***Here are more Azure CLI commands to list various types of resources and configurations within your subscription or specific resource groups:***

**1. List Virtual Machines**

Example:-

* List all VMs across the subscription:

az vm list --output table

* Filter the VM list by a specific resource group (e.g., prod-resources):

az vm list --resource-group azurecli --output table

* list of ip address

az vm list-ip-addresses -g MyInfra-RG --output table

**2. List Virtual Networks**

* To list all virtual networks in a subscription:

bash

az network vnet list --output table

* To list virtual networks in a specific resource group:

bash

az network vnet list --resource-group <resource-group-name> --output table

Example:-

* For each virtual network, list its subnets:

az network vnet subnet list -g firewall-RG --vnet-name Hub-network --output table

**3. List Subnets within a Virtual Network**

* To list all subnets within a specific virtual network:

bash

az network vnet subnet list --resource-group <resource-group-name> --vnet-name <vnet-name> --output table

**4. List Public IP Addresses**

* To list all public IP addresses in a subscription:

bash

az network public-ip list --output table

* To list public IP addresses in a specific resource group:

bash

az network public-ip list --resource-group <resource-group-name> --output table

**5. List Network Security Groups (NSGs)**

* To list all NSGs in a subscription:

bash

az network nsg list --output table

* To list NSGs in a specific resource group:

bash

az network nsg list --resource-group <resource-group-name> --output table

**6. List Storage Accounts**

* To list all storage accounts in a subscription:

bash

az storage account list --output table

* To list storage accounts in a specific resource group:

bash

az storage account list --resource-group <resource-group-name> --output table

**7. List SQL Databases**

* To list all SQL databases in a subscription:

bash

az sql db list --output table

* To list SQL databases in a specific SQL server:

bash

az sql db list --resource-group <resource-group-name> --server <server-name> --output table

**8. List Load Balancers**

* To list all load balancers in a subscription:

bash

az network lb list --output table

* To list load balancers in a specific resource group:

bash

az network lb list --resource-group <resource-group-name> --output table

**9. List Application Gateways**

* To list all application gateways in a subscription:

bash

az network application-gateway list --output table

* To list application gateways in a specific resource group:

bash

az network application-gateway list --resource-group <resource-group-name> --output table

**10. List Disk Resources**

* To list all managed disks in a subscription:

bash

az disk list --output table

* To list managed disks in a specific resource group:

bash

az disk list --resource-group <resource-group-name> --output table

These commands give a quick overview of different resources, helping you manage and understand your Azure environment more efficiently. Let me know if you need more specific commands or details for a particular type of resource!

***To list all available resource groups in your Azure subscription, use:***

bash

az group list --output table

This command will display all resource groups in your subscription, showing information like the name, location, and provisioning state of each resource group.

If you want to list all resources across the entire subscription (not just in one resource group), you can use:

bash

az resource list --output table

***Create command with example:-***

**Step 1: Create a Resource Group**

bash

az group create --name azurecli --location AustraliaEast

**Step 2: Create a Virtual Network (VNet)**

bash

az network vnet create --name azureVnet --resource-group azurecli –location AustraliaEast --address-prefix 11.0.0.0/20

**Step 3: Create a Subnet**

bash

az network vnet subnet create --name azureSubnet --resource-group azurecli --vnet-name azureVnet --address-prefix 11.0.1.0/24

**Step 4: Create a Public IP Address**

bash

az network public-ip create --name azurePublicip --resource-group azurecli --location AustraliaEast

**Step 5: Create a Network Security Group (NSG)**

bash

az network nsg create --name azureNSG --resource-group azurecli --location AustraliaEast

**Step 6: Create a Network Interface and Attach Components**

The network interface (NIC) is where you'll connect your VNet, subnet, NSG, and public IP (if required):

bash

az network nic create --resource-group azurecl --name azureNIC --vnet-name azureVnet --subnet azureSubnet --network-security-group azureNSG --public-ip-address azurePublicip

**Step 7: Create the VM with the Existing Network Components**

Now, specify the NIC you created when creating the VM:

bash

az vm create --resource-group azurecli --name azureVm –nics azureNIC --image Ubuntu2204 --admin-username sysadmin --generate-ssh-keys