Azure advance

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$ ssh-keygen -y -f demo-rg.pem > demo-rg.pub

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$ cat demo-rg.pub

ssh-rsa 

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$ cp D:\TF-AWS\part\_^C

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$ cp ~/Downloads/demo-rg.pub /d/TF-AWS/part\_1/demo-rg.pub

user121@DESKTOP-JFJ21I5 MINGW64 ~/Downloads

$

First create an ssh key into azure and then downsload and copy the file to terraform directoruy and then 4

provider "azurerm" {

  features {}

  # Subscription ID (provided by you)

  subscription\_id = "6449dbeb-a056-4321-a82e-ce6acd3048ab"

}

# Define the resource group (demo-rg2)

resource "azurerm\_resource\_group" "example" {

  name     = "demo-rg2"

  location = "West US"  # Updated region where Ubuntu 22.04 Minimal LTS is available

}

# Define the virtual network for the VM

resource "azurerm\_virtual\_network" "example" {

  name                = "example-vnet"

  location            = azurerm\_resource\_group.example.location

  resource\_group\_name = azurerm\_resource\_group.example.name

  address\_space       = ["10.0.0.0/16"]

}

# Define the subnet within the virtual network

resource "azurerm\_subnet" "example" {

  name                 = "example-subnet"

  resource\_group\_name  = azurerm\_resource\_group.example.name

  virtual\_network\_name = azurerm\_virtual\_network.example.name

  address\_prefixes     = ["10.0.1.0/24"]

}

# Define a public IP for the VM

resource "azurerm\_public\_ip" "example" {

  name                = "example-public-ip"

  location            = azurerm\_resource\_group.example.location

  resource\_group\_name = azurerm\_resource\_group.example.name

  allocation\_method   = "Static"  # Static IP allocation for VM

  sku                  = "Standard"

}

# Define a network interface (NIC) for the VM

resource "azurerm\_network\_interface" "example" {

  name                = "example-nic"

  location            = azurerm\_resource\_group.example.location

  resource\_group\_name = azurerm\_resource\_group.example.name

  ip\_configuration {

    name                          = "internal"

    subnet\_id                     = azurerm\_subnet.example.id

    private\_ip\_address\_allocation = "Dynamic"

    public\_ip\_address\_id          = azurerm\_public\_ip.example.id

  }

}

# Define the Virtual Machine (VM)

resource "azurerm\_linux\_virtual\_machine" "example" {

  name                            = "example-vm"

  resource\_group\_name             = azurerm\_resource\_group.example.name

  location                        = azurerm\_resource\_group.example.location

  size                            = "Standard\_B1s"  # Adjust the VM size as needed

  admin\_username                  = "adminuser"

  disable\_password\_authentication = true  # Disable password authentication (only SSH key will work)

  # Specify the SSH public key for authentication

  admin\_ssh\_key {

    username   = "adminuser"

    public\_key = file("demo-rg.pub")  # Path to your public SSH key file (now in the same directory as main.tf)

  }

  network\_interface\_ids           = [azurerm\_network\_interface.example.id]  # Ensure the NIC is referenced here

  availability\_set\_id             = null

  # Specify the OS image (Ubuntu 22.04 Minimal LTS)

  os\_disk {

    name                    = "example-os-disk"

    caching                 = "ReadWrite"

    storage\_account\_type    = "Standard\_LRS"

  }

  # Corrected Image Reference for Ubuntu 22.04 Minimal LTS

  source\_image\_reference {

    publisher = "Canonical"

    offer     = "UbuntuMinimal"  # Use Ubuntu Minimal offer

    sku       = "22.04-LTS"      # Ubuntu 22.04 LTS

    version   = "latest"         # Use the latest available version of Ubuntu 22.04 Minimal LTS

  }

}

output "public\_ip" {

  value = azurerm\_public\_ip.example.ip\_address

}

Crate a VM using terraform

user121@DESKTOP-JFJ21I5 MINGW64 /d/TF-AWS/part\_1

$ gcloud auth login

Your browser has been opened to visit:

$ az login

Select the account you want to log in with. For more information on login with Azure CLI, see https://go.microsoft.com/fwlink/?linkid=2271136

Retrieving tenants and subscripti