Terraform Configuration file for Windows VM

terraform {

  required\_providers {

    azurerm = {

      source = "hashicorp/azurerm"

      version = "3.90.0"

    }

  }

}

provider "azurerm" {

    subscription\_id = "69058312-04c0-48e3-b420-92b39991c676"

    client\_id       = "feb487ba-b1f0-4031-a9a4-081aab9f9c19"

    client\_secret   =

"Vvp8Q~STJWkkBvIehOf~3ji7Q07qr22tJPtR.bsf"

    tenant\_id       = "290d1691-f0d9-4ad9-932a-fdbeb0493b55"

    features {}

}

# define locals

locals {

  resource\_group="vm-resource"

  location="Central US"

}

# create resource group

resource "azurerm\_resource\_group" "vm\_resource" {

  name     = local.resource\_group

  location = local.location

}

# create virtual network

resource "azurerm\_virtual\_network" "vm\_vnet" {

  name                = "vm-vnet"

  location            = local.location

  resource\_group\_name = local.resource\_group

  address\_space       = ["10.0.0.0/16"]

  depends\_on = [ azurerm\_resource\_group.vm\_resource

   ]

}

# create subnet

resource "azurerm\_subnet" "subnetA" {

  name                 = "subnetA"

  resource\_group\_name  = local.resource\_group

  virtual\_network\_name = azurerm\_virtual\_network.vm\_vnet.name

  address\_prefixes     = ["10.0.1.0/24"]

  depends\_on = [

    azurerm\_virtual\_network.vm\_vnet

   ]

}

# create network interface card

resource "azurerm\_network\_interface" "vm\_nic" {

  name                = "vmnic"

  location            = local.location

  resource\_group\_name = local.resource\_group

ip\_configuration {

    name                          = "internal"

    subnet\_id                     = azurerm\_subnet.subnetA.id

    private\_ip\_address\_allocation = "Dynamic"

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

  }

  depends\_on = [

                azurerm\_virtual\_network.vm\_vnet,

                azurerm\_public\_ip.terraform\_public,

                azurerm\_subnet.subnetA

  ]

}

# create windows virtual machine

resource "azurerm\_windows\_virtual\_machine" "auto\_vm" {

  name                = "auto-vm"

  resource\_group\_name = local.resource\_group

  location            = local.location

  size                = "Standard\_D2s\_v3"

  admin\_username      = "aita"

  admin\_password      = "Azure@123456"

  availability\_set\_id = azurerm\_availability\_set.vm\_set.id

  network\_interface\_ids = [

    azurerm\_network\_interface.vm\_nic.id

  ]

  os\_disk {

    caching              = "ReadWrite"

    storage\_account\_type = "Standard\_LRS"

  }

  source\_image\_reference {

    publisher = "MicrosoftWindowsServer"

    offer     = "WindowsServer"

    sku       = "2019-Datacenter"

    version   = "latest"

  }

  depends\_on = [

     azurerm\_network\_interface.vm\_nic,

     azurerm\_availability\_set.vm\_set

]

}

# create public ip

resource "azurerm\_public\_ip" "terraform\_public" {

  name                = "terraform-public"

  resource\_group\_name = local.resource\_group

  location            = local.location

  allocation\_method   = "Static"

}