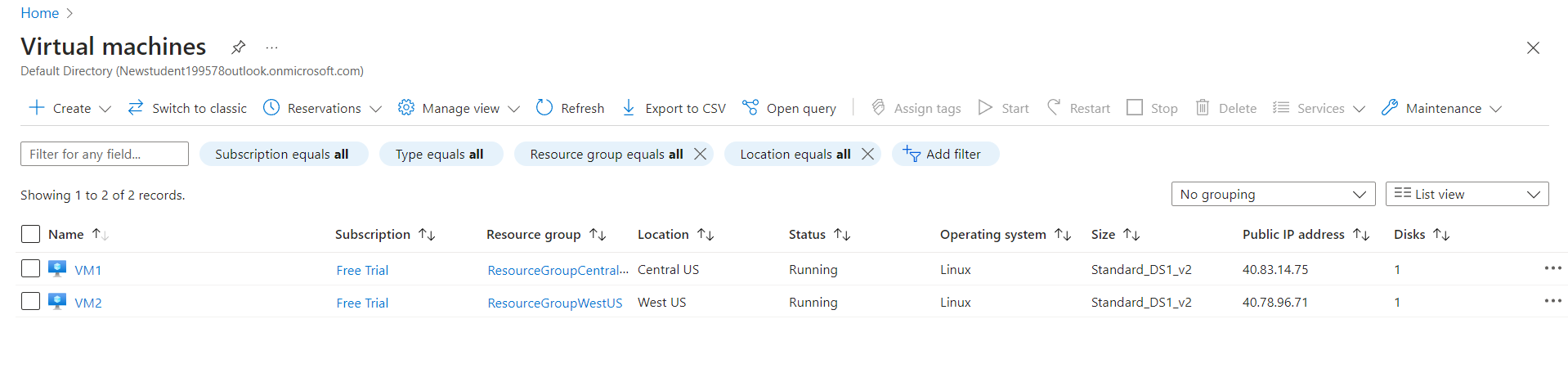
* Deploy VM1 in Central US and VM2 in West US.

**az vm create --resource-group ResourceGroupCentralUS --name VM1 --image Ubuntu2204 --vnet-name VNet1 --subnet Subnet1 --admin-username azureuser --generate-ssh-keys**

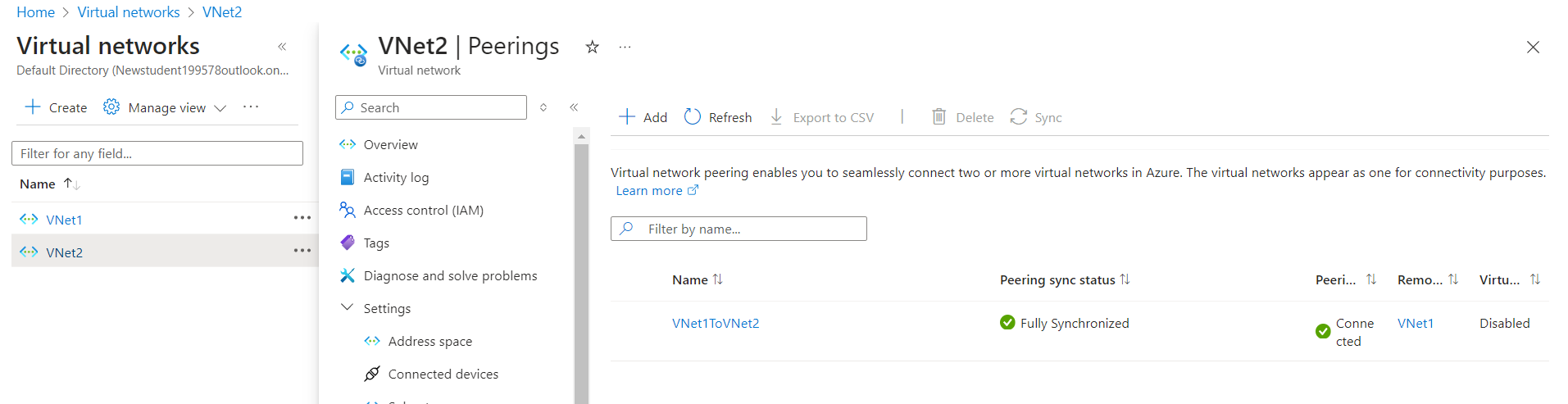
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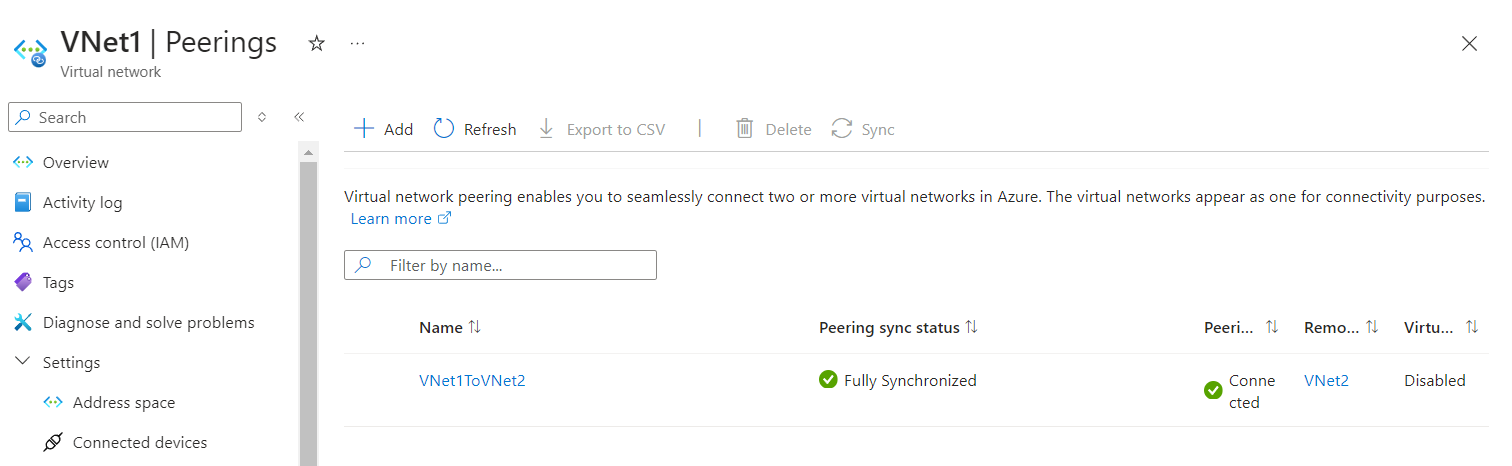
**az vm create --resource-group ResourceGroupWestUS --name VM2 --image Ubuntu2204 --vnet-name VNet2 --subnet Subnet2 --admin-username azureuser --generate-ssh-keys**

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**4. Create V-net Peering**

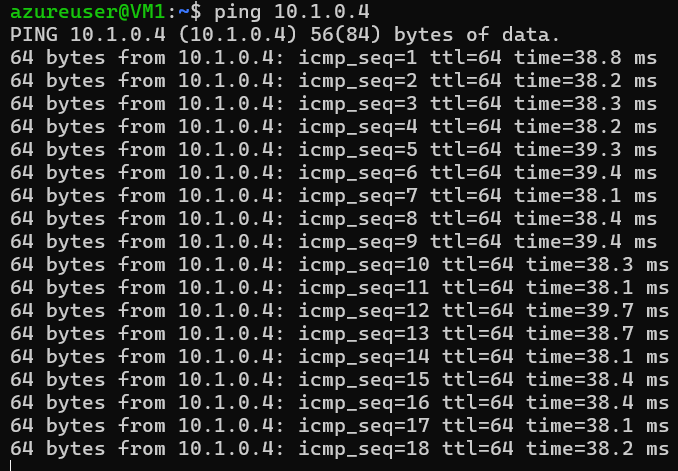
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**5. Test VM Connectivity:**

* 1. Connect to **VM1**
  2. Ping the private IP address of **VM2**

Ping 10.1.0.4



* 1. Connect to **VM2**
  2. Ping the private IP address of **VM1**

Ping 10.0.1.4

